



Public Works

1522 Texas Parkway
Missouri City, Texas 77489

Phone: 281.403.8500
www.missouricitytx.gov

May 18, 2021

PO 153912
DMS
REC 579647

Stacy Slawinski, P.E.
Fort Bend County Engineer
301 Jackson Street
Richmond, Texas 77469
Via Email: Jillian Peterson

RE: Knight Road Extension – Mobility Bond Project No. 13206

Dear Mr. Slawinski:

The City of Missouri City and Fort Bend County have a fully executed Interlocal Agreement for the above referenced project.

The City received bids for the construction of the project and have awarded a contract to RAC Industries, LLC, who was the lowest most responsive bidder in the amount of \$7,544,746.10. I attached our Council Memo for the Contract Award for your convenience.

As per the agreement section 4.D the City is requesting final payment from the County for these improvements in the amount of two million eight hundred thousand (\$2,800,000.00) dollars.

Please feel free to contact me should you have any questions.

ok to pay JP 05/24/2021

Sincerely,

Mark Law
Project Manager



CITY COUNCIL AGENDA ITEM COVER MEMO

May 17, 2021

To: Mayor and City Council

Agenda Item: 9(b) Authorize the City Manager to execute a contract with RAC Industries, LLC for the Knight Road Extension Project.

Submitted by: Shashi K. Kumar, P.E., Director of Public Works and City Engineer

SYNOPSIS

Staff requests authorization for the City Manager to execute a contract with RAC Industries, LLC for the Knight Road Extension Project.

STRATEGIC PLAN 2019 GOALS ADDRESSED

- Create a great place to live
- Maintain a financially sound City

BACKGROUND

In March 2021, Public Works along with the Purchasing Division, prepared and advertised an Invitation for Bid – IFB No. 21-315 “ Knight Road Extension”. Notices were published on the Electronic State Business Daily, Demand Star, City’s website and local newspaper. City staff received 12 responses to this solicitation with pricing ranging from \$7,544,746.10 to \$9,498,550.40 (See Bid Tabulation Enclosed).

RAC Industries, LLC was the lowest most responsive bidder with a total bid of \$7,544,746.10 with an anticipated 390 days to completion. The City’s contracted engineering firm (Kaluza Inc.) completed the process of reviewing the bids submitted and made a recommendation, of which the City Staff concurs, to award the bid and this project to RAC Industries, LLC.

RAC Industries LLC has successfully completed projects with the City in the past including Thomas Taylor Parkway, Ashmont Drive and Turtle Creek Drive.

This project was approved in the 2013 Fort Bend County (FBC) mobility bond election. As part of the Interlocal Agreement (approved by Council on May 15, 2017) with Fort Bend County, FBC will contribute up to 50% or \$2,800,000.00 towards engineering and construction of this project. The City will contribute the remaining amount as approved in FY2018, 5 year CIP plan. Receipt of Fort bend County funds is expected within 30-60 days of award of the subject contract.

BUDGET/FISCAL ANALYSIS

The project will be funded by the \$2,650,000 2018 bond proceeds, \$2,800,000 reimbursement from the County, and the balance paid by the Metro fund with the potential for reimbursement from a future bond sale. A portion of this project will be submitted as a potential project to be funded with

the 2021 Bond Election. The Metro Fund will use existing fund balance for the project with a reimbursement resolution coming before City Council in the future. The resolution will be presented prior to the expenditure of Metro Funds and only if the bond election is approved by the voters with funding allocated towards this project.

Funding Source	Account Number	Project Code/Name	FY21 Funds Budgeted	FY21 Funds Available	Amount Requested
2018 General Obligation	410-58700-40-403-50086	50086/Knight Road Extension	\$2,650,000	\$2,650,000.	\$2,650,000
Transportation /Drainage	403-58700-15-999-50086	50086/Knight Road Extension	\$2,890,457	\$2,607,202	\$2,607,202
Metro Fund *	401-58700-15-999-50086-	50086/Knight Road Extension	\$0	\$0	\$2,287,544

***Existing funds of \$1,102,028 will be transferred into the project from another account and a budget amendment of \$1,185,516 has been requested on the 5.17.2021 Budget Amendment. If amendment is approved, total funds for the project is \$2,287,544.