



Maryland Transportation Authority

CAPITAL COMMITTEE MEETING

THURSDAY, FEBRUARY 1, 2024

2310 BROENING HIGHWAY
BALTIMORE, MARYLAND 21224

CAPITAL COMMITTEE MONTHLY MEETING
February 1, 2024 – 9:00 AM

This meeting will be livestreamed on the [MDTA Capital Committee Page](#)

NOTE: This is an Open Meeting being conducted via livestreaming. The public is welcomed to watch the meeting at the link listed above. *If you wish to comment on an agenda item please email your name, affiliation, and the agenda item to agibson@mdta.state.md.us no later than 3:00 p.m. on Monday, January 29, 2024. You MUST pre-register in order to comment.* Once you have pre-registered you will receive an email with all pertinent information.

AGENDA

OPEN SESSION – 9:00 a.m.

Call Meeting to Order

- | | | |
|--------------------------------------------------------------------------------|----------------|--------|
| 1. <u>Approval</u> - Open Session Meeting Minutes of January 4, 2024 | Chairman | 5 mins |
| 2. <u>Approval</u> - MR-3030 Environmental On-Call Phase IV | Tigstu Belay | 5 mins |
| 3. <u>Approval</u> - MA-3018R Drainage Outfall Rehabilitation | Peter Mattejat | 5 mins |
| 4. <u>Approval</u> - MR-3020 On-Call Facility/Building Repairs | Min Zheng | 5 mins |
| 5. <u>Approval</u> - HT-3018 – I-895 Resurfacing North and South of BHT | Tony Zhang | 5 mins |

Vote to Adjourn Meeting

**MARYLAND TRANSPORTATION AUTHORITY
CAPITAL COMMITTEE MEETING
THURSDAY, JANUARY 4, 2024
OPEN MEETING VIA LIVESTREAMING**

OPEN SESSION

MEMBERS ATTENDING: Mario J. Gangemi – Chairman
Samuel D. Snead
William H. Cox, Jr
W. Lee Gaines

STAFF ATTENDING: Percy Dangerfield
Mary O’Keeffe
James Harkness
Donna DiCerbo
Nafiz Alqasem
Jullian Johns
Richard Jaramillo
Kimberly Millender
Tekeste Amare
Selena McKissick
Natalie Henson
Araya Gibson
Ganine Steffe
Sarah Clifford
Timothy Sheets

Member Gangemi called the meeting of the Maryland Transportation Authority (MDTA) Capital Committee to order at 9:00 a.m. The meeting was held via video conference and livestreamed on the MDTA Board Meeting web page.

APPROVAL – OPEN SESSION MEETING MINUTES OF NOVEMBER 2, 2023

Upon motion by Member Cox and seconded by Member Gaines, the Open Session meeting minutes of the Capital Committee’s meeting held on November 2, 2023, were unanimously approved.

UPDATE – STEEL BRIDGE COATINGS OVERVIEW

Mr. Alqasem presented a presentation on Steel Bridge coatings overview. He discussed the topics of evaluation and design phases; containment and equipment; surface preparation and coating application.

There being no further business, the meeting of the MDTA Capital Committee was adjourned by consensus at 9:43 a.m. following a motion by Member Gaines and seconded by Member Snead.

The next meeting of the MDTA Capital Committee is scheduled for Thursday, February 1, 2024, at 9:00 a.m., this meeting will be virtual conducted via livestream.

APPROVED AND CONCURRED IN:

Mario J. Gangemi, Chairman



Maryland
Transportation
Authority

CAPITAL COMMITTEE PROJECT SUMMARY

MR-3030-0000 - Environmental On-Call Phase IV

PIN NUMBER 2551
CONTRACT NUMBER MR-3030-0000
CONTRACT TITLE Environmental On-Call Phase IV

PROJECT SUMMARY The scope of work includes miscellaneous repairs, upgrades, replacements, rehabilitation, and new construction on stormwater and landscaping/ natural resources mitigation assets, including storm drain systems, stormwater management Best Management Practices (BMPs), slopes, and tree & vegetation.

SCHEDULE

ADVERTISEMENT DATE 8/29/2023
ANTICIPATED NOTICE TO PROCEED DATE Apr-24
DURATION (CALENDER DAYS) 1,095

MBE PARTICIPATION

	(\$) Advertised GOAL (%)	Proposed GOAL (%)
OVERALL MBE	11.00%	11.00%
AFRICAN AMERICAN	0.00%	0.00%
ASIAN AMERICAN	0.00%	0.00%
HISPANIC AMERICAN	0.00%	0.00%
WOMEN	0.00%	0.00%
VSBE	1.00%	1.00%

ENGINEER'S ESTIMATE (EE) \$6,062,800.00

BID RESULTS

	BID AMOUNT (\$)	% VARIANCE TO EE
Brawner Builders, Inc.	\$4,397,736.00	-27%
Concrete General, Inc.	\$6,187,990.00	2%
M.D. Miller Co., Inc. T/A The Marksmen	\$6,385,650.00	5%
Reliable Contracting Company, Inc.	\$7,876,510.00	29%

BID PROTEST YES NO

FUNDING SOURCE 100% TOLL REVENUE



MEMORANDUM

TO: DIRECTOR OF ENGINEERING, SUSHMITA MITRA, P.E., PTOE, PMP
FROM: ENVIRONMENTAL MANAGER, PETER MATTEJAT, P.E.
SUBJECT: CONTRACT NO. MR-3030-0000
 ENVIRONMENTAL ON-CALL PHASE IV
 BID DETERMINATION
DATE: January 3, 2024
RESPONSE
REQUESTED BY: N/A

On October 20, 2023, four (4) bids were opened for the subject Contract. The bid amounts were:

- Brawner Builders, Inc.: \$4,397,736.00
- Concrete General, Inc.: \$6,187,990.00
- M.D. Miller Co., Inc. T/A The Marksmen Company: \$6,385,650.00
- Reliable Contracting Company, Inc.: \$7,876,510.00

The Engineer’s Estimate (EE) for this project was \$6,062,800.00. The apparent low bidder’s (Brawner Builders, Inc.) bid is \$1,665,064.00 (27.5%) lower when compared to the EE.

An evaluation of the bids was performed by the Project Manager. In addition, Maryland Transportation Authority (MDTA) sent a letter to Brawner Builders, Inc. (BBI), on November 18, 2023, requesting explanation and confirmation of their understanding of certain items. The final determination is based on the response letter sent by BBI.

The analysis found that several items, including *Item 1001 – Engineer’s Office (LS)*, *Item 1008 – Temporary Concrete Barrier (TCB) (LF)*, *Item 3002 – Foreman with Pickup Truck (HR)*, and *Item 3007 – Hydraulic Excavator (HR)*, were bid at nominal prices. In addition, *Item 3015 – Bear Creek SWM Pond Enhancement (LS)* received a very low bid price which is 82% below the EE. These items contribute to the difference between the BBI’s bid amount and the EE. Two of the above-mentioned items are paid in Lump Sum.


The bid price for *Item 3001 – Skilled Labor – Drainage and Stormwater Work (HR)* is higher than the unit price in the EE by 113%. However, the second and third lowest bidders’ prices for this item were checked for comparison, and they were found to be higher than the unit price in the EE and within a comparable range of BBI’s price.

BBI have stated that they have full understanding of the expectations of the work under each of them and take the risk of cost overrun. BBI have also stated that they understand the requirements needed to perform work for each of the remaining pay items bid at nominal prices. In order to leverage the benefit of nominal bid prices, we will use existing pay items to the fullest extent when developing task orders. Engineering and Construction will closely work and monitor the delivery of these task orders to ensure construction is completed within a reasonable range of the agreed upon price and duration.

Brawner Builders, Inc. have satisfactorily performed work for the MDTA. They are currently under contract with the MDTA on the On-Call Drainage and Stormwater Remediation contract (MR-3017-0000), the predecessor to MR-3030-0000.

RECOMMENDATION:

Based on our review, I recommend accepting Brawner Builders, Inc.'s low bid of \$4,397,736.00.

<u>Approved:</u>		<u>1/5/2024</u>
	Sushmita Mitra, P.E., PTOE, PMP Director of Engineering	Date

ATTACHMENTS: Bid Tabulations and comparisons

Maryland Transportation Authority

Contract Name:

Contract Number:

Bid Date:

Environmental On-Call Phase IV

MR-3030-0000

10/20/2023

Bid Tabulation

ITEM NO.	CAT CODE	DESCRIPTION	Engineer's Estimate			BRAWNER BUILDERS INC			+/- % of Est.
			UNITS	QUANTITY	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	
1001	110360	TYPE D ENGINEERS OFFICE	LS	1	\$ 100,000.00	\$ 100,000.00	\$ 1.00	\$ 1.00	-100.00
1002	120747	FLAGGER	HR	100	\$ 65.00	\$ 6,500.00	\$ 55.00	\$ 5,500.00	-15.38
1003	100000	SINGLE LANE CLOSURE	UD	50	\$ 2,000.00	\$ 100,000.00	\$ 1,200.00	\$ 60,000.00	-40.00
1004	100000	SHOULDER CLOSURE	UD	200	\$ 1,500.00	\$ 300,000.00	\$ 1,200.00	\$ 240,000.00	-20.00
1005	100000	PARTIAL RAMP CLOSURE	UD	50	\$ 1,750.00	\$ 87,500.00	\$ 500.00	\$ 25,000.00	-71.43
1006	100000	ENTRANCE RAMP TREATMENT	UD	50	\$ 400.00	\$ 20,000.00	\$ 50.00	\$ 2,500.00	-87.50
1007	100000	EXIT RAMP TREATMENT	UD	20	\$ 400.00	\$ 8,000.00	\$ 50.00	\$ 1,000.00	-87.50
1008	100000	TEMPORARY CONCRETE BARRIER (TCB) FOR MAINTENANCE OF TRAFFIC	LF	2000	\$ 100.00	\$ 200,000.00	\$ 1.00	\$ 2,000.00	-99.00
1009	100000	TEMPORARY CRASH CUSHION SAND FILLED PLASTIC BARRELS (SFPB)	EA	190	\$ 400.00	\$ 76,000.00	\$ 1.00	\$ 190.00	-99.75
1010	100000	RAILROAD EXPENSE ALLOWANCE	AL	1	\$ 25,000.00	\$ 25,000.00	\$ 25,000.00	\$ 25,000.00	0.00
3001	300000	SKILLED LABOR - DRAINAGE AND STORMWATER WORK	HR	10000	\$ 75.00	\$ 750,000.00	\$ 160.00	\$ 1,600,000.00	113.33
3002	300000	FOREMAN WITH PICK UP TRUCK - DRAINAGE AND STORMWATER WORK	HR	3300	\$ 87.00	\$ 287,100.00	\$ 1.00	\$ 3,300.00	-98.85
3003	300000	TRACK DOZER, 100-130 HP, MAX. GVW OF 22,000 LBS. - DRAINAGE AND STORMWATER WORK	HR	200	\$ 105.00	\$ 21,000.00	\$ 1.00	\$ 200.00	-99.05
3004	300000	SINGLE AXLE DUMP TRUCK WITH OPERATOR, 9 CY - DRAINAGE AND STORMWATER WORK	UD	200	\$ 700.00	\$ 140,000.00	\$ 1.00	\$ 200.00	-99.86
3005	300000	DOUBLE AXLE DUMP TRUCK WITH OPERATOR, 10-14 CY - DRAINAGE AND STORMWATER WORK	UD	200	\$ 800.00	\$ 160,000.00	\$ 1.00	\$ 200.00	-99.88
3006	300000	TRIPLE AXLE DUMP TRUCK WITH OPERATOR, 15-19 CY - DRAINAGE AND STORMWATER WORK	UD	200	\$ 900.00	\$ 180,000.00	\$ 1.00	\$ 200.00	-99.89
3007	300000	HYDRAULIC EXCAVATOR, 1.5-3.5 CY. - DRAINAGE AND STORMWATER WORK	HR	2000	\$ 110.00	\$ 220,000.00	\$ 1.00	\$ 2,000.00	-99.09
3008	300000	HYDRAULIC EXCAVATOR, UNDER 1.5 CY. - DRAINAGE AND STORMWATER WORK	HR	1500	\$ 100.00	\$ 150,000.00	\$ 1.00	\$ 1,500.00	-99.00
3009	300000	TRACK LOADER, 1-2.5 CY., MIN. 140 HP - DRAINAGE AND STORMWATER WORK	HR	500	\$ 90.00	\$ 45,000.00	\$ 1.00	\$ 500.00	-98.89
3010	300000	SKID STEER LOADER, 45-75 HP. WITH ATTACHMENTS - DRAINAGE AND STORMWATER WORK	HR	1500	\$ 80.00	\$ 120,000.00	\$ 1.00	\$ 1,500.00	-98.75
3011	300000	FLAT BED TRUCK - DRAINAGE AND STORMWATER WORK	UD	500	\$ 175.00	\$ 87,500.00	\$ 100.00	\$ 50,000.00	-42.86
3012	300000	MATERIALS FOR CONSTRUCTION	AL	1	\$ 625,000.00	\$ 625,000.00	\$ 625,000.00	\$ 625,000.00	0.00
3013	300000	SPECIALIZED EQUIPMENT FOR CONSTRUCTION	AL	1	\$ 140,000.00	\$ 140,000.00	\$ 140,000.00	\$ 140,000.00	0.00
3014	300000	SPECIALIZED SUBCONTRACTOR FOR CONSTRUCTION	AL	1	\$ 465,000.00	\$ 465,000.00	\$ 465,000.00	\$ 465,000.00	0.00
3015	300000	KB0455S01U - BEAR CREEK SWM POND ENHANCEMENT	LS	1	\$ 650,000.00	\$ 650,000.00	\$ 114,945.00	\$ 114,945.00	-82.32
7001	700000	LANDSCAPE OPERATIONS CREW FOR LANDSCAPE MANAGEMENT	HR	3120	\$ 257.00	\$ 801,840.00	\$ 250.00	\$ 780,000.00	-2.72
7002	700000	LANDSCAPE OPERATIONS CREW FOR TREE OPERATIONS	HR	1008	\$ 295.00	\$ 297,360.00	\$ 250.00	\$ 252,000.00	-15.25
TOTAL						\$6,062,800.00		\$ 4,397,736.00	-27.46

Maryland Transportation Authority

Contract Name:

Environmental On-Call Phase IV

Contract Number:

MR-3030-0000

Bid Date:

10/20/2023

Bid Tabulation

ITEM NO.	CAT CODE	DESCRIPTION	Engineer's Estimate			CONCRETE GENERAL, INC.			+/- % of Est.
			UNITS	QUANTITY	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	
1001	110360	TYPE D ENGINEERS OFFICE	LS	1	\$ 100,000.00	\$ 100,000.00	\$ 296,000.00	\$ 296,000.00	196.00
1002	120747	FLAGGER	HR	100	\$ 65.00	\$ 6,500.00	\$ 93.00	\$ 9,300.00	43.08
1003	100000	SINGLE LANE CLOSURE	UD	50	\$ 2,000.00	\$ 100,000.00	\$ 100.00	\$ 5,000.00	-95.00
1004	100000	SHOULDER CLOSURE	UD	200	\$ 1,500.00	\$ 300,000.00	\$ 200.00	\$ 40,000.00	-86.67
1005	100000	PARTIAL RAMP CLOSURE	UD	50	\$ 1,750.00	\$ 87,500.00	\$ 50.00	\$ 2,500.00	-97.14
1006	100000	ENTRANCE RAMP TREATMENT	UD	50	\$ 400.00	\$ 20,000.00	\$ 50.00	\$ 2,500.00	-87.50
1007	100000	EXIT RAMP TREATMENT	UD	20	\$ 400.00	\$ 8,000.00	\$ 75.00	\$ 1,500.00	-81.25
1008	100000	TEMPORARY CONCRETE BARRIER (TCB) FOR MAINTENANCE OF TRAFFIC	LF	2000	\$ 100.00	\$ 200,000.00	\$ 65.00	\$ 130,000.00	-35.00
1009	100000	TEMPORARY CRASH CUSHION SAND FILLED PLASTIC BARRELS (SFPB)	EA	190	\$ 400.00	\$ 76,000.00	\$ 1.00	\$ 190.00	-99.75
1010	100000	RAILROAD EXPENSE ALLOWANCE	AL	1	\$ 25,000.00	\$ 25,000.00	\$ 25,000.00	\$ 25,000.00	0.00
3001	300000	SKILLED LABOR - DRAINAGE AND STORMWATER WORK	HR	10000	\$ 75.00	\$ 750,000.00	\$ 102.00	\$ 1,020,000.00	36.00
3002	300000	FOREMAN WITH PICK UP TRUCK - DRAINAGE AND STORMWATER WORK	HR	3300	\$ 87.00	\$ 287,100.00	\$ 186.00	\$ 613,800.00	113.79
3003	300000	TRACK DOZER, 100-130 HP, MAX. GVW OF 22,000 LBS. - DRAINAGE AND STORMWATER WORK	HR	200	\$ 105.00	\$ 21,000.00	\$ 50.00	\$ 10,000.00	-52.38
3004	300000	SINGLE AXLE DUMP TRUCK WITH OPERATOR, 9 CY - DRAINAGE AND STORMWATER WORK	UD	200	\$ 700.00	\$ 140,000.00	\$ 600.00	\$ 120,000.00	-14.29
3005	300000	DOUBLE AXLE DUMP TRUCK WITH OPERATOR, 10-14 CY - DRAINAGE AND STORMWATER WORK	UD	200	\$ 800.00	\$ 160,000.00	\$ 400.00	\$ 80,000.00	-50.00
3006	300000	TRIPLE AXLE DUMP TRUCK WITH OPERATOR, 15-19 CY - DRAINAGE AND STORMWATER WORK	UD	200	\$ 900.00	\$ 180,000.00	\$ 990.00	\$ 198,000.00	10.00
3007	300000	HYDRAULIC EXCAVATOR, 1.5-3.5 CY. - DRAINAGE AND STORMWATER WORK	HR	2000	\$ 110.00	\$ 220,000.00	\$ 70.00	\$ 140,000.00	-36.36
3008	300000	HYDRAULIC EXCAVATOR, UNDER 1.5 CY. - DRAINAGE AND STORMWATER WORK	HR	1500	\$ 100.00	\$ 150,000.00	\$ 60.00	\$ 90,000.00	-40.00
3009	300000	TRACK LOADER, 1-2.5 CY., MIN. 140 HP - DRAINAGE AND STORMWATER WORK	HR	500	\$ 90.00	\$ 45,000.00	\$ 50.00	\$ 25,000.00	-44.44
3010	300000	SKID STEER LOADER, 45-75 HP. WITH ATTACHMENTS - DRAINAGE AND STORMWATER WORK	HR	1500	\$ 80.00	\$ 120,000.00	\$ 28.00	\$ 42,000.00	-65.00
3011	300000	FLAT BED TRUCK - DRAINAGE AND STORMWATER WORK	UD	500	\$ 175.00	\$ 87,500.00	\$ 100.00	\$ 50,000.00	-42.86
3012	300000	MATERIALS FOR CONSTRUCTION	AL	1	\$ 625,000.00	\$ 625,000.00	\$ 625,000.00	\$ 625,000.00	0.00
3013	300000	SPECIALIZED EQUIPMENT FOR CONSTRUCTION	AL	1	\$ 140,000.00	\$ 140,000.00	\$ 140,000.00	\$ 140,000.00	0.00
3014	300000	SPECIALIZED SUBCONTRACTOR FOR CONSTRUCTION	AL	1	\$ 465,000.00	\$ 465,000.00	\$ 465,000.00	\$ 465,000.00	0.00
3015	300000	KB0455S01U - BEAR CREEK SWM POND ENHANCEMENT	LS	1	\$ 650,000.00	\$ 650,000.00	\$ 484,000.00	\$ 484,000.00	-25.54
7001	700000	LANDSCAPE OPERATIONS CREW FOR LANDSCAPE MANAGEMENT	HR	3120	\$ 257.00	\$ 801,840.00	\$ 375.00	\$ 1,170,000.00	45.91
7002	700000	LANDSCAPE OPERATIONS CREW FOR TREE OPERATIONS	HR	1008	\$ 295.00	\$ 297,360.00	\$ 400.00	\$ 403,200.00	35.59
TOTAL						\$6,062,800.00	\$ 6,187,990.00	\$ 6,187,990.00	2.06

Maryland Transportation Authority
 Contract Name:
 Contract Number:
 Bid Date:

Environmental On-Call Phase IV
 MR-3030-0000
 10/20/2023

Bid Tabulation

Engineer's Estimate

M. D. MILLER CO., INC. T/A THE MARKSMEN COMPANY

ITEM NO.	CAT CODE	DESCRIPTION	UNITS	QUANTITY	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	
1001	110360	TYPE D ENGINEERS OFFICE	LS	1	\$ 100,000.00	\$ 100,000.00	\$ 180,000.00	\$ 180,000.00	80.00
1002	120747	FLAGGER	HR	100	\$ 65.00	\$ 6,500.00	\$ 100.00	\$ 10,000.00	53.85
1003	100000	SINGLE LANE CLOSURE	UD	50	\$ 2,000.00	\$ 100,000.00	\$ 2,000.00	\$ 100,000.00	0.00
1004	100000	SHOULDER CLOSURE	UD	200	\$ 1,500.00	\$ 300,000.00	\$ 1,500.00	\$ 300,000.00	0.00
1005	100000	PARTIAL RAMP CLOSURE	UD	50	\$ 1,750.00	\$ 87,500.00	\$ 2,000.00	\$ 100,000.00	14.29
1006	100000	ENTRANCE RAMP TREATMENT	UD	50	\$ 400.00	\$ 20,000.00	\$ 1.00	\$ 50.00	-99.75
1007	100000	EXIT RAMP TREATMENT	UD	20	\$ 400.00	\$ 8,000.00	\$ 1.00	\$ 20.00	-99.75
1008	100000	TEMPORARY CONCRETE BARRIER (TCB) FOR MAINTENANCE OF TRAFFIC	LF	2000	\$ 100.00	\$ 200,000.00	\$ 1.00	\$ 2,000.00	-99.00
1009	100000	TEMPORARY CRASH CUSHION SAND FILLED PLASTIC BARRELS (SFPB)	EA	190	\$ 400.00	\$ 76,000.00	\$ 300.00	\$ 57,000.00	-25.00
1010	100000	RAILROAD EXPENSE ALLOWANCE	AL	1	\$ 25,000.00	\$ 25,000.00	\$ 25,000.00	\$ 25,000.00	0.00
3001	300000	SKILLED LABOR - DRAINAGE AND STORMWATER WORK	HR	10000	\$ 75.00	\$ 750,000.00	\$ 115.00	\$ 1,150,000.00	53.33
3002	300000	FOREMAN WITH PICK UP TRUCK - DRAINAGE AND STORMWATER WORK	HR	3300	\$ 87.00	\$ 287,100.00	\$ 50.00	\$ 165,000.00	-42.53
3003	300000	TRACK DOZER, 100-130 HP, MAX. GVW OF 22,000 LBS. - DRAINAGE AND STORMWATER WORK	HR	200	\$ 105.00	\$ 21,000.00	\$ 50.00	\$ 10,000.00	-52.38
3004	300000	SINGLE AXLE DUMP TRUCK WITH OPERATOR, 9 CY - DRAINAGE AND STORMWATER WORK	UD	200	\$ 700.00	\$ 140,000.00	\$ 500.00	\$ 100,000.00	-28.57
3005	300000	DOUBLE AXLE DUMP TRUCK WITH OPERATOR, 10-14 CY - DRAINAGE AND STORMWATER WORK	UD	200	\$ 800.00	\$ 160,000.00	\$ 1.00	\$ 200.00	-99.88
3006	300000	TRIPLE AXLE DUMP TRUCK WITH OPERATOR, 15-19 CY - DRAINAGE AND STORMWATER WORK	UD	200	\$ 900.00	\$ 180,000.00	\$ 800.00	\$ 160,000.00	-11.11
3007	300000	HYDRAULIC EXCAVATOR, 1.5-3.5 CY. - DRAINAGE AND STORMWATER WORK	HR	2000	\$ 110.00	\$ 220,000.00	\$ 50.00	\$ 100,000.00	-54.55
3008	300000	HYDRAULIC EXCAVATOR, UNDER 1.5 CY. - DRAINAGE AND STORMWATER WORK	HR	1500	\$ 100.00	\$ 150,000.00	\$ 50.00	\$ 75,000.00	-50.00
3009	300000	TRACK LOADER, 1-2.5 CY., MIN. 140 HP - DRAINAGE AND STORMWATER WORK	HR	500	\$ 90.00	\$ 45,000.00	\$ 50.00	\$ 25,000.00	-44.44
3010	300000	SKID STEER LOADER, 45-75 HP. WITH ATTACHMENTS - DRAINAGE AND STORMWATER WORK	HR	1500	\$ 80.00	\$ 120,000.00	\$ 50.00	\$ 75,000.00	-37.50
3011	300000	FLAT BED TRUCK - DRAINAGE AND STORMWATER WORK	UD	500	\$ 175.00	\$ 87,500.00	\$ 1.00	\$ 500.00	-99.43
3012	300000	MATERIALS FOR CONSTRUCTION	AL	1	\$ 625,000.00	\$ 625,000.00	\$ 625,000.00	\$ 625,000.00	0.00
3013	300000	SPECIALIZED EQUIPMENT FOR CONSTRUCTION	AL	1	\$ 140,000.00	\$ 140,000.00	\$ 140,000.00	\$ 140,000.00	0.00
3014	300000	SPECIALIZED SUBCONTRACTOR FOR CONSTRUCTION	AL	1	\$ 465,000.00	\$ 465,000.00	\$ 465,000.00	\$ 465,000.00	0.00
3015	300000	KB0455S01U - BEAR CREEK SWM POND ENHANCEMENT	LS	1	\$ 650,000.00	\$ 650,000.00	\$ 700,000.00	\$ 700,000.00	7.69
7001	700000	LANDSCAPE OPERATIONS CREW FOR LANDSCAPE MANAGEMENT	HR	3120	\$ 257.00	\$ 801,840.00	\$ 435.00	\$ 1,357,200.00	69.26
7002	700000	LANDSCAPE OPERATIONS CREW FOR TREE OPERATIONS	HR	1008	\$ 295.00	\$ 297,360.00	\$ 460.00	\$ 463,680.00	55.93
TOTAL						\$6,062,800.00		\$ 6,385,650.00	5.33

Maryland Transportation Authority

Contract Name:

Environmental On-Call Phase IV

Contract Number:

MR-3030-0000

Bid Date:

10/20/2023

Bid Tabulation

ITEM NO.	CAT CODE	DESCRIPTION	Engineer's Estimate			RELIABLE CONTRACTING COMPANY INC			
			UNITS	QUANTITY	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	+/- % of Est.
1001	110360	TYPE D ENGINEERS OFFICE	LS	1	\$ 100,000.00	\$ 100,000.00	\$ 996,000.00	\$ 996,000.00	896.00
1002	120747	FLAGGER	HR	100	\$ 65.00	\$ 6,500.00	\$ 54.50	\$ 5,450.00	-16.15
1003	100000	SINGLE LANE CLOSURE	UD	50	\$ 2,000.00	\$ 100,000.00	\$ 5,200.00	\$ 260,000.00	160.00
1004	100000	SHOULDER CLOSURE	UD	200	\$ 1,500.00	\$ 300,000.00	\$ 900.00	\$ 180,000.00	-40.00
1005	100000	PARTIAL RAMP CLOSURE	UD	50	\$ 1,750.00	\$ 87,500.00	\$ 900.00	\$ 45,000.00	-48.57
1006	100000	ENTRANCE RAMP TREATMENT	UD	50	\$ 400.00	\$ 20,000.00	\$ 900.00	\$ 45,000.00	125.00
1007	100000	EXIT RAMP TREATMENT	UD	20	\$ 400.00	\$ 8,000.00	\$ 900.00	\$ 18,000.00	125.00
1008	100000	TEMPORARY CONCRETE BARRIER (TCB) FOR MAINTENANCE OF TRAFFIC	LF	2000	\$ 100.00	\$ 200,000.00	\$ 65.00	\$ 130,000.00	-35.00
1009	100000	TEMPORARY CRASH CUSHION SAND FILLED PLASTIC BARRELS (SFPB)	EA	190	\$ 400.00	\$ 76,000.00	\$ 974.00	\$ 185,060.00	143.50
1010	100000	RAILROAD EXPENSE ALLOWANCE	AL	1	\$ 25,000.00	\$ 25,000.00	\$ 25,000.00	\$ 25,000.00	0.00
3001	300000	SKILLED LABOR - DRAINAGE AND STORMWATER WORK	HR	10000	\$ 75.00	\$ 750,000.00	\$ 59.00	\$ 590,000.00	-21.33
3002	300000	FOREMAN WITH PICK UP TRUCK - DRAINAGE AND STORMWATER WORK	HR	3300	\$ 87.00	\$ 287,100.00	\$ 88.00	\$ 290,400.00	1.15
3003	300000	TRACK DOZER, 100-130 HP, MAX. GVW OF 22,000 LBS. - DRAINAGE AND STORMWATER WORK	HR	200	\$ 105.00	\$ 21,000.00	\$ 63.00	\$ 12,600.00	-40.00
3004	300000	SINGLE AXLE DUMP TRUCK WITH OPERATOR, 9 CY - DRAINAGE AND STORMWATER WORK	UD	200	\$ 700.00	\$ 140,000.00	\$ 1,000.00	\$ 200,000.00	42.86
3005	300000	DOUBLE AXLE DUMP TRUCK WITH OPERATOR, 10-14 CY - DRAINAGE AND STORMWATER WORK	UD	200	\$ 800.00	\$ 160,000.00	\$ 1,000.00	\$ 200,000.00	25.00
3006	300000	TRIPLE AXLE DUMP TRUCK WITH OPERATOR, 15-19 CY - DRAINAGE AND STORMWATER WORK	UD	200	\$ 900.00	\$ 180,000.00	\$ 1,000.00	\$ 200,000.00	11.11
3007	300000	HYDRAULIC EXCAVATOR, 1.5-3.5 CY. - DRAINAGE AND STORMWATER WORK	HR	2000	\$ 110.00	\$ 220,000.00	\$ 145.00	\$ 290,000.00	31.82
3008	300000	HYDRAULIC EXCAVATOR, UNDER 1.5 CY. - DRAINAGE AND STORMWATER WORK	HR	1500	\$ 100.00	\$ 150,000.00	\$ 50.00	\$ 75,000.00	-50.00
3009	300000	TRACK LOADER, 1-2.5 CY., MIN. 140 HP - DRAINAGE AND STORMWATER WORK	HR	500	\$ 90.00	\$ 45,000.00	\$ 95.00	\$ 47,500.00	5.56
3010	300000	SKID STEER LOADER, 45-75 HP. WITH ATTACHMENTS - DRAINAGE AND STORMWATER WORK	HR	1500	\$ 80.00	\$ 120,000.00	\$ 48.00	\$ 72,000.00	-40.00
3011	300000	FLAT BED TRUCK - DRAINAGE AND STORMWATER WORK	UD	500	\$ 175.00	\$ 87,500.00	\$ 337.00	\$ 168,500.00	92.57
3012	300000	MATERIALS FOR CONSTRUCTION	AL	1	\$ 625,000.00	\$ 625,000.00	\$ 625,000.00	\$ 625,000.00	0.00
3013	300000	SPECIALIZED EQUIPMENT FOR CONSTRUCTION	AL	1	\$ 140,000.00	\$ 140,000.00	\$ 140,000.00	\$ 140,000.00	0.00
3014	300000	SPECIALIZED SUBCONTRACTOR FOR CONSTRUCTION	AL	1	\$ 465,000.00	\$ 465,000.00	\$ 465,000.00	\$ 465,000.00	0.00
3015	300000	KB0455S01U - BEAR CREEK SWM POND ENHANCEMENT	LS	1	\$ 650,000.00	\$ 650,000.00	\$ 625,000.00	\$ 625,000.00	-3.85
7001	700000	LANDSCAPE OPERATIONS CREW FOR LANDSCAPE MANAGEMENT	HR	3120	\$ 257.00	\$ 801,840.00	\$ 475.00	\$ 1,482,000.00	84.82
7002	700000	LANDSCAPE OPERATIONS CREW FOR TREE OPERATIONS	HR	1008	\$ 295.00	\$ 297,360.00	\$ 500.00	\$ 504,000.00	69.49
TOTAL						\$6,062,800.00		\$ 7,876,510.00	29.92



Maryland
Transportation
Authority

CAPITAL COMMITTEE PROJECT SUMMARY

MA-3018-0000R - Drainage Outfall Rehabilitation

PIN NUMBER 2489
CONTRACT NUMBER MA-3018-0000R
CONTRACT TITLE Drainage Outfall Rehabilitation

PROJECT SUMMARY The scope of this project is to construct drainage improvements at 19 existing drainage outfalls located along I-895, Baltimore Harbor Tunnel Thruway (BHT), and I-95, John F. Kennedy Memorial Highway (JFK) facilities. The work includes repair, removal, replacement, and installation of drainage features such as manholes, inlets, endwalls, end sections, stormdrain pipes, vertical bends, concrete collars, ditches, riprap aprons, riprap plunge pools, gabion baskets, etc.; performing cured-in-place pipe (CIPP) rehabilitation; stabilizing and repairing existing erosion; providing, installing, and maintaining landscaping such as trees, shrubs, seeding, etc.; and installing, maintaining, and removing erosion and sediment control practices.

SCHEDULE

ADVERTISEMENT DATE 9/13/2023
ANTICIPATED NOTICE TO PROCEED DATE Apr-24
DURATION (CALENDER DAYS) 545

MBE PARTICIPATION

	(\$) Advertised GOAL (%)	Proposed GOAL (%)
OVERALL MBE	28.00%	28.40%
AFRICAN AMERICAN	8.00%	17.28%
ASIAN AMERICAN	0.00%	0.00%
HISPANIC AMERICAN	0.00%	0.00%
WOMEN	11.00%	11.12%
VSBE	1.00%	1.00%

ENGINEER'S ESTIMATE (EE) \$3,843,473.30

BID RESULTS

BID AMOUNT (\$) **% VARIANCE TO EE**

BID PROTEST YES NO

FUNDING SOURCE 100% TOLL REVENUE

JJID, Inc.	\$4,402,604.80	14%
Pessoa Construction Company, Inc.	\$4,895,086.20	27%
Brawner Builders, Inc.	\$4,947,311.00	28%
Veterans Kitchen Maintenance Inc t/a \	\$5,290,810.40	37%
The Six M Company, Inc.	\$5,340,000.00	38%



MEMORANDUM

TO: DIRECTOR OF ENGINEERING SUSHMITA MITRA, P.E., PTOE, PMP
FROM: ENVIRONMENTAL MANAGER PETER MATTEJAT, P.E.
SUBJECT: CONTRACT NO. MA-3018-0000R
DRAINAGE OUTFALL REHABILITATION
BID JUSTIFICATION
DATE: December 28, 2023

On November 15, 2023, five (5) bids were opened for the referenced Contract. The bid amounts were:

- JJID, Inc.: \$4,402,604.80
- Pessoa Construction Company, Inc.: \$4,895,086.20
- Brawner Builders, Inc.: \$4,947,311.00
- Veterans Kitchen Maintenance Inc t/a VKM Contracting: \$5,290,810.40
- The Six M Company, Inc.: \$5,340,000.00

The Engineer’s Estimate (EE) for this project was \$3,843,473.30. The low bidder’s (JJID, Inc.) bid price of \$4,402,604.80 is \$559,131.50 (14%) higher than the EE.

An evaluation and justification of the bids was performed by the Project Manager. In addition, questions were sent to the low bidder (JJID, Inc.) on December 11, 2023. The analysis found that the following items account for most of the difference between JJID’s bid and the EE. Item 3008 - Dewatering for Erosion and Sediment Control, Item 4001 - Maintenance of Stream flow, Item 7002 - Placing Furnished Topsoil 2 Inch Depth, Item 7003 – Placing Furnished Topsoil 4 Inch Depth contributed to \$478,995.00 (85.7%) of this difference.

MDE has put forth several new regulations for dewatering (Item 3008) and Item 4001 – Maintenance of Stream Flow; and quantifying the cost to meet these new regulations is subjective and challenging. For example, these new regulations require to include floodplain action and prevention plans as part of the maintenance of stream flow item. All the sites also vary, and the implementation varies based on the number of sandbags needed. The Engineer’s Estimate for this contract used the MA3018 (previous solicitation) bid tabs to develop a cost for Item 3008 – Dewatering and Item 4001 – Maintenance of Stream Flow. However, that may not have been comprehensive enough to estimate prices accurately. Additionally, since there isn’t enough bid information available to use for estimating these items with the new regulations imposed, estimated prices were lower than the received bids. JJID’s bid price is conservative to account for these new regulations. JJID also responded to our questions about this item, and they have a clear understanding of the work required.


Director of Engineering, Sushmita Mitra, P.E, PTOE, PMP

The EE used 2023 MDOT SHA Cost Estimating manual for the unit prices of items 7002 and 7003. These recommended prices may be slightly outdated and not reflective of the current market. Additionally, both items are going to be performed by a subcontractor. There is added scheduling risk when using a subcontractor, and JJID's price reflects the added risk.

Though JJID is relatively new to MDTA they have performed work for Maryland State Highway Administration (MDOT SHA), as well as Baltimore and Cecil Counties. They are clear in their understanding of the work that is included in this project and based on our review of the bids, we believe JJID's price is fair and reasonable.

RECOMMENDATION:

Based on our review, I recommend accepting JJID, Inc.'s low bid of \$4,402,604.80.

Approved:  12/28/2023
Sushmita Mitra, P.E., PTOE, PMP Date

ATTACHMENTS: Bid Tabulations and comparisons

Bid Tabulation

ITEM NO.	CAT CODE	DESCRIPTION	UNITS	QUANTITY	Engineer's Estimate		JJD		+/- % of Est.
					UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	
1001	100000	MISCELLANEOUS CONSTRUCTION ALLOWANCE	AL	1	100000	\$100,000.00	100000	\$100,000.00	0.00
1002	100000	RAILROAD EXPENSE ALLOWANCE	AL	1	30000	\$30,000.00	30000	\$30,000.00	0.00
1003	100000	DIRECT HIRE-CONTRACTOR PROTECTIVE SERVICES EXPENSE ALLOWANCE	AL	1	50000	\$50,000.00	50000	\$50,000.00	0.00
1004	100000	ADDITIONAL PROTECTION VEHICLE	UD	36	350	\$12,600.00	225	\$8,100.00	-35.71
1005	110100	CLEARING & GRUBBING	LS	1	99750	\$99,750.00	104000	\$104,000.00	4.26
1006	110360	TYPE C ENGINEERS OFFICE	LS	1	50000	\$50,000.00	79000	\$79,000.00	58.00
1007	110500	PRICE ADJUSTMENT FOR DIESEL FUEL	EA	10000	1	\$10,000.00	1	\$10,000.00	0.00
1008	114216	5 INCH YELLOW REMOVABLE PAVEMENT LINE MARKINGS	LF	1360	2	\$2,720.00	1.72	\$2,339.20	-14.00
1009	114221	5 INCH WHITE REMOVABLE PAVEMENT LINE MARKINGS	LF	15735	2	\$31,470.00	1.98	\$31,155.30	-1.00
1010	114276	REMOVAL OF REMOVABLE PAVEMENT MARKING LINES - ANY WIDTH	LF	15735	1	\$15,735.00	0.5	\$7,867.50	-50.00
1011	114302	8 INCH BLACK OUT TAPE LINES	LF	7310	4	\$29,240.00	4.05	\$29,605.50	1.25
1012	114304	12 INCH BLACK OUT TAPE LINES	LF	4000	5	\$20,000.00	6	\$24,000.00	20.00
1013	114306	REMOVAL OF BLACK OUT TAPE LINES-ANY WIDTH	LF	11310	1	\$11,310.00	0.5	\$5,655.00	-50.00
1014	120500	MAINTENANCE OF TRAFFIC	LS	1	391125	\$391,125.00	227000	\$227,000.00	-41.96
1015	120610	ARROW PANEL	UD	61	50	\$3,050.00	33	\$2,013.00	-34.00
1016	120625	TEMPORARY TRAFFIC SIGNS HIGH PERFORMANCE WIDE ANGLE RETROREFLECTIVE SHEETING	SF	3200	25	\$80,000.00	21	\$67,200.00	-16.00
1017	120715	RESET PRECAST TEMPORARY CONCRETE TRAFFIC BARRIER FOR MAINTENANCE OF TRAFFIC	LF	4280	10	\$42,800.00	17	\$72,760.00	70.00
1018	120717	REFLECTIVE BARRIER MARKERS	EA	140	25	\$3,500.00	12.25	\$1,715.00	-51.00
1019	120743	TYPE III BARRICADE FOR MAINTENANCE OF TRAFFIC	EA	2	325	\$650.00	275	\$550.00	-15.38
1020	120750	TEMPORARY CRASH CUSHION SAND FILLED PLASTIC BARRELS FOR MAINTENANCE OF TRAFFIC	BBL	126	400	\$50,400.00	520	\$65,520.00	30.00
1021	120772	SIGN MODIFICATIONS TO OVERHEAD SIGN STRUCTURES	SF	17	250	\$4,250.00	115	\$1,955.00	-54.00
1022	120784	TEMPORARY ORANGE CONSTRUCTION FENCE	LF	6985	3	\$20,955.00	3.6	\$25,146.00	20.00
1023	120820	DRUMS FOR MAINTENANCE OF TRAFFIC	EA	712	85	\$60,520.00	95	\$67,640.00	11.76
1024	121150	PRECAST TEMPORARY 32 INCH F SHAPE CONCRETE TRAFFIC BARRIER	LF	3125	40	\$125,000.00	32	\$100,000.00	-20.00
1025	130840	CONSTRUCTION STAKEOUT	LS	1	56000	\$56,000.00	68000	\$68,000.00	21.43
1026	130875	MOBILIZATION AND DEMOBILIZATION	LS	1	238750	\$238,750.00	222000	\$222,000.00	-7.02
1027	131010	TYPE B - CRITICAL PATH METHOD (CPM) SCHEDULE FOR TYPICAL PROJECTS	LS	1	20000	\$20,000.00	9300	\$9,300.00	-53.50
2001	200000	ALLOWANCE FOR HANDLING AND DISPOSAL OF CONTAMINATED MATERIAL	AL	1	50000	\$50,000.00	50000	\$50,000.00	0.00
2002	201031	CLASS 1-A EXCAVATION	CY	25	55	\$1,375.00	70	\$1,750.00	27.27
2003	201032	CLASS 2 EXCAVATION	CY	2500	55	\$137,500.00	49	\$122,500.00	-10.91
2004	202065	COMMON BORROW	CY	310	75	\$23,250.00	76	\$23,560.00	1.33
2005	203030	TEST PIT EXCAVATION	CY	9	500	\$4,500.00	325	\$2,925.00	-35.00
2006	210030	REMOVAL OF EXISTING MASONRY	CY	11	250	\$2,750.00	570	\$6,270.00	128.00
3001	300000	FURNISH AND INSTALL CIPP LINER FOR 24 INCH PIPE	LF	829	525	\$435,225.00	600	\$497,400.00	14.29
3002	300000	PVC LINER FOR RIPRAP	SF	435	5	\$2,175.00	7	\$3,045.00	40.00
3003	300000	CLASS I CHANNEL BED MATERIAL	CY	13	225	\$2,925.00	202	\$2,626.00	-10.22
3004	300000	CLASS II CHANNEL BED MATERIAL	CY	174	225	\$39,150.00	207	\$36,018.00	-8.00
3005	300000	TIMBER MATTING	SY	415	80	\$33,200.00	30	\$12,450.00	-62.50
3006	300000	TEMPORARY MULCH ACCESS ROAD	SY	281	20	\$5,620.00	54	\$15,174.00	170.00
3007	300000	CLEAN EXISTING CONCRETE CHANNEL	LF	315	10	\$3,150.00	48	\$15,120.00	380.00
3008	300000	DEWATERING FOR EROSION AND SEDIMENT CONTROL	LS	1	49500	\$49,500.00	128000	\$128,000.00	158.59
3009	301008	STABILIZED CONSTRUCTION ENTRANCE	EA	15	4500	\$67,500.00	3300	\$49,500.00	-26.67
3010	301210	REMOVAL OF EXISTING PIPE	LF	288	37.5	\$10,800.00	26	\$7,488.00	-30.67
3011	301311	MIX 2 CONCRETE FOR MISCELLANEOUS STRUCTURES	CY	60	750	\$45,000.00	1330	\$79,800.00	77.33
3012	301315	MIX 3 CONCRETE FOR MISCELLANEOUS STRUCTURES	CY	3	1100	\$3,300.00	1600	\$4,800.00	45.45
3013	301360	MIX NO. 9 CONCRETE FOR MISCELLANEOUS STRUCTURES	CY	7	900	\$6,300.00	1800	\$12,600.00	100.00
3014	302415	15 INCH REINFORCED CONCRETE PIPE, CLASS IV	LF	46	105	\$4,830.00	200	\$9,200.00	90.48
3015	302418	18 INCH REINFORCED CONCRETE PIPE, CLASS IV	LF	123	130	\$15,990.00	204	\$25,092.00	56.92
3016	302424	24 INCH REINFORCED CONCRETE PIPE, CLASS IV	LF	214	145	\$31,030.00	230	\$49,220.00	58.62
3017	334115	15 INCH CORRUGATED POLYETHYLENE PIPE ELBOW (ANY ANGLE)	EA	6	375	\$2,250.00	600	\$3,600.00	60.00
3018	334118	18 INCH CORRUGATED POLYETHYLENE PIPE ELBOW (ANY ANGLE)	EA	8	425	\$3,400.00	625	\$5,000.00	47.06
3019	334124	24 INCH CORRUGATED POLYETHYLENE PIPE ELBOW (ANY ANGLE)	EA	8	550	\$4,400.00	880	\$7,040.00	60.00
3020	340012	12 INCH CORRUGATED POLYETHYLENE PIPE, TYPE S	LF	6	80	\$480.00	130	\$780.00	62.50
3021	340015	15 INCH CORRUGATED POLYETHYLENE PIPE, TYPE S	LF	212	80	\$16,960.00	143	\$30,316.00	78.75
3022	340018	18 INCH CORRUGATED POLYETHYLENE PIPE, TYPE S	LF	227	100	\$22,700.00	150	\$34,050.00	50.00
3023	340024	24 INCH CORRUGATED POLYETHYLENE PIPE, TYPE S	LF	304	120	\$36,480.00	167	\$50,768.00	39.17
3024	354415	STANDARD TYPE C ENDWALL FOR 15 INCH PIPE	EA	3	3750	\$11,250.00	4200	\$12,600.00	12.00

Bid Tabulation

ITEM NO.	CAT CODE	DESCRIPTION	UNITS	QUANTITY	Engineer's Estimate		JJD		+/- % of Est.
					UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	
3025	354418	STANDARD TYPE C ENDWALL FOR 18 INCH PIPE	EA	4	4250	\$17,000.00	4300	\$17,200.00	1.18
3026	354424	STANDARD TYPE C ENDWALL FOR 24 INCH PIPE	EA	8	4750	\$38,000.00	4700	\$37,600.00	-1.05
3027	368815	15 INCH STANDARD CONCRETE END SECTION	EA	1	1250	\$1,250.00	1300	\$1,300.00	4.00
3028	368818	18 INCH STANDARD CONCRETE END SECTION	EA	1	1500	\$1,500.00	1500	\$1,500.00	0.00
3029	378175	STANDARD SINGLE OPENING TYPE K INLET OPEN END GRATE-MINIMUM DEPTH	EA	1	5250	\$5,250.00	5400	\$5,400.00	2.86
3030	378178	STANDARD SINGLE OPENING TYPE K INLET OPEN END GRATE-VERTICAL DEPTH	LF	1	400	\$400.00	300	\$300.00	-25.00
3031	379120	STANDARD TYPE S INLET, DOUBLE GRATE TANDEM - MINIMUM DEPTH	EA	6	6250	\$37,500.00	7200	\$43,200.00	15.20
3032	379122	STANDARD TYPE S INLET, DOUBLE GRATE TANDEM - VERTICAL DEPTH	LF	23	400	\$9,200.00	425	\$9,775.00	6.25
3033	380510	STANDARD SHALLOW MANHOLE 4 FT SQUARE WITH TYPE D FRAME AND COVER-MINIMUM DEPTH	EA	1	7000	\$7,000.00	5000	\$5,000.00	-28.57
3034	380520	STANDARD SHALLOW MANHOLE 4 FT SQUARE-VERTICAL DEPTH	LF	4	500	\$2,000.00	255	\$1,020.00	-49.00
3035	380600	48 INCH DIAMETER MANHOLE FOR 12 INCH TO 24 INCH PIPES - MINIMUM DEPTH	EA	7	7500	\$52,500.00	4700	\$32,900.00	-37.33
3036	380605	48 INCH DIAMETER MANHOLE - VERTICAL DEPTH	LF	14	400	\$5,600.00	250	\$3,500.00	-37.50
3037	380620	72 INCH DIAMETER MANHOLE FOR 42 INCH AND 48 INCH PIPES - MINIMUM DEPTH	EA	1	10000	\$10,000.00	10600	\$10,600.00	6.00
3038	380625	72 INCH DIAMETER MANHOLE - VERTICAL DEPTH	LF	2	600	\$1,200.00	430	\$860.00	-28.33
3039	380850	ADJUST EXISTING MANHOLE	EA	1	3000	\$3,000.00	1625	\$1,625.00	-45.83
3040	387167	TEMPORARY ACCESS BRIDGE	LS	1	16000	\$16,000.00	30000	\$30,000.00	87.50
3041	387175	12 INCH CLEAR WATER DIVERSION PIPE	LF	1325	35	\$46,375.00	62	\$82,150.00	77.14
3042	387180	15 INCH CLEAR WATER DIVERSION PIPE	LF	421	45	\$18,945.00	67	\$28,207.00	48.89
3043	387185	18 INCH CLEAR WATER DIVERSION PIPE	LF	412	55	\$22,660.00	71	\$29,252.00	29.09
3044	387190	24 INCH CLEAR WATER DIVERSION PIPE	LF	357	65	\$23,205.00	90	\$32,130.00	38.46
3045	388066	INLET PROTECTION	EA	2	500	\$1,000.00	400	\$800.00	-20.00
3046	389105	5 INCH CONCRETE DITCH	SY	50	160	\$8,000.00	170	\$8,500.00	6.25
3047	389436	36 INCH GABION	CY	44	400	\$17,600.00	630	\$27,720.00	57.50
3048	390321	CLASS I RIPRAP FOR SLOPE AND CHANNEL PROTECTION	SY	483	160	\$77,280.00	127	\$61,341.00	-20.63
3049	390330	RIPRAP FOR SEDIMENT CONTROL	TON	131	85	\$11,135.00	100	\$13,100.00	17.65
3050	390350	2 INCH TO 3 INCH STONE FOR SEDIMENT CONTROL	TON	2	150	\$300.00	184	\$368.00	22.67
3051	390525	SILT FENCE	LF	749	4.5	\$3,370.50	3	\$2,247.00	-33.33
3052	390535	SUPER SILT FENCE	LF	1969	12	\$23,628.00	15	\$29,535.00	25.00
3053	391001	BOTTOM CUTOFF WALLS FOR CLASS I RIPRAP	LF	130	70	\$9,100.00	122	\$15,860.00	74.29
3054	30000	TURBIDITY MONITORING	LS	1	36500	\$36,500.00	22000	\$22,000.00	-39.73
4001	410005	MAINTENANCE OF STREAM FLOW	LS	1	52000	\$52,000.00	133000	\$133,000.00	155.77
4002	410205	REMOVAL OF PORTIONS OF EXISTING STRUCTURE	LS	1	5000	\$5,000.00	5500	\$5,500.00	10.00
5001	549110	5 INCH WHITE PAVEMENT MARKING TAPE	LF	10	50	\$500.00	35	\$350.00	-30.00
6001	606017	TRAFFIC BARRIER W-BEAM ONE-SIDED END TREATMENT (TYPE C)	EA	4	4500	\$18,000.00	4700	\$18,800.00	4.44
6002	606025	TRAFFIC BARRIER W-BEAM ONE-SIDED DOWNSTREAM END TREATMENT TYPE K	EA	7	1750	\$12,250.00	2100	\$14,700.00	20.00
6003	606081	TRAFFIC BARRIER W-BEAM RADIUS ANCHORAGE (TYPE L)	EA	2	2000	\$4,000.00	1500	\$3,000.00	-25.00
6004	620142	42 INCH F SHAPE CONCRETE MEDIAN TRAFFIC BARRIER BIFURCATED FROM 0 INCH TO 1 FOOT 6 INCHES	LF	9	1750	\$15,750.00	450	\$4,050.00	-74.29
6005	634131	STANDARD TYPE C CURB 8 INCH X 11 INCH MINIMUM	LF	126	50	\$6,300.00	95	\$11,970.00	90.00
6006	660482	TRAFFIC BARRIER W BEAM USING 6 FOOT POST	LF	201	50	\$10,050.00	43	\$8,643.00	-14.00
6007	662182	REMOVE AND RESET EXISTING TRAFFIC BARRIER W BEAM	LF	1328	25	\$33,200.00	11	\$14,608.00	-56.00
6008	662326	REMOVE EXISTING END TREATMENT	EA	1	1000	\$1,000.00	1500	\$1,500.00	50.00
6009	690134	6 FOOT GALVANIZED CHAIN LINK FENCE WITH BLACK BONDED VINYL COATING	LF	167	50	\$8,350.00	52	\$8,684.00	4.00
6010	691290	TERMINAL POST FOR 5 FOOT GALVANIZED CHAIN LINK FENCE WITH BLACK BONDED VINYL COATING	EA	2	500	\$1,000.00	306	\$612.00	-38.80
6011	691292	TERMINAL POST FOR 6 FOOT GALVANIZED CHAIN LINK FENCE WITH BLACK BONDED VINYL COATING	EA	8	500	\$4,000.00	215	\$1,720.00	-57.00
6012	692210	6 FOOT GATE FOR 5 FOOT GALVANIZED CHAIN LINK FENCE WITH BLACK BONDED VINYL COATING	EA	1	1400	\$1,400.00	1850	\$1,850.00	32.14
6013	692212	6 FOOT GATE FOR 6 FOOT GALVANIZED CHAIN LINK FENCE WITH BLACK BONDED VINYL COATING	EA	3	1500	\$4,500.00	3060	\$9,180.00	104.00
6014	695183	REMOVE AND RESET EXISTING FENCE	LF	418	25	\$10,450.00	18.35	\$7,670.30	-26.60
6015	695190	REMOVE AND DISPOSE OF EXISTING FENCE	LF	168	10	\$1,680.00	10.4	\$1,747.20	4.00
7001	700000	NON-NATIVE INVASIVE SPECIES CONTROL	LS	1	20000	\$20,000.00	13000	\$13,000.00	-35.00
7002	704325	PLACING FURNISHED TOPSOIL 2 INCH DEPTH	SY	6536	6	\$39,216.00	17.75	\$116,014.00	195.83
7003	704345	PLACING FURNISHED TOPSOIL 4 INCH DEPTH	SY	17780	9	\$160,020.00	22.65	\$402,717.00	151.67
7004	705412	TEMPORARY MULCH	SY	28520	0.75	\$21,390.00	1.5	\$42,780.00	100.00
7005	705500	TURFGRASS ESTABLISHMENT	SY	11741	2	\$23,482.00	2.75	\$32,287.75	37.50
7006	705565	REFERTILIZING	SY	11741	0.8	\$9,392.80	0.4	\$4,696.40	-50.00
7007	706110	LOWLAND SHRUB SEEDING	SY	275	3	\$825.00	6.15	\$1,691.25	105.00
7008	707400	UPLAND MEADOW ESTABLISHMENT	SY	11120	2.5	\$27,800.00	2.75	\$30,580.00	10.00
7009	707410	LOWLAND MEADOW ESTABLISHMENT	SY	1100	3	\$3,300.00	3.7	\$4,070.00	23.33
7010	707420	WET MEADOW ESTABLISHMENT	SY	630	3	\$1,890.00	6.15	\$3,874.50	105.00
7011	709100	TYPE A SOIL STABILIZATION MATTING	SY	2938	3	\$8,814.00	3.6	\$10,576.80	20.00
7012	709130	TYPE D SOIL STABILIZATION MATTING	SY	12575	5	\$62,875.00	8.5	\$106,887.50	70.00
7013	710150	TREE, SHRUB, AND PERENNIAL INSTALLATION AND ESTABLISHMENT	LS	1	125245	\$125,245.00	110000	\$110,000.00	-12.17
7014	715050	TREE ROOT PRUNING	LF	1048	10	\$10,480.00	9.2	\$9,641.60	-8.00
					\$	3,843,473.30	\$	4,402,604.80	14.55

Bid Tabulation

ITEM NO.	CAT CODE	DESCRIPTION	UNITS	QUANTITY	Engineer's Estimate		Pessoa Construction Company		+/- % of Est.
					UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	
1001	100000	MISCELLANEOUS CONSTRUCTION ALLOWANCE	AL	1	100000	\$100,000.00	100000	\$100,000.00	0.00
1002	100000	RAILROAD EXPENSE ALLOWANCE	AL	1	30000	\$30,000.00	30000	\$30,000.00	0.00
1003	100000	DIRECT HIRE-CONTRACTOR PROTECTIVE SERVICES EXPENSE ALLOWANCE	AL	1	50000	\$50,000.00	50000	\$50,000.00	0.00
1004	100000	ADDITIONAL PROTECTION VEHICLE	UD	36	350	\$12,600.00	700	\$25,200.00	100.00
1005	110100	CLEARING & GRUBBING	LS	1	99750	\$99,750.00	205000	\$205,000.00	105.51
1006	110360	TYPE C ENGINEERS OFFICE	LS	1	50000	\$50,000.00	120000	\$120,000.00	140.00
1007	110500	PRICE ADJUSTMENT FOR DIESEL FUEL	EA	10000	1	\$10,000.00	1	\$10,000.00	0.00
1008	114216	5 INCH YELLOW REMOVABLE PAVEMENT LINE MARKINGS	LF	1360	2	\$2,720.00	2.2	\$2,992.00	10.00
1009	114221	5 INCH WHITE REMOVABLE PAVEMENT LINE MARKINGS	LF	15735	2	\$31,470.00	2	\$31,470.00	0.00
1010	114276	REMOVAL OF REMOVABLE PAVEMENT MARKING LINES - ANY WIDTH	LF	15735	1	\$15,735.00	2.1	\$33,043.50	110.00
1011	114302	8 INCH BLACK OUT TAPE LINES	LF	7310	4	\$29,240.00	2.1	\$15,351.00	-47.50
1012	114304	12 INCH BLACK OUT TAPE LINES	LF	4000	5	\$20,000.00	2.5	\$10,000.00	-50.00
1013	114306	REMOVAL OF BLACK OUT TAPE LINES-ANY WIDTH	LF	11310	1	\$11,310.00	2.1	\$23,751.00	110.00
1014	120500	MAINTENANCE OF TRAFFIC	LS	1	391125	\$391,125.00	180000	\$180,000.00	-53.98
1015	120610	ARROW PANEL	UD	61	50	\$3,050.00	40	\$2,440.00	-20.00
1016	120625	TEMPORARY TRAFFIC SIGNS HIGH PERFORMANCE WIDE ANGLE RETROREFLECTIVE SHEETING	SF	3200	25	\$80,000.00	22	\$70,400.00	-12.00
1017	120715	RESET PRECAST TEMPORARY CONCRETE TRAFFIC BARRIER FOR MAINTENANCE OF TRAFFIC	LF	4280	10	\$42,800.00	20	\$85,600.00	100.00
1018	120717	REFLECTIVE BARRIER MARKERS	EA	140	25	\$3,500.00	30	\$4,200.00	20.00
1019	120743	TYPE III BARRICADE FOR MAINTENANCE OF TRAFFIC	EA	2	325	\$650.00	520	\$1,040.00	60.00
1020	120750	TEMPORARY CRASH CUSHION SAND FILLED PLASTIC BARRELS FOR MAINTENANCE OF TRAFFIC	BBL	126	400	\$50,400.00	580	\$73,080.00	45.00
1021	120772	SIGN MODIFICATIONS TO OVERHEAD SIGN STRUCTURES	SF	17	250	\$4,250.00	235	\$3,995.00	-6.00
1022	120784	TEMPORARY ORANGE CONSTRUCTION FENCE	LF	6985	3	\$20,955.00	2	\$13,970.00	-33.33
1023	120820	DRUMS FOR MAINTENANCE OF TRAFFIC	EA	712	85	\$60,520.00	85	\$60,520.00	0.00
1024	121150	PRECAST TEMPORARY 32 INCH F SHAPE CONCRETE TRAFFIC BARRIER	LF	3125	40	\$125,000.00	53	\$165,625.00	32.50
1025	130840	CONSTRUCTION STAKEOUT	LS	1	56000	\$56,000.00	180000	\$180,000.00	221.43
1026	130875	MOBILIZATION AND DEMOBILIZATION	LS	1	238750	\$238,750.00	300000	\$300,000.00	25.65
1027	131010	TYPE B - CRITICAL PATH METHOD (CPM) SCHEDULE FOR TYPICAL PROJECTS	LS	1	20000	\$20,000.00	24000	\$24,000.00	20.00
2001	200000	ALLOWANCE FOR HANDLING AND DISPOSAL OF CONTAMINATED MATERIAL	AL	1	50000	\$50,000.00	50000	\$50,000.00	0.00
2002	201031	CLASS 1-A EXCAVATION	CY	25	55	\$1,375.00	182	\$4,550.00	230.91
2003	201032	CLASS 2 EXCAVATION	CY	2500	55	\$137,500.00	100	\$250,000.00	81.82
2004	202065	COMMON BORROW	CY	310	75	\$23,250.00	60	\$18,600.00	-20.00
2005	203030	TEST PIT EXCAVATION	CY	9	500	\$4,500.00	400	\$3,600.00	-20.00
2006	210030	REMOVAL OF EXISTING MASONRY	CY	11	250	\$2,750.00	2450	\$26,950.00	880.00
3001	300000	FURNISH AND INSTALL CIPP LINER FOR 24 INCH PIPE	LF	829	525	\$435,225.00	435	\$360,615.00	-17.14
3002	300000	PVC LINER FOR RIPRAP	SF	435	5	\$2,175.00	16	\$6,960.00	220.00
3003	300000	CLASS I CHANNEL BED MATERIAL	CY	13	225	\$2,925.00	340	\$4,420.00	51.11
3004	300000	CLASS II CHANNEL BED MATERIAL	CY	174	225	\$39,150.00	260	\$45,240.00	15.56
3005	300000	TIMBER MATTING	SY	415	80	\$33,200.00	26	\$10,790.00	-67.50
3006	300000	TEMPORARY MULCH ACCESS ROAD	SY	281	20	\$5,620.00	43	\$12,083.00	115.00
3007	300000	CLEAN EXISTING CONCRETE CHANNEL	LF	315	10	\$3,150.00	40	\$12,600.00	300.00
3008	300000	DEWATERING FOR EROSION AND SEDIMENT CONTROL	LS	1	49500	\$49,500.00	390000	\$390,000.00	687.88
3009	301008	STABILIZED CONSTRUCTION ENTRANCE	EA	15	4500	\$67,500.00	4000	\$60,000.00	-11.11
3010	301210	REMOVAL OF EXISTING PIPE	LF	288	37.5	\$10,800.00	65	\$18,720.00	73.33
3011	301311	MIX 2 CONCRETE FOR MISCELLANEOUS STRUCTURES	CY	60	750	\$45,000.00	1200	\$72,000.00	60.00
3012	301315	MIX 3 CONCRETE FOR MISCELLANEOUS STRUCTURES	CY	3	1100	\$3,300.00	1700	\$5,100.00	54.55
3013	301360	MIX NO. 9 CONCRETE FOR MISCELLANEOUS STRUCTURES	CY	7	900	\$6,300.00	3000	\$21,000.00	233.33
3014	302415	15 INCH REINFORCED CONCRETE PIPE, CLASS IV	LF	46	105	\$4,830.00	220	\$10,120.00	109.52
3015	302418	18 INCH REINFORCED CONCRETE PIPE, CLASS IV	LF	123	130	\$15,990.00	210	\$25,830.00	61.54
3016	302424	24 INCH REINFORCED CONCRETE PIPE, CLASS IV	LF	214	145	\$31,030.00	260	\$55,640.00	79.31
3017	334115	15 INCH CORRUGATED POLYETHYLENE PIPE ELBOW (ANY ANGLE)	EA	6	375	\$2,250.00	1520	\$9,120.00	305.33
3018	334118	18 INCH CORRUGATED POLYETHYLENE PIPE ELBOW (ANY ANGLE)	EA	8	425	\$3,400.00	1670	\$13,360.00	292.94
3019	334124	24 INCH CORRUGATED POLYETHYLENE PIPE ELBOW (ANY ANGLE)	EA	8	550	\$4,400.00	2230	\$17,840.00	305.45
3020	340012	12 INCH CORRUGATED POLYETHYLENE PIPE, TYPE S	LF	6	80	\$480.00	250	\$1,500.00	212.50
3021	340015	15 INCH CORRUGATED POLYETHYLENE PIPE, TYPE S	LF	212	80	\$16,960.00	120	\$25,440.00	50.00
3022	340018	18 INCH CORRUGATED POLYETHYLENE PIPE, TYPE S	LF	227	100	\$22,700.00	260	\$59,020.00	160.00
3023	340024	24 INCH CORRUGATED POLYETHYLENE PIPE, TYPE S	LF	304	120	\$36,480.00	280	\$85,120.00	133.33
3024	354415	STANDARD TYPE C ENDWALL FOR 15 INCH PIPE	EA	3	3750	\$11,250.00	3600	\$10,800.00	-4.00

Bid Tabulation

ITEM NO.	CAT CODE	DESCRIPTION	UNITS	QUANTITY	Engineer's Estimate		Pessoa Construction Company		+/- % of Est.
					UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	
3025	354418	STANDARD TYPE C ENDWALL FOR 18 INCH PIPE	EA	4	4250	\$17,000.00	4400	\$17,600.00	3.53
3026	354424	STANDARD TYPE C ENDWALL FOR 24 INCH PIPE	EA	8	4750	\$38,000.00	4800	\$38,400.00	1.05
3027	368815	15 INCH STANDARD CONCRETE END SECTION	EA	1	1250	\$1,250.00	1500	\$1,500.00	20.00
3028	368818	18 INCH STANDARD CONCRETE END SECTION	EA	1	1500	\$1,500.00	1700	\$1,700.00	13.33
3029	378175	STANDARD SINGLE OPENING TYPE K INLET OPEN END GRATE-MINIMUM DEPTH	EA	1	5250	\$5,250.00	8400	\$8,400.00	60.00
3030	378178	STANDARD SINGLE OPENING TYPE K INLET OPEN END GRATE-VERTICAL DEPTH	LF	1	400	\$400.00	900	\$900.00	125.00
3031	379120	STANDARD TYPE S INLET, DOUBLE GRATE TANDEM - MINIMUM DEPTH	EA	6	6250	\$37,500.00	10700	\$64,200.00	71.20
3032	379122	STANDARD TYPE S INLET, DOUBLE GRATE TANDEM - VERTICAL DEPTH	LF	23	400	\$9,200.00	750	\$17,250.00	87.50
3033	380510	STANDARD SHALLOW MANHOLE 4 FT SQUARE WITH TYPE D FRAME AND COVER-MINIMUM DEPTH	EA	1	7000	\$7,000.00	12000	\$12,000.00	71.43
3034	380520	STANDARD SHALLOW MANHOLE 4 FT SQUARE-VERTICAL DEPTH	LF	4	500	\$2,000.00	750	\$3,000.00	50.00
3035	380600	48 INCH DIAMETER MANHOLE FOR 12 INCH TO 24 INCH PIPES - MINIMUM DEPTH	EA	7	7500	\$52,500.00	7000	\$49,000.00	-6.67
3036	380605	48 INCH DIAMETER MANHOLE - VERTICAL DEPTH	LF	14	400	\$5,600.00	750	\$10,500.00	87.50
3037	380620	72 INCH DIAMETER MANHOLE FOR 42 INCH AND 48 INCH PIPES - MINIMUM DEPTH	EA	1	10000	\$10,000.00	12500	\$12,500.00	25.00
3038	380625	72 INCH DIAMETER MANHOLE - VERTICAL DEPTH	LF	2	600	\$1,200.00	750	\$1,500.00	25.00
3039	380850	ADJUST EXISTING MANHOLE	EA	1	3000	\$3,000.00	2500	\$2,500.00	-16.67
3040	387167	TEMPORARY ACCESS BRIDGE	LS	1	16000	\$16,000.00	32500	\$32,500.00	103.13
3041	387175	12 INCH CLEAR WATER DIVERSION PIPE	LF	1325	35	\$46,375.00	26	\$34,450.00	-25.71
3042	387180	15 INCH CLEAR WATER DIVERSION PIPE	LF	421	45	\$18,945.00	34	\$14,314.00	-24.44
3043	387185	18 INCH CLEAR WATER DIVERSION PIPE	LF	412	55	\$22,660.00	42	\$17,304.00	-23.64
3044	387190	24 INCH CLEAR WATER DIVERSION PIPE	LF	357	65	\$23,205.00	58	\$20,706.00	-10.77
3045	388066	INLET PROTECTION	EA	2	500	\$1,000.00	400	\$800.00	-20.00
3046	389105	5 INCH CONCRETE DITCH	SY	50	160	\$8,000.00	125	\$6,250.00	-21.88
3047	389436	36 INCH GABION	CY	44	400	\$17,600.00	470	\$20,680.00	17.50
3048	390321	CLASS I RIPRAP FOR SLOPE AND CHANNEL PROTECTION	SY	483	160	\$77,280.00	145	\$70,035.00	-9.38
3049	390330	RIPRAP FOR SEDIMENT CONTROL	TON	131	85	\$11,135.00	160	\$20,960.00	88.24
3050	390350	2 INCH TO 3 INCH STONE FOR SEDIMENT CONTROL	TON	2	150	\$300.00	350	\$700.00	133.33
3051	390525	SILT FENCE	LF	749	4.5	\$3,370.50	5	\$3,745.00	11.11
3052	390535	SUPER SILT FENCE	LF	1969	12	\$23,628.00	20	\$39,380.00	66.67
3053	391001	BOTTOM CUTOFF WALLS FOR CLASS I RIPRAP	LF	130	70	\$9,100.00	90	\$11,700.00	28.57
3054	30000	TURBIDITY MONITORING	LS	1	36500	\$36,500.00	15000	\$15,000.00	-58.90
4001	410005	MAINTENANCE OF STREAM FLOW	LS	1	52000	\$52,000.00	150000	\$150,000.00	188.46
4002	410205	REMOVAL OF PORTIONS OF EXISTING STRUCTURE	LS	1	5000	\$5,000.00	20000	\$20,000.00	300.00
5001	549110	5 INCH WHITE PAVEMENT MARKING TAPE	LF	10	50	\$500.00	150	\$1,500.00	200.00
6001	606017	TRAFFIC BARRIER W-BEAM ONE-SIDED END TREATMENT (TYPE C)	EA	4	4500	\$18,000.00	4000	\$16,000.00	-11.11
6002	606025	TRAFFIC BARRIER W-BEAM ONE-SIDED DOWNSTREAM END TREATMENT TYPE K	EA	7	1750	\$12,250.00	1800	\$12,600.00	2.86
6003	606081	TRAFFIC BARRIER W-BEAM RADIUS ANCHORAGE (TYPE L)	EA	2	2000	\$4,000.00	1300	\$2,600.00	-35.00
6004	620142	42 INCH F SHAPE CONCRETE MEDIAN TRAFFIC BARRIER BIFURCATED FROM 0 INCH TO 1 FOOT 6 INCHES	LF	9	1750	\$15,750.00	650	\$5,850.00	-62.86
6005	634131	STANDARD TYPE C CURB 8 INCH X 11 INCH MINIMUM	LF	126	50	\$6,300.00	72	\$9,072.00	44.00
6006	660482	TRAFFIC BARRIER W BEAM USING 6 FOOT POST	LF	201	50	\$10,050.00	38	\$7,638.00	-24.00
6007	662182	REMOVE AND RESET EXISTING TRAFFIC BARRIER W BEAM	LF	1328	25	\$33,200.00	10	\$13,280.00	-60.00
6008	662326	REMOVE EXISTING END TREATMENT	EA	1	1000	\$1,000.00	1300	\$1,300.00	30.00
6009	690134	6 FOOT GALVANIZED CHAIN LINK FENCE WITH BLACK BONDED VINYL COATING	LF	167	50	\$8,350.00	45	\$7,515.00	-10.00
6010	691290	TERMINAL POST FOR 5 FOOT GALVANIZED CHAIN LINK FENCE WITH BLACK BONDED VINYL COATING	EA	2	500	\$1,000.00	265	\$530.00	-47.00
6011	691292	TERMINAL POST FOR 6 FOOT GALVANIZED CHAIN LINK FENCE WITH BLACK BONDED VINYL COATING	EA	8	500	\$4,000.00	185	\$1,480.00	-63.00
6012	692210	6 FOOT GATE FOR 5 FOOT GALVANIZED CHAIN LINK FENCE WITH BLACK BONDED VINYL COATING	EA	1	1400	\$1,400.00	1600	\$1,600.00	14.29
6013	692212	6 FOOT GATE FOR 6 FOOT GALVANIZED CHAIN LINK FENCE WITH BLACK BONDED VINYL COATING	EA	3	1500	\$4,500.00	2650	\$7,950.00	76.67
6014	695183	REMOVE AND RESET EXISTING FENCE	LF	418	25	\$10,450.00	16	\$6,688.00	-36.00
6015	695190	REMOVE AND DISPOSE OF EXISTING FENCE	LF	168	10	\$1,680.00	9	\$1,512.00	-10.00
7001	700000	NON-NATIVE INVASIVE SPECIES CONTROL	LS	1	20000	\$20,000.00	34000	\$34,000.00	70.00
7002	704325	PLACING FURNISHED TOPSOIL 2 INCH DEPTH	SY	6536	6	\$39,216.00	7	\$45,752.00	16.67
7003	704345	PLACING FURNISHED TOPSOIL 4 INCH DEPTH	SY	17780	9	\$160,020.00	13	\$231,140.00	44.44
7004	705412	TEMPORARY MULCH	SY	28520	0.75	\$21,390.00	0.9	\$25,668.00	20.00
7005	705500	TURFGRASS ESTABLISHMENT	SY	11741	2	\$23,482.00	1.4	\$16,437.40	-30.00
7006	705565	REFERTILIZING	SY	11741	0.8	\$9,392.80	0.8	\$9,392.80	0.00
7007	706110	LOWLAND SHRUB SEEDING	SY	275	3	\$825.00	3	\$825.00	0.00
7008	707400	UPLAND MEADOW ESTABLISHMENT	SY	11120	2.5	\$27,800.00	1.75	\$19,460.00	-30.00
7009	707410	LOWLAND MEADOW ESTABLISHMENT	SY	1100	3	\$3,300.00	1.75	\$1,925.00	-41.67
7010	707420	WET MEADOW ESTABLISHMENT	SY	630	3	\$1,890.00	1.85	\$1,165.50	-38.33
7011	709100	TYPE A SOIL STABILIZATION MATTING	SY	2938	3	\$8,814.00	4.25	\$12,486.50	41.67
7012	709130	TYPE D SOIL STABILIZATION MATTING	SY	12575	5	\$62,875.00	6.5	\$81,737.50	30.00
7013	710150	TREE, SHRUB, AND PERENNIAL INSTALLATION AND ESTABLISHMENT	LS	1	125245	\$125,245.00	83000	\$83,000.00	-33.73
7014	715050	TREE ROOT PRUNING	LF	1048	10	\$10,480.00	6.5	\$6,812.00	-35.00
					\$	3,843,473.30	\$	4,895,086.20	27.36

Maryland Transportation Authority
 Contract Name: Drainage Outfall Rehabilitation
 Contract Number: MA-3018-0000R
 Bid Date: November 16, 2023

#NAME?

Bid Tabulation

Engineer's Estimate

Brawner Builders, Inc

ITEM NO.	CAT CODE	DESCRIPTION	UNITS	QUANTITY	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	+/- % of Est.
1001	100000	MISCELLANEOUS CONSTRUCTION ALLOWANCE	AL	1	100000	\$100,000.00	100000	\$100,000.00	0.00
1002	100000	RAILROAD EXPENSE ALLOWANCE	AL	1	30000	\$30,000.00	30000	\$30,000.00	0.00
1003	100000	DIRECT HIRE-CONTRACTOR PROTECTIVE SERVICES EXPENSE ALLOWANCE	AL	1	50000	\$50,000.00	50000	\$50,000.00	0.00
1004	100000	ADDITIONAL PROTECTION VEHICLE	UD	36	350	\$12,600.00	350	\$12,600.00	0.00
1005	110100	CLEARING & GRUBBING	LS	1	99750	\$99,750.00	250000	\$250,000.00	150.63
1006	110360	TYPE C ENGINEERS OFFICE	LS	1	50000	\$50,000.00	200000	\$200,000.00	300.00
1007	110500	PRICE ADJUSTMENT FOR DIESEL FUEL	EA	10000	1	\$10,000.00	1	\$10,000.00	0.00
1008	114216	5 INCH YELLOW REMOVABLE PAVEMENT LINE MARKINGS	LF	1360	2	\$2,720.00	3.5	\$4,760.00	75.00
1009	114221	5 INCH WHITE REMOVABLE PAVEMENT LINE MARKINGS	LF	15735	2	\$31,470.00	3.5	\$55,072.50	75.00
1010	114276	REMOVAL OF REMOVABLE PAVEMENT MARKING LINES - ANY WIDTH	LF	15735	1	\$15,735.00	2	\$31,470.00	100.00
1011	114302	8 INCH BLACK OUT TAPE LINES	LF	7310	4	\$29,240.00	4.5	\$32,895.00	12.50
1012	114304	12 INCH BLACK OUT TAPE LINES	LF	4000	5	\$20,000.00	8	\$32,000.00	60.00
1013	114306	REMOVAL OF BLACK OUT TAPE LINES-ANY WIDTH	LF	11310	1	\$11,310.00	2.5	\$28,275.00	150.00
1014	120500	MAINTENANCE OF TRAFFIC	LS	1	391125	\$391,125.00	450000	\$450,000.00	15.05
1015	120610	ARROW PANEL	UD	61	50	\$3,050.00	50	\$3,050.00	0.00
1016	120625	TEMPORARY TRAFFIC SIGNS HIGH PERFORMANCE WIDE ANGLE RETROREFLECTIVE SHEETING	SF	3200	25	\$80,000.00	30	\$96,000.00	20.00
1017	120715	RESET PRECAST TEMPORARY CONCRETE TRAFFIC BARRIER FOR MAINTENANCE OF TRAFFIC	LF	4280	10	\$42,800.00	14	\$59,920.00	40.00
1018	120717	REFLECTIVE BARRIER MARKERS	EA	140	25	\$3,500.00	20	\$2,800.00	-20.00
1019	120743	TYPE III BARRICADE FOR MAINTENANCE OF TRAFFIC	EA	2	325	\$650.00	500	\$1,000.00	53.85
1020	120750	TEMPORARY CRASH CUSHION SAND FILLED PLASTIC BARRELS FOR MAINTENANCE OF TRAFFIC	BBL	126	400	\$50,400.00	375	\$47,250.00	-6.25
1021	120772	SIGN MODIFICATIONS TO OVERHEAD SIGN STRUCTURES	SF	17	250	\$4,250.00	60	\$1,020.00	-76.00
1022	120784	TEMPORARY ORANGE CONSTRUCTION FENCE	LF	6985	3	\$20,955.00	3	\$20,955.00	0.00
1023	120820	DRUMS FOR MAINTENANCE OF TRAFFIC	EA	712	85	\$60,520.00	80	\$56,960.00	-5.88
1024	121150	PRECAST TEMPORARY 32 INCH F SHAPE CONCRETE TRAFFIC BARRIER	LF	3125	40	\$125,000.00	55	\$171,875.00	37.50
1025	130840	CONSTRUCTION STAKEOUT	LS	1	56000	\$56,000.00	75000	\$75,000.00	33.93
1026	130875	MOBILIZATION AND DEMOBILIZATION	LS	1	238750	\$238,750.00	363000	\$363,000.00	52.04
1027	131010	TYPE B - CRITICAL PATH METHOD (CPM) SCHEDULE FOR TYPICAL PROJECTS	LS	1	20000	\$20,000.00	50000	\$50,000.00	150.00
2001	200000	ALLOWANCE FOR HANDLING AND DISPOSAL OF CONTAMINATED MATERIAL	AL	1	50000	\$50,000.00	50000	\$50,000.00	0.00
2002	201031	CLASS 1-A EXCAVATION	CY	25	55	\$1,375.00	250	\$6,250.00	354.55
2003	201032	CLASS 2 EXCAVATION	CY	2500	55	\$137,500.00	125	\$312,500.00	127.27
2004	202065	COMMON BORROW	CY	310	75	\$23,250.00	90	\$27,900.00	20.00
2005	203030	TEST PIT EXCAVATION	CY	9	500	\$4,500.00	200	\$1,800.00	-60.00
2006	210030	REMOVAL OF EXISTING MASONRY	CY	11	250	\$2,750.00	225	\$2,475.00	-10.00
3001	300000	FURNISH AND INSTALL CIPP LINER FOR 24 INCH PIPE	LF	829	525	\$435,225.00	500	\$414,500.00	-4.76
3002	300000	PVC LINER FOR RIPRAP	SF	435	5	\$2,175.00	35	\$15,225.00	600.00
3003	300000	CLASS I CHANNEL BED MATERIAL	CY	13	225	\$2,925.00	220	\$2,860.00	-2.22
3004	300000	CLASS II CHANNEL BED MATERIAL	CY	174	225	\$39,150.00	120	\$20,880.00	-46.67
3005	300000	TIMBER MATTING	SY	415	80	\$33,200.00	85	\$35,275.00	6.25
3006	300000	TEMPORARY MULCH ACCESS ROAD	SY	281	20	\$5,620.00	50	\$14,050.00	150.00
3007	300000	CLEAN EXISTING CONCRETE CHANNEL	LF	315	10	\$3,150.00	16	\$5,040.00	60.00
3008	300000	DEWATERING FOR EROSION AND SEDIMENT CONTROL	LS	1	49500	\$49,500.00	100000	\$100,000.00	102.02
3009	301008	STABILIZED CONSTRUCTION ENTRANCE	EA	15	4500	\$67,500.00	5000	\$75,000.00	11.11
3010	301210	REMOVAL OF EXISTING PIPE	LF	288	37.5	\$10,800.00	16	\$4,608.00	-57.33
3011	301311	MIX 2 CONCRETE FOR MISCELLANEOUS STRUCTURES	CY	60	750	\$45,000.00	850	\$51,000.00	13.33
3012	301315	MIX 3 CONCRETE FOR MISCELLANEOUS STRUCTURES	CY	3	1100	\$3,300.00	1000	\$3,000.00	-9.09
3013	301360	MIX NO. 9 CONCRETE FOR MISCELLANEOUS STRUCTURES	CY	7	900	\$6,300.00	600	\$4,200.00	-33.33
3014	302415	15 INCH REINFORCED CONCRETE PIPE, CLASS IV	LF	46	105	\$4,830.00	200	\$9,200.00	90.48
3015	302418	18 INCH REINFORCED CONCRETE PIPE, CLASS IV	LF	123	130	\$15,990.00	210	\$25,830.00	61.54
3016	302424	24 INCH REINFORCED CONCRETE PIPE, CLASS IV	LF	214	145	\$31,030.00	200	\$42,800.00	37.93
3017	334115	15 INCH CORRUGATED POLYETHYLENE PIPE ELBOW (ANY ANGLE)	EA	6	375	\$2,250.00	40	\$240.00	-89.33
3018	334118	18 INCH CORRUGATED POLYETHYLENE PIPE ELBOW (ANY ANGLE)	EA	8	425	\$3,400.00	50	\$400.00	-88.24
3019	334124	24 INCH CORRUGATED POLYETHYLENE PIPE ELBOW (ANY ANGLE)	EA	8	550	\$4,400.00	65	\$520.00	-88.18
3020	340012	12 INCH CORRUGATED POLYETHYLENE PIPE, TYPE S	LF	6	80	\$480.00	60	\$360.00	-25.00
3021	340015	15 INCH CORRUGATED POLYETHYLENE PIPE, TYPE S	LF	212	80	\$16,960.00	70	\$14,840.00	-12.50
3022	340018	18 INCH CORRUGATED POLYETHYLENE PIPE, TYPE S	LF	227	100	\$22,700.00	100	\$22,700.00	0.00
3023	340024	24 INCH CORRUGATED POLYETHYLENE PIPE, TYPE S	LF	304	120	\$36,480.00	120	\$36,480.00	0.00
3024	354415	STANDARD TYPE C ENDWALL FOR 15 INCH PIPE	EA	3	3750	\$11,250.00	3500	\$10,500.00	-6.67
3025	354418	STANDARD TYPE C ENDWALL FOR 18 INCH PIPE	EA	4	4250	\$17,000.00	4000	\$16,000.00	-5.88
3026	354424	STANDARD TYPE C ENDWALL FOR 24 INCH PIPE	EA	8	4750	\$38,000.00	4200	\$33,600.00	-11.58
3027	368815	15 INCH STANDARD CONCRETE END SECTION	EA	1	1250	\$1,250.00	1000	\$1,000.00	-20.00
3028	368818	18 INCH STANDARD CONCRETE END SECTION	EA	1	1500	\$1,500.00	1200	\$1,200.00	-20.00
3029	378175	STANDARD SINGLE OPENING TYPE K INLET OPEN END GRATE-MINIMUM DEPTH	EA	1	5250	\$5,250.00	4000	\$4,000.00	-23.81

3030	378178	STANDARD SINGLE OPENING TYPE K INLET OPEN END GRATE-VERTICAL DEPTH	LF	1	400	\$400.00	300	\$300.00	-25.00
3031	379120	STANDARD TYPE S INLET, DOUBLE GRATE TANDEM - MINIMUM DEPTH	EA	6	6250	\$37,500.00	4500	\$27,000.00	-28.00
3032	379122	STANDARD TYPE S INLET, DOUBLE GRATE TANDEM - VERTICAL DEPTH	LF	23	400	\$9,200.00	200	\$4,600.00	-50.00
3033	380510	STANDARD SHALLOW MANHOLE 4 FT SQUARE WITH TYPE D FRAME AND COVER-MINIMUM DEPTH	EA	1	7000	\$7,000.00	7500	\$7,500.00	7.14
3034	380520	STANDARD SHALLOW MANHOLE 4 FT SQUARE-VERTICAL DEPTH	LF	4	500	\$2,000.00	350	\$1,400.00	-30.00
3035	380600	48 INCH DIAMETER MANHOLE FOR 12 INCH TO 24 INCH PIPES - MINIMUM DEPTH	EA	7	7500	\$52,500.00	10500	\$73,500.00	40.00
3036	380605	48 INCH DIAMETER MANHOLE - VERTICAL DEPTH	LF	14	400	\$5,600.00	300	\$4,200.00	-25.00
3037	380620	72 INCH DIAMETER MANHOLE FOR 42 INCH AND 48 INCH PIPES - MINIMUM DEPTH	EA	1	10000	\$10,000.00	20000	\$20,000.00	100.00
3038	380625	72 INCH DIAMETER MANHOLE - VERTICAL DEPTH	LF	2	600	\$1,200.00	500	\$1,000.00	-16.67
3039	380850	ADJUST EXISTING MANHOLE	EA	1	3000	\$3,000.00	1000	\$1,000.00	-66.67
3040	387167	TEMPORARY ACCESS BRIDGE	LS	1	16000	\$16,000.00	7500	\$7,500.00	-53.13
3041	387175	12 INCH CLEAR WATER DIVERSION PIPE	LF	1325	35	\$46,375.00	75	\$99,375.00	114.29
3042	387180	15 INCH CLEAR WATER DIVERSION PIPE	LF	421	45	\$18,945.00	80	\$33,680.00	77.78
3043	387185	18 INCH CLEAR WATER DIVERSION PIPE	LF	412	55	\$22,660.00	85	\$35,020.00	54.55
3044	387190	24 INCH CLEAR WATER DIVERSION PIPE	LF	357	65	\$23,205.00	95	\$33,915.00	46.15
3045	388066	INLET PROTECTION	EA	2	500	\$1,000.00	350	\$700.00	-30.00
3046	389105	5 INCH CONCRETE DITCH	SY	50	160	\$8,000.00	150	\$7,500.00	-6.25
3047	389436	36 INCH GABION	CY	44	400	\$17,600.00	450	\$19,800.00	12.50
3048	390321	CLASS I RIPRAP FOR SLOPE AND CHANNEL PROTECTION	SY	483	160	\$77,280.00	225	\$108,675.00	40.63
3049	390330	RIPRAP FOR SEDIMENT CONTROL	TON	131	85	\$11,135.00	80	\$10,480.00	-5.88
3050	390350	2 INCH TO 3 INCH STONE FOR SEDIMENT CONTROL	TON	2	150	\$300.00	65	\$130.00	-56.67
3051	390525	SILT FENCE	LF	749	4.5	\$3,370.50	5	\$3,745.00	11.11
3052	390535	SUPER SILT FENCE	LF	1969	12	\$23,628.00	18	\$35,442.00	50.00
3053	391001	BOTTOM CUTOFF WALLS FOR CLASS I RIPRAP	LF	130	70	\$9,100.00	20	\$2,600.00	-71.43
3054	30000	TURBIDITY MONITORING	LS	1	36500	\$36,500.00	25000	\$25,000.00	-31.51
4001	410005	MAINTENANCE OF STREAM FLOW	LS	1	52000	\$52,000.00	50000	\$50,000.00	-3.85
4002	410205	REMOVAL OF PORTIONS OF EXISTING STRUCTURE	LS	1	5000	\$5,000.00	5000	\$5,000.00	0.00
5001	549110	5 INCH WHITE PAVEMENT MARKING TAPE	LF	10	50	\$500.00	3	\$30.00	-94.00
6001	606017	TRAFFIC BARRIER W-BEAM ONE-SIDED END TREATMENT (TYPE C)	EA	4	4500	\$18,000.00	4000	\$16,000.00	-11.11
6002	606025	TRAFFIC BARRIER W-BEAM ONE-SIDED DOWNSTREAM END TREATMENT TYPE K	EA	7	1750	\$12,250.00	1900	\$13,300.00	8.57
6003	606081	TRAFFIC BARRIER W-BEAM RADIUS ANCHORAGE (TYPE L)	EA	2	2000	\$4,000.00	1200	\$2,400.00	-40.00
6004	620142	42 INCH F SHAPE CONCRETE MEDIAN TRAFFIC BARRIER BIFURCATED FROM 0 INCH TO 1 FOOT 6 INCHES	LF	9	1750	\$15,750.00	600	\$5,400.00	-65.71
6005	634131	STANDARD TYPE C CURB 8 INCH X 11 INCH MINIMUM	LF	126	50	\$6,300.00	80	\$10,080.00	60.00
6006	660482	TRAFFIC BARRIER W BEAM USING 6 FOOT POST	LF	201	50	\$10,050.00	35	\$7,035.00	-30.00
6007	662182	REMOVE AND RESET EXISTING TRAFFIC BARRIER W BEAM	LF	1328	25	\$33,200.00	10	\$13,280.00	-60.00
6008	662326	REMOVE EXISTING END TREATMENT	EA	1	1000	\$1,000.00	1200	\$1,200.00	20.00
6009	690134	6 FOOT GALVANIZED CHAIN LINK FENCE WITH BLACK BONDED VINYL COATING	LF	167	50	\$8,350.00	42	\$7,014.00	-16.00
6010	691290	TERMINAL POST FOR 5 FOOT GALVANIZED CHAIN LINK FENCE WITH BLACK BONDED VINYL COATING	EA	2	500	\$1,000.00	250	\$500.00	-50.00
6011	691292	TERMINAL POST FOR 6 FOOT GALVANIZED CHAIN LINK FENCE WITH BLACK BONDED VINYL COATING	EA	8	500	\$4,000.00	200	\$1,600.00	-60.00
6012	692210	6 FOOT GATE FOR 5 FOOT GALVANIZED CHAIN LINK FENCE WITH BLACK BONDED VINYL COATING	EA	1	1400	\$1,400.00	1500	\$1,500.00	7.14
6013	692212	6 FOOT GATE FOR 6 FOOT GALVANIZED CHAIN LINK FENCE WITH BLACK BONDED VINYL COATING	EA	3	1500	\$4,500.00	2500	\$7,500.00	66.67
6014	695183	REMOVE AND RESET EXISTING FENCE	LF	418	25	\$10,450.00	15	\$6,270.00	-40.00
6015	695190	REMOVE AND DISPOSE OF EXISTING FENCE	LF	168	10	\$1,680.00	9	\$1,512.00	-10.00
7001	700000	NON-NATIVE INVASIVE SPECIES CONTROL	LS	1	20000	\$20,000.00	20000	\$20,000.00	0.00
7002	704325	PLACING FURNISHED TOPSOIL 2 INCH DEPTH	SY	6536	6	\$39,216.00	8	\$52,288.00	33.33
7003	704345	PLACING FURNISHED TOPSOIL 4 INCH DEPTH	SY	17780	9	\$160,020.00	14	\$248,920.00	55.56
7004	705412	TEMPORARY MULCH	SY	28520	0.75	\$21,390.00	2	\$57,040.00	166.67
7005	705500	TURFGRASS ESTABLISHMENT	SY	11741	2	\$23,482.00	1.5	\$17,611.50	-25.00
7006	705565	REFERTILIZING	SY	11741	0.8	\$9,392.80	1	\$11,741.00	25.00
7007	706110	LOWLAND SHRUB SEEDING	SY	275	3	\$825.00	3	\$825.00	0.00
7008	707400	UPLAND MEADOW ESTABLISHMENT	SY	11120	2.5	\$27,800.00	2	\$22,240.00	-20.00
7009	707410	LOWLAND MEADOW ESTABLISHMENT	SY	1100	3	\$3,300.00	2	\$2,200.00	-33.33
7010	707420	WET MEADOW ESTABLISHMENT	SY	630	3	\$1,890.00	1.5	\$945.00	-50.00
7011	709100	TYPE A SOIL STABILIZATION MATTING	SY	2938	3	\$8,814.00	4	\$11,752.00	33.33
7012	709130	TYPE D SOIL STABILIZATION MATTING	SY	12575	5	\$62,875.00	6	\$75,450.00	20.00
7013	710150	TREE, SHRUB, AND PERENNIAL INSTALLATION AND ESTABLISHMENT	LS	1	125245	\$125,245.00	100000	\$100,000.00	-20.16
7014	715050	TREE ROOT PRUNING	LF	1048	10	\$10,480.00	10	\$10,480.00	0.00
						\$ 3,843,473.30		\$4,947,311.00	28.72

Bid Tabulation

ITEM NO.	CAT CODE	DESCRIPTION	UNITS	QUANTITY	Engineer's Estimate		Veterans Kitchen Maintenance, Inc. t/a VKM Contracting		+/- % of Est.
					UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	
1001	100000	MISCELLANEOUS CONSTRUCTION ALLOWANCE	AL	1	100000	\$100,000.00	100000	\$100,000.00	0.00
1002	100000	RAILROAD EXPENSE ALLOWANCE	AL	1	30000	\$30,000.00	30000	\$30,000.00	0.00
1003	100000	DIRECT HIRE-CONTRACTOR PROTECTIVE SERVICES EXPENSE ALLOWANCE	AL	1	50000	\$50,000.00	50000	\$50,000.00	0.00
1004	100000	ADDITIONAL PROTECTION VEHICLE	UD	36	350	\$12,600.00	380	\$13,680.00	8.57
1005	110100	CLEARING & GRUBBING	LS	1	99750	\$99,750.00	65800	\$65,800.00	-34.04
1006	110360	TYPE C ENGINEERS OFFICE	LS	1	50000	\$50,000.00	125600	\$125,600.00	151.20
1007	110500	PRICE ADJUSTMENT FOR DIESEL FUEL	EA	10000	1	\$10,000.00	1	\$10,000.00	0.00
1008	114216	5 INCH YELLOW REMOVABLE PAVEMENT LINE MARKINGS	LF	1360	2	\$2,720.00	6	\$8,160.00	200.00
1009	114221	5 INCH WHITE REMOVABLE PAVEMENT LINE MARKINGS	LF	15735	2	\$31,470.00	6	\$94,410.00	200.00
1010	114276	REMOVAL OF REMOVABLE PAVEMENT MARKING LINES - ANY WIDTH	LF	15735	1	\$15,735.00	1.5	\$23,602.50	50.00
1011	114302	8 INCH BLACK OUT TAPE LINES	LF	7310	4	\$29,240.00	6.5	\$47,515.00	62.50
1012	114304	12 INCH BLACK OUT TAPE LINES	LF	4000	5	\$20,000.00	8.5	\$34,000.00	70.00
1013	114306	REMOVAL OF BLACK OUT TAPE LINES-ANY WIDTH	LF	11310	1	\$11,310.00	2	\$22,620.00	100.00
1014	120500	MAINTENANCE OF TRAFFIC	LS	1	391125	\$391,125.00	395100	\$395,100.00	1.02
1015	120610	ARROW PANEL	UD	61	50	\$3,050.00	41	\$2,501.00	-18.00
1016	120625	TEMPORARY TRAFFIC SIGNS HIGH PERFORMANCE WIDE ANGLE RETROREFLECTIVE SHEETING	SF	3200	25	\$80,000.00	32	\$102,400.00	28.00
1017	120715	RESET PRECAST TEMPORARY CONCRETE TRAFFIC BARRIER FOR MAINTENANCE OF TRAFFIC	LF	4280	10	\$42,800.00	23	\$98,440.00	130.00
1018	120717	REFLECTIVE BARRIER MARKERS	EA	140	25	\$3,500.00	18	\$2,520.00	-28.00
1019	120743	TYPE III BARRICADE FOR MAINTENANCE OF TRAFFIC	EA	2	325	\$650.00	800	\$1,600.00	146.15
1020	120750	TEMPORARY CRASH CUSHION SAND FILLED PLASTIC BARRELS FOR MAINTENANCE OF TRAFFIC	BBL	126	400	\$50,400.00	475	\$59,850.00	18.75
1021	120772	SIGN MODIFICATIONS TO OVERHEAD SIGN STRUCTURES	SF	17	250	\$4,250.00	550	\$9,350.00	120.00
1022	120784	TEMPORARY ORANGE CONSTRUCTION FENCE	LF	6985	3	\$20,955.00	7	\$48,895.00	133.33
1023	120820	DRUMS FOR MAINTENANCE OF TRAFFIC	EA	712	85	\$60,520.00	98	\$69,776.00	15.29
1024	121150	PRECAST TEMPORARY 32 INCH F SHAPE CONCRETE TRAFFIC BARRIER	LF	3125	40	\$125,000.00	95	\$296,875.00	137.50
1025	130840	CONSTRUCTION STAKEOUT	LS	1	56000	\$56,000.00	95800	\$95,800.00	71.07
1026	130875	MOBILIZATION AND DEMOBILIZATION	LS	1	238750	\$238,750.00	500000	\$500,000.00	109.42
1027	131010	TYPE B - CRITICAL PATH METHOD (CPM) SCHEDULE FOR TYPICAL PROJECTS	LS	1	20000	\$20,000.00	28500	\$28,500.00	42.50
2001	200000	ALLOWANCE FOR HANDLING AND DISPOSAL OF CONTAMINATED MATERIAL	AL	1	50000	\$50,000.00	50000	\$50,000.00	0.00
2002	201031	CLASS 1-A EXCAVATION	CY	25	55	\$1,375.00	200	\$5,000.00	263.64
2003	201032	CLASS 2 EXCAVATION	CY	2500	55	\$137,500.00	68	\$170,000.00	23.64
2004	202065	COMMON BORROW	CY	310	75	\$23,250.00	125	\$38,750.00	66.67
2005	203030	TEST PIT EXCAVATION	CY	9	500	\$4,500.00	500	\$4,500.00	0.00
2006	210030	REMOVAL OF EXISTING MASONRY	CY	11	250	\$2,750.00	300	\$3,300.00	20.00
3001	300000	FURNISH AND INSTALL CIPP LINER FOR 24 INCH PIPE	LF	829	525	\$435,225.00	420	\$348,180.00	-20.00
3002	300000	PVC LINER FOR RIPRAP	SF	435	5	\$2,175.00	26	\$11,310.00	420.00
3003	300000	CLASS I CHANNEL BED MATERIAL	CY	13	225	\$2,925.00	330	\$4,290.00	46.67
3004	300000	CLASS II CHANNEL BED MATERIAL	CY	174	225	\$39,150.00	390	\$67,860.00	73.33
3005	300000	TIMBER MATTING	SY	415	80	\$33,200.00	72	\$29,880.00	-10.00
3006	300000	TEMPORARY MULCH ACCESS ROAD	SY	281	20	\$5,620.00	33	\$9,273.00	65.00
3007	300000	CLEAN EXISTING CONCRETE CHANNEL	LF	315	10	\$3,150.00	22	\$6,930.00	120.00
3008	300000	DEWATERING FOR EROSION AND SEDIMENT CONTROL	LS	1	49500	\$49,500.00	68000	\$68,000.00	37.37
3009	301008	STABILIZED CONSTRUCTION ENTRANCE	EA	15	4500	\$67,500.00	5800	\$87,000.00	28.89
3010	301210	REMOVAL OF EXISTING PIPE	LF	288	37.5	\$10,800.00	48	\$13,824.00	28.00
3011	301311	MIX 2 CONCRETE FOR MISCELLANEOUS STRUCTURES	CY	60	750	\$45,000.00	700	\$42,000.00	-6.67
3012	301315	MIX 3 CONCRETE FOR MISCELLANEOUS STRUCTURES	CY	3	1100	\$3,300.00	800	\$2,400.00	-27.27
3013	301360	MIX NO. 9 CONCRETE FOR MISCELLANEOUS STRUCTURES	CY	7	900	\$6,300.00	800	\$5,600.00	-11.11
3014	302415	15 INCH REINFORCED CONCRETE PIPE, CLASS IV	LF	46	105	\$4,830.00	200	\$9,200.00	90.48
3015	302418	18 INCH REINFORCED CONCRETE PIPE, CLASS IV	LF	123	130	\$15,990.00	220	\$27,060.00	69.23
3016	302424	24 INCH REINFORCED CONCRETE PIPE, CLASS IV	LF	214	145	\$31,030.00	290	\$62,060.00	100.00
3017	334115	15 INCH CORRUGATED POLYETHYLENE PIPE ELBOW (ANY ANGLE)	EA	6	375	\$2,250.00	950	\$5,700.00	153.33
3018	334118	18 INCH CORRUGATED POLYETHYLENE PIPE ELBOW (ANY ANGLE)	EA	8	425	\$3,400.00	950	\$7,600.00	123.53
3019	334124	24 INCH CORRUGATED POLYETHYLENE PIPE ELBOW (ANY ANGLE)	EA	8	550	\$4,400.00	950	\$7,600.00	72.73
3020	340012	12 INCH CORRUGATED POLYETHYLENE PIPE, TYPE S	LF	6	80	\$480.00	850	\$5,100.00	962.50
3021	340015	15 INCH CORRUGATED POLYETHYLENE PIPE, TYPE S	LF	212	80	\$16,960.00	210	\$44,520.00	162.50
3022	340018	18 INCH CORRUGATED POLYETHYLENE PIPE, TYPE S	LF	227	100	\$22,700.00	220	\$49,940.00	120.00
3023	340024	24 INCH CORRUGATED POLYETHYLENE PIPE, TYPE S	LF	304	120	\$36,480.00	240	\$72,960.00	100.00
3024	354415	STANDARD TYPE C ENDWALL FOR 15 INCH PIPE	EA	3	3750	\$11,250.00	7820	\$23,460.00	108.53

Bid Tabulation

ITEM NO.	CAT CODE	DESCRIPTION	UNITS	QUANTITY	Engineer's Estimate		Veterans Kitchen Maintenance, Inc. t/a VKM Contracting		+/- % of Est.
					UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	
3025	354418	STANDARD TYPE C ENDWALL FOR 18 INCH PIPE	EA	4	4250	\$17,000.00	8850	\$35,400.00	108.24
3026	354424	STANDARD TYPE C ENDWALL FOR 24 INCH PIPE	EA	8	4750	\$38,000.00	9648	\$77,184.00	103.12
3027	368815	15 INCH STANDARD CONCRETE END SECTION	EA	1	1250	\$1,250.00	1800	\$1,800.00	44.00
3028	368818	18 INCH STANDARD CONCRETE END SECTION	EA	1	1500	\$1,500.00	2200	\$2,200.00	46.67
3029	378175	STANDARD SINGLE OPENING TYPE K INLET OPEN END GRATE-MINIMUM DEPTH	EA	1	5250	\$5,250.00	7800	\$7,800.00	48.57
3030	378178	STANDARD SINGLE OPENING TYPE K INLET OPEN END GRATE-VERTICAL DEPTH	LF	1	400	\$400.00	680	\$680.00	70.00
3031	379120	STANDARD TYPE S INLET, DOUBLE GRATE TANDEM - MINIMUM DEPTH	EA	6	6250	\$37,500.00	12500	\$75,000.00	100.00
3032	379122	STANDARD TYPE S INLET, DOUBLE GRATE TANDEM - VERTICAL DEPTH	LF	23	400	\$9,200.00	680	\$15,640.00	70.00
3033	380510	STANDARD SHALLOW MANHOLE 4 FT SQUARE WITH TYPE D FRAME AND COVER-MINIMUM DEPTH	EA	1	7000	\$7,000.00	9500	\$9,500.00	35.71
3034	380520	STANDARD SHALLOW MANHOLE 4 FT SQUARE-VERTICAL DEPTH	LF	4	500	\$2,000.00	680	\$2,720.00	36.00
3035	380600	48 INCH DIAMETER MANHOLE FOR 12 INCH TO 24 INCH PIPES - MINIMUM DEPTH	EA	7	7500	\$52,500.00	7600	\$53,200.00	1.33
3036	380605	48 INCH DIAMETER MANHOLE - VERTICAL DEPTH	LF	14	400	\$5,600.00	450	\$6,300.00	12.50
3037	380620	72 INCH DIAMETER MANHOLE FOR 42 INCH AND 48 INCH PIPES - MINIMUM DEPTH	EA	1	10000	\$10,000.00	5900	\$5,900.00	-41.00
3038	380625	72 INCH DIAMETER MANHOLE - VERTICAL DEPTH	LF	2	600	\$1,200.00	850	\$1,700.00	41.67
3039	380850	ADJUST EXISTING MANHOLE	EA	1	3000	\$3,000.00	350	\$350.00	-88.33
3040	387167	TEMPORARY ACCESS BRIDGE	LS	1	16000	\$16,000.00	15600	\$15,600.00	-2.50
3041	387175	12 INCH CLEAR WATER DIVERSION PIPE	LF	1325	35	\$46,375.00	55	\$72,875.00	57.14
3042	387180	15 INCH CLEAR WATER DIVERSION PIPE	LF	421	45	\$18,945.00	68	\$28,628.00	51.11
3043	387185	18 INCH CLEAR WATER DIVERSION PIPE	LF	412	55	\$22,660.00	78	\$32,136.00	41.82
3044	387190	24 INCH CLEAR WATER DIVERSION PIPE	LF	357	65	\$23,205.00	88	\$31,416.00	35.38
3045	388066	INLET PROTECTION	EA	2	500	\$1,000.00	880	\$1,760.00	76.00
3046	389105	5 INCH CONCRETE DITCH	SY	50	160	\$8,000.00	210	\$10,500.00	31.25
3047	389436	36 INCH GABION	CY	44	400	\$17,600.00	425	\$18,700.00	6.25
3048	390321	CLASS I RIPRAP FOR SLOPE AND CHANNEL PROTECTION	SY	483	160	\$77,280.00	310	\$149,730.00	93.75
3049	390330	RIPRAP FOR SEDIMENT CONTROL	TON	131	85	\$11,135.00	95	\$12,445.00	11.76
3050	390350	2 INCH TO 3 INCH STONE FOR SEDIMENT CONTROL	TON	2	150	\$300.00	100	\$200.00	-33.33
3051	390525	SILT FENCE	LF	749	4.5	\$3,370.50	5	\$3,745.00	11.11
3052	390535	SUPER SILT FENCE	LF	1969	12	\$23,628.00	16	\$31,504.00	33.33
3053	391001	BOTTOM CUTOFF WALLS FOR CLASS I RIPRAP	LF	130	70	\$9,100.00	180	\$23,400.00	157.14
3054	30000	TURBIDITY MONITORING	LS	1	36500	\$36,500.00	15000	\$15,000.00	-58.90
4001	410005	MAINTENANCE OF STREAM FLOW	LS	1	52000	\$52,000.00	96350	\$96,350.00	85.29
4002	410205	REMOVAL OF PORTIONS OF EXISTING STRUCTURE	LS	1	5000	\$5,000.00	22300	\$22,300.00	346.00
5001	549110	5 INCH WHITE PAVEMENT MARKING TAPE	LF	10	50	\$500.00	55	\$550.00	10.00
6001	606017	TRAFFIC BARRIER W-BEAM ONE-SIDED END TREATMENT (TYPE C)	EA	4	4500	\$18,000.00	5825	\$23,300.00	29.44
6002	606025	TRAFFIC BARRIER W-BEAM ONE-SIDED DOWNSTREAM END TREATMENT TYPE K	EA	7	1750	\$12,250.00	1460	\$10,220.00	-16.57
6003	606081	TRAFFIC BARRIER W-BEAM RADIUS ANCHORAGE (TYPE L)	EA	2	2000	\$4,000.00	2950	\$5,900.00	47.50
6004	620142	42 INCH F SHAPE CONCRETE MEDIAN TRAFFIC BARRIER BIFURCATED FROM 0 INCH TO 1 FOOT 6 INCHES	LF	9	1750	\$15,750.00	1450	\$13,050.00	-17.14
6005	634131	STANDARD TYPE C CURB 8 INCH X 11 INCH MINIMUM	LF	126	50	\$6,300.00	58	\$7,308.00	16.00
6006	660482	TRAFFIC BARRIER W BEAM USING 6 FOOT POST	LF	201	50	\$10,050.00	49	\$9,849.00	-2.00
6007	662182	REMOVE AND RESET EXISTING TRAFFIC BARRIER W BEAM	LF	1328	25	\$33,200.00	33	\$43,824.00	32.00
6008	662326	REMOVE EXISTING END TREATMENT	EA	1	1000	\$1,000.00	3900	\$3,900.00	290.00
6009	690134	6 FOOT GALVANIZED CHAIN LINK FENCE WITH BLACK BONDED VINYL COATING	LF	167	50	\$8,350.00	83	\$13,861.00	66.00
6010	691290	TERMINAL POST FOR 5 FOOT GALVANIZED CHAIN LINK FENCE WITH BLACK BONDED VINYL COATING	EA	2	500	\$1,000.00	410	\$820.00	-18.00
6011	691292	TERMINAL POST FOR 6 FOOT GALVANIZED CHAIN LINK FENCE WITH BLACK BONDED VINYL COATING	EA	8	500	\$4,000.00	410	\$3,280.00	-18.00
6012	692210	6 FOOT GATE FOR 5 FOOT GALVANIZED CHAIN LINK FENCE WITH BLACK BONDED VINYL COATING	EA	1	1400	\$1,400.00	2315	\$2,315.00	65.36
6013	692212	6 FOOT GATE FOR 6 FOOT GALVANIZED CHAIN LINK FENCE WITH BLACK BONDED VINYL COATING	EA	3	1500	\$4,500.00	2316	\$6,948.00	54.40
6014	695183	REMOVE AND RESET EXISTING FENCE	LF	418	25	\$10,450.00	38	\$15,884.00	52.00
6015	695190	REMOVE AND DISPOSE OF EXISTING FENCE	LF	168	10	\$1,680.00	16	\$2,688.00	60.00
7001	700000	NON-NATIVE INVASIVE SPECIES CONTROL	LS	1	20000	\$20,000.00	15300	\$15,300.00	-23.50
7002	704325	PLACING FURNISHED TOPSOIL 2 INCH DEPTH	SY	6536	6	\$39,216.00	7	\$45,752.00	16.67
7003	704345	PLACING FURNISHED TOPSOIL 4 INCH DEPTH	SY	17780	9	\$160,020.00	9	\$160,020.00	0.00
7004	705412	TEMPORARY MULCH	SY	28520	0.75	\$21,390.00	1	\$28,520.00	33.33
7005	705500	TURFGRASS ESTABLISHMENT	SY	11741	2	\$23,482.00	3	\$35,223.00	50.00
7006	705565	REFERTILIZING	SY	11741	0.8	\$9,392.80	1.5	\$17,611.50	87.50
7007	706110	LOWLAND SHRUB SEEDING	SY	275	3	\$825.00	8	\$2,200.00	166.67
7008	707400	UPLAND MEADOW ESTABLISHMENT	SY	11120	2.5	\$27,800.00	6	\$66,720.00	140.00
7009	707410	LOWLAND MEADOW ESTABLISHMENT	SY	1100	3	\$3,300.00	6	\$6,600.00	100.00
7010	707420	WET MEADOW ESTABLISHMENT	SY	630	3	\$1,890.00	6	\$3,780.00	100.00
7011	709100	TYPE A SOIL STABILIZATION MATTING	SY	2938	3	\$8,814.00	3.8	\$11,164.40	26.67
7012	709130	TYPE D SOIL STABILIZATION MATTING	SY	12575	5	\$62,875.00	8	\$100,600.00	60.00
7013	710150	TREE, SHRUB, AND PERENNIAL INSTALLATION AND ESTABLISHMENT	LS	1	125245	\$125,245.00	148000	\$148,000.00	18.17
7014	715050	TREE ROOT PRUNING	LF	1048	10	\$10,480.00	3.5	\$3,668.00	-65.00
						\$ 3,843,473.30		\$ 5,290,810.40	37.66

Bid Tabulation

ITEM NO.	CAT CODE	DESCRIPTION	UNITS	QUANTITY	Engineer's Estimate		Six-M Company, Inc.		+/- % of Est.
					UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	
1001	100000	MISCELLANEOUS CONSTRUCTION ALLOWANCE	AL	1	100000	\$100,000.00	100000	\$100,000.00	0.00
1002	100000	RAILROAD EXPENSE ALLOWANCE	AL	1	30000	\$30,000.00	30000	\$30,000.00	0.00
1003	100000	DIRECT HIRE-CONTRACTOR PROTECTIVE SERVICES EXPENSE ALLOWANCE	AL	1	50000	\$50,000.00	50000	\$50,000.00	0.00
1004	100000	ADDITIONAL PROTECTION VEHICLE	UD	36	350	\$12,600.00	401	\$14,436.00	14.57
1005	110100	CLEARING & GRUBBING	LS	1	99750	\$99,750.00	315000	\$315,000.00	215.79
1006	110360	TYPE C ENGINEERS OFFICE	LS	1	50000	\$50,000.00	135000	\$135,000.00	170.00
1007	110500	PRICE ADJUSTMENT FOR DIESEL FUEL	EA	10000	1	\$10,000.00	1	\$10,000.00	0.00
1008	114216	5 INCH YELLOW REMOVABLE PAVEMENT LINE MARKINGS	LF	1360	2	\$2,720.00	1.75	\$2,380.00	-12.50
1009	114221	5 INCH WHITE REMOVABLE PAVEMENT LINE MARKINGS	LF	15735	2	\$31,470.00	1.55	\$24,389.25	-22.50
1010	114276	REMOVAL OF REMOVABLE PAVEMENT MARKING LINES - ANY WIDTH	LF	15735	1	\$15,735.00	0.45	\$7,080.75	-55.00
1011	114302	8 INCH BLACK OUT TAPE LINES	LF	7310	4	\$29,240.00	3.65	\$26,681.50	-8.75
1012	114304	12 INCH BLACK OUT TAPE LINES	LF	4000	5	\$20,000.00	5.4	\$21,600.00	8.00
1013	114306	REMOVAL OF BLACK OUT TAPE LINES-ANY WIDTH	LF	11310	1	\$11,310.00	0.45	\$5,089.50	-55.00
1014	120500	MAINTENANCE OF TRAFFIC	LS	1	391125	\$391,125.00	790000	\$790,000.00	101.98
1015	120610	ARROW PANEL	UD	61	50	\$3,050.00	38.5	\$2,348.50	-23.00
1016	120625	TEMPORARY TRAFFIC SIGNS HIGH PERFORMANCE WIDE ANGLE RETROREFLECTIVE SHEETING	SF	3200	25	\$80,000.00	18.7	\$59,840.00	-25.20
1017	120715	RESET PRECAST TEMPORARY CONCRETE TRAFFIC BARRIER FOR MAINTENANCE OF TRAFFIC	LF	4280	10	\$42,800.00	15	\$64,200.00	50.00
1018	120717	REFLECTIVE BARRIER MARKERS	EA	140	25	\$3,500.00	33	\$4,620.00	32.00
1019	120743	TYPE III BARRICADE FOR MAINTENANCE OF TRAFFIC	EA	2	325	\$650.00	231	\$462.00	-28.92
1020	120750	TEMPORARY CRASH CUSHION SAND FILLED PLASTIC BARRELS FOR MAINTENANCE OF TRAFFIC	BBL	126	400	\$50,400.00	330	\$41,580.00	-17.50
1021	120772	SIGN MODIFICATIONS TO OVERHEAD SIGN STRUCTURES	SF	17	250	\$4,250.00	82.5	\$1,402.50	-67.00
1022	120784	TEMPORARY ORANGE CONSTRUCTION FENCE	LF	6985	3	\$20,955.00	4.4	\$30,734.00	46.67
1023	120820	DRUMS FOR MAINTENANCE OF TRAFFIC	EA	712	85	\$60,520.00	93.3	\$66,429.60	9.76
1024	121150	PRECAST TEMPORARY 32 INCH F SHAPE CONCRETE TRAFFIC BARRIER	LF	3125	40	\$125,000.00	49.9	\$155,937.50	24.75
1025	130840	CONSTRUCTION STAKEOUT	LS	1	56000	\$56,000.00	122500	\$122,500.00	118.75
1026	130875	MOBILIZATION AND DEMOBILIZATION	LS	1	238750	\$238,750.00	475000	\$475,000.00	98.95
1027	131010	TYPE B - CRITICAL PATH METHOD (CPM) SCHEDULE FOR TYPICAL PROJECTS	LS	1	20000	\$20,000.00	35500	\$35,500.00	77.50
2001	200000	ALLOWANCE FOR HANDLING AND DISPOSAL OF CONTAMINATED MATERIAL	AL	1	50000	\$50,000.00	50000	\$50,000.00	0.00
2002	201031	CLASS 1-A EXCAVATION	CY	25	55	\$1,375.00	119	\$2,975.00	116.36
2003	201032	CLASS 2 EXCAVATION	CY	2500	55	\$137,500.00	82.1	\$205,250.00	49.27
2004	202065	COMMON BORROW	CY	310	75	\$23,250.00	63.4	\$19,654.00	-15.47
2005	203030	TEST PIT EXCAVATION	CY	9	500	\$4,500.00	559	\$5,031.00	11.80
2006	210030	REMOVAL OF EXISTING MASONRY	CY	11	250	\$2,750.00	597	\$6,567.00	138.80
3001	300000	FURNISH AND INSTALL CIPP LINER FOR 24 INCH PIPE	LF	829	525	\$435,225.00	345	\$286,005.00	-34.29
3002	300000	PVC LINER FOR RIPRAP	SF	435	5	\$2,175.00	5.95	\$2,588.25	19.00
3003	300000	CLASS I CHANNEL BED MATERIAL	CY	13	225	\$2,925.00	263	\$3,419.00	16.89
3004	300000	CLASS II CHANNEL BED MATERIAL	CY	174	225	\$39,150.00	246	\$42,804.00	9.33
3005	300000	TIMBER MATTING	SY	415	80	\$33,200.00	176	\$73,040.00	120.00
3006	300000	TEMPORARY MULCH ACCESS ROAD	SY	281	20	\$5,620.00	41.8	\$11,745.80	109.00
3007	300000	CLEAN EXISTING CONCRETE CHANNEL	LF	315	10	\$3,150.00	20.7	\$6,520.50	107.00
3008	300000	DEWATERING FOR EROSION AND SEDIMENT CONTROL	LS	1	49500	\$49,500.00	65000	\$65,000.00	31.31
3009	301008	STABILIZED CONSTRUCTION ENTRANCE	EA	15	4500	\$67,500.00	3520	\$52,800.00	-21.78
3010	301210	REMOVAL OF EXISTING PIPE	LF	288	37.5	\$10,800.00	58.3	\$16,790.40	55.47
3011	301311	MIX 2 CONCRETE FOR MISCELLANEOUS STRUCTURES	CY	60	750	\$45,000.00	1280	\$76,800.00	70.67
3012	301315	MIX 3 CONCRETE FOR MISCELLANEOUS STRUCTURES	CY	3	1100	\$3,300.00	4970	\$14,910.00	351.82
3013	301360	MIX NO. 9 CONCRETE FOR MISCELLANEOUS STRUCTURES	CY	7	900	\$6,300.00	4620	\$32,340.00	413.33
3014	302415	15 INCH REINFORCED CONCRETE PIPE, CLASS IV	LF	46	105	\$4,830.00	125	\$5,750.00	19.05
3015	302418	18 INCH REINFORCED CONCRETE PIPE, CLASS IV	LF	123	130	\$15,990.00	167	\$20,541.00	28.46
3016	302424	24 INCH REINFORCED CONCRETE PIPE, CLASS IV	LF	214	145	\$31,030.00	183	\$39,162.00	26.21
3017	334115	15 INCH CORRUGATED POLYETHYLENE PIPE ELBOW (ANY ANGLE)	EA	6	375	\$2,250.00	703	\$4,218.00	87.47
3018	334118	18 INCH CORRUGATED POLYETHYLENE PIPE ELBOW (ANY ANGLE)	EA	8	425	\$3,400.00	751	\$6,008.00	76.71
3019	334124	24 INCH CORRUGATED POLYETHYLENE PIPE ELBOW (ANY ANGLE)	EA	8	550	\$4,400.00	951	\$7,608.00	72.91
3020	340012	12 INCH CORRUGATED POLYETHYLENE PIPE, TYPE S	LF	6	80	\$480.00	386	\$2,316.00	382.50
3021	340015	15 INCH CORRUGATED POLYETHYLENE PIPE, TYPE S	LF	212	80	\$16,960.00	131	\$27,772.00	63.75
3022	340018	18 INCH CORRUGATED POLYETHYLENE PIPE, TYPE S	LF	227	100	\$22,700.00	142	\$32,234.00	42.00
3023	340024	24 INCH CORRUGATED POLYETHYLENE PIPE, TYPE S	LF	304	120	\$36,480.00	159	\$48,336.00	32.50
3024	354415	STANDARD TYPE C ENDWALL FOR 15 INCH PIPE	EA	3	3750	\$11,250.00	2970	\$8,910.00	-20.80

Bid Tabulation

ITEM NO.	CAT CODE	DESCRIPTION	Engineer's Estimate				Six-M Company, Inc.		+/- % of Est.
			UNITS	QUANTITY	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	
3025	354418	STANDARD TYPE C ENDWALL FOR 18 INCH PIPE	EA	4	4250	\$17,000.00	3210	\$12,840.00	-24.47
3026	354424	STANDARD TYPE C ENDWALL FOR 24 INCH PIPE	EA	8	4750	\$38,000.00	3970	\$31,760.00	-16.42
3027	368815	15 INCH STANDARD CONCRETE END SECTION	EA	1	1250	\$1,250.00	1140	\$1,140.00	-8.80
3028	368818	18 INCH STANDARD CONCRETE END SECTION	EA	1	1500	\$1,500.00	1310	\$1,310.00	-12.67
3029	378175	STANDARD SINGLE OPENING TYPE K INLET OPEN END GRATE-MINIMUM DEPTH	EA	1	5250	\$5,250.00	7150	\$7,150.00	36.19
3030	378178	STANDARD SINGLE OPENING TYPE K INLET OPEN END GRATE-VERTICAL DEPTH	LF	1	400	\$400.00	808	\$808.00	102.00
3031	379120	STANDARD TYPE S INLET, DOUBLE GRATE TANDEM - MINIMUM DEPTH	EA	6	6250	\$37,500.00	11100	\$66,600.00	77.60
3032	379122	STANDARD TYPE S INLET, DOUBLE GRATE TANDEM - VERTICAL DEPTH	LF	23	400	\$9,200.00	858	\$19,734.00	114.50
3033	380510	STANDARD SHALLOW MANHOLE 4 FT SQUARE WITH TYPE D FRAME AND COVER-MINIMUM DEPTH	EA	1	7000	\$7,000.00	7190	\$7,190.00	2.71
3034	380520	STANDARD SHALLOW MANHOLE 4 FT SQUARE-VERTICAL DEPTH	LF	4	500	\$2,000.00	921	\$3,684.00	84.20
3035	380600	48 INCH DIAMETER MANHOLE FOR 12 INCH TO 24 INCH PIPES - MINIMUM DEPTH	EA	7	7500	\$52,500.00	15100	\$105,700.00	101.33
3036	380605	48 INCH DIAMETER MANHOLE - VERTICAL DEPTH	LF	14	400	\$5,600.00	526	\$7,364.00	31.50
3037	380620	72 INCH DIAMETER MANHOLE FOR 42 INCH AND 48 INCH PIPES - MINIMUM DEPTH	EA	1	10000	\$10,000.00	18400	\$18,400.00	84.00
3038	380625	72 INCH DIAMETER MANHOLE - VERTICAL DEPTH	LF	2	600	\$1,200.00	948	\$1,896.00	58.00
3039	380850	ADJUST EXISTING MANHOLE	EA	1	3000	\$3,000.00	9590	\$9,590.00	219.67
3040	387167	TEMPORARY ACCESS BRIDGE	LS	1	16000	\$16,000.00	54345.8	\$54,345.80	239.66
3041	387175	12 INCH CLEAR WATER DIVERSION PIPE	LF	1325	35	\$46,375.00	29.5	\$39,087.50	-15.71
3042	387180	15 INCH CLEAR WATER DIVERSION PIPE	LF	421	45	\$18,945.00	34	\$14,314.00	-24.44
3043	387185	18 INCH CLEAR WATER DIVERSION PIPE	LF	412	55	\$22,660.00	37.9	\$15,614.80	-31.09
3044	387190	24 INCH CLEAR WATER DIVERSION PIPE	LF	357	65	\$23,205.00	52.2	\$18,635.40	-19.69
3045	388066	INLET PROTECTION	EA	2	500	\$1,000.00	597	\$1,194.00	19.40
3046	389105	5 INCH CONCRETE DITCH	SY	50	160	\$8,000.00	159	\$7,950.00	-0.63
3047	389436	36 INCH GABION	CY	44	400	\$17,600.00	893	\$39,292.00	123.25
3048	390321	CLASS I RIPRAP FOR SLOPE AND CHANNEL PROTECTION	SY	483	160	\$77,280.00	99.2	\$47,913.60	-38.00
3049	390330	RIPRAP FOR SEDIMENT CONTROL	TON	131	85	\$11,135.00	134	\$17,554.00	57.65
3050	390350	2 INCH TO 3 INCH STONE FOR SEDIMENT CONTROL	TON	2	150	\$300.00	207	\$414.00	38.00
3051	390525	SILT FENCE	LF	749	4.5	\$3,370.50	6.05	\$4,531.45	34.44
3052	390535	SUPER SILT FENCE	LF	1969	12	\$23,628.00	22.6	\$44,499.40	88.33
3053	391001	BOTTOM CUTOFF WALLS FOR CLASS I RIPRAP	LF	130	70	\$9,100.00	66.5	\$8,645.00	-5.00
3054	30000	TURBIDITY MONITORING	LS	1	36500	\$36,500.00	11000	\$11,000.00	-69.86
4001	410005	MAINTENANCE OF STREAM FLOW	LS	1	52000	\$52,000.00	180000	\$180,000.00	246.15
4002	410205	REMOVAL OF PORTIONS OF EXISTING STRUCTURE	LS	1	5000	\$5,000.00	15000	\$15,000.00	200.00
5001	549110	5 INCH WHITE PAVEMENT MARKING TAPE	LF	10	50	\$500.00	165	\$1,650.00	230.00
6001	606017	TRAFFIC BARRIER W-BEAM ONE-SIDED END TREATMENT (TYPE C)	EA	4	4500	\$18,000.00	5500	\$22,000.00	22.22
6002	606025	TRAFFIC BARRIER W-BEAM ONE-SIDED DOWNSTREAM END TREATMENT TYPE K	EA	7	1750	\$12,250.00	2860	\$20,020.00	63.43
6003	606081	TRAFFIC BARRIER W-BEAM RADIUS ANCHORAGE (TYPE L)	EA	2	2000	\$4,000.00	2420	\$4,840.00	21.00
6004	620142	42 INCH F SHAPE CONCRETE MEDIAN TRAFFIC BARRIER BIFURCATED FROM 0 INCH TO 1 FOOT 6 INCHES	LF	9	1750	\$15,750.00	1180	\$10,620.00	-32.57
6005	634131	STANDARD TYPE C CURB 8 INCH X 11 INCH MINIMUM	LF	126	50	\$6,300.00	128	\$16,128.00	156.00
6006	660482	TRAFFIC BARRIER W BEAM USING 6 FOOT POST	LF	201	50	\$10,050.00	44	\$8,844.00	-12.00
6007	662182	REMOVE AND RESET EXISTING TRAFFIC BARRIER W BEAM	LF	1328	25	\$33,200.00	22	\$29,216.00	-12.00
6008	662326	REMOVE EXISTING END TREATMENT	EA	1	1000	\$1,000.00	1650	\$1,650.00	65.00
6009	690134	6 FOOT GALVANIZED CHAIN LINK FENCE WITH BLACK BONDED VINYL COATING	LF	167	50	\$8,350.00	55	\$9,185.00	10.00
6010	691290	TERMINAL POST FOR 5 FOOT GALVANIZED CHAIN LINK FENCE WITH BLACK BONDED VINYL COATING	EA	2	500	\$1,000.00	165	\$330.00	-67.00
6011	691292	TERMINAL POST FOR 6 FOOT GALVANIZED CHAIN LINK FENCE WITH BLACK BONDED VINYL COATING	EA	8	500	\$4,000.00	165	\$1,320.00	-67.00
6012	692210	6 FOOT GATE FOR 5 FOOT GALVANIZED CHAIN LINK FENCE WITH BLACK BONDED VINYL COATING	EA	1	1400	\$1,400.00	1320	\$1,320.00	-5.71
6013	692212	6 FOOT GATE FOR 6 FOOT GALVANIZED CHAIN LINK FENCE WITH BLACK BONDED VINYL COATING	EA	3	1500	\$4,500.00	1320	\$3,960.00	-12.00
6014	695183	REMOVE AND RESET EXISTING FENCE	LF	418	25	\$10,450.00	110	\$45,980.00	340.00
6015	695190	REMOVE AND DISPOSE OF EXISTING FENCE	LF	168	10	\$1,680.00	27.5	\$4,620.00	175.00
7001	700000	NON-NATIVE INVASIVE SPECIES CONTROL	LS	1	20000	\$20,000.00	14300	\$14,300.00	-28.50
7002	704325	PLACING FURNISHED TOPSOIL 2 INCH DEPTH	SY	6536	6	\$39,216.00	7.15	\$46,732.40	19.17
7003	704345	PLACING FURNISHED TOPSOIL 4 INCH DEPTH	SY	17780	9	\$160,020.00	13.5	\$240,030.00	50.00
7004	705412	TEMPORARY MULCH	SY	28520	0.75	\$21,390.00	1.15	\$32,798.00	53.33
7005	705500	TURFGRASS ESTABLISHMENT	SY	11741	2	\$23,482.00	1.5	\$17,611.50	-25.00
7006	705565	REFERTILIZING	SY	11741	0.8	\$9,392.80	0.85	\$9,979.85	6.25
7007	706110	LOWLAND SHRUB SEEDING	SY	275	3	\$825.00	3.05	\$838.75	1.67
7008	707400	UPLAND MEADOW ESTABLISHMENT	SY	11120	2.5	\$27,800.00	1.8	\$20,016.00	-28.00
7009	707410	LOWLAND MEADOW ESTABLISHMENT	SY	1100	3	\$3,300.00	1.8	\$1,980.00	-40.00
7010	707420	WET MEADOW ESTABLISHMENT	SY	630	3	\$1,890.00	1.95	\$1,228.50	-35.00
7011	709100	TYPE A SOIL STABILIZATION MATTING	SY	2938	3	\$8,814.00	4.4	\$12,927.20	46.67
7012	709130	TYPE D SOIL STABILIZATION MATTING	SY	12575	5	\$62,875.00	6.6	\$82,995.00	32.00
7013	710150	TREE, SHRUB, AND PERENNIAL INSTALLATION AND ESTABLISHMENT	LS	1	125245	\$125,245.00	85500	\$85,500.00	-31.73
7014	715050	TREE ROOT PRUNING	LF	1048	10	\$10,480.00	6.6	\$6,916.80	-34.00
						\$ 3,843,473.30	\$ 5,340,000.00	38.94	



Maryland
Transportation
Authority

CAPITAL COMMITTEE PROJECT SUMMARY

MR-3020-0000 On-Call Facility Repairs

PIN NUMBER 2523
CONTRACT NUMBER MR-3020-0000
CONTRACT TITLE On-Call Facility Repairs

PROJECT SUMMARY The scope of this project includes providing all labor, equipment, and materials necessary in performing miscellaneous Facility and other types of repairs, upgrades, replacements, and new construction as directed by the MDTA Project Manager in an On-Call or Task based manner at all MDTA facilities. Work could include all building components, such as roof, ceiling, flooring, interior and exterior finishes, foundations, walls, windows and doors, electrical, plumbing, mechanical, fire alarm systems, security systems, automation systems, Data/IT, elevators, etc. Work might also include underground fuel storage tanks, on-site utilities, and hazardous materials removal, etc.

SCHEDULE

ADVERTISEMENT DATE 10/30/2023
ANTICIPATED NOTICE TO PROCEED DATE Apr-24
DURATION (CALENDER DAYS) 1,825

MBE PARTICIPATION

OVERALL MBE
AFRICAN AMERICAN
ASIAN AMERICAN
HISPANIC AMERICAN
WOMEN
VSBE

	(\$) Advertised GOAL (%)	Proposed GOAL (%)
OVERALL MBE	18.00%	19.50%
AFRICAN AMERICAN	-	-
ASIAN AMERICAN	-	-
HISPANIC AMERICAN	-	-
WOMEN	-	-
VSBE	1.00%	1.00%

ENGINEER'S ESTIMATE (EE) \$5,000,350.00

BID RESULTS

BID PROTEST YES NO

FUNDING SOURCE 100.00% TOLL REVENUE

	BID AMOUNT (\$)	% VARIANCE TO EE
Mid-Atlantic General Contractors, Inc.	\$4,984,475.00	0%
Unisource Services LLC.	\$5,530,098.00	11%
Brawner Builders, Inc.	\$6,645,550.00	33%
Nichols Contracting, Inc.	\$8,143,813.50	63%



Maryland
Transportation
Authority

CAPITAL COMMITTEE PROJECT SUMMARY

HT-3018-000-0000 - I-895 Resurfacing North and South of BHT

PIN NUMBER 0240
CONTRACT NUMBER HT-3018-0000
CONTRACT TITLE I-895 Resurfacing North and South of BHT

PROJECT SUMMARY This contract is for safety and resurfacing along the I-895 corridor. The work includes but is not limited to roadway resurfacing, drainage structure cleaning and w-beam traffic barrier replacement to meet current standards. The project consists of two sections, the Southern section and Northern section. The southern section runs from the gore area for the I-895 / I-95 interchange ramps in Howard County to approximately mile marker 4.8 on I-895 in Baltimore County. The northern section runs from approximately mile marker 13.5 on I-895 to the gore area for the I-895 / I-95 interchange in Baltimore City.

SCHEDULE

ADVERTISEMENT DATE 5/10/2023
ANTICIPATED NOTICE TO PROCEED DATE Apr-24
DURATION (CALENDER DAYS) 540

MBE PARTICIPATION

OVERALL MBE
AFRICAN AMERICAN
ASIAN AMERICAN
HISPANIC AMERICAN
WOMEN
NATIVE AMERICAN

VSBE

(**\$**)
Advertised
GOAL (%) **Proposed**
GOAL (%)

29.00%	29.00%
8.00%	8.00%
0.00%	4.15%
0.00%	9.73%
11.00%	11.00%
0.00%	0.00%
1.00%	1.00%

ENGINEER'S ESTIMATE (EE) \$11,359,505.00

BID RESULTS

P. Flanigan & Son, Inc.
Allan Myers MD, Inc.
Gray & son, Inc.

BID AMOUNT (\$) **% VARIANCE TO EE**

\$10,588,797.75	-7%
\$11,677,811.00	3%
\$14,444,440.00	27%

BID PROTEST YES NO

FUNDING SOURCE 100.00% TOLL REVENUE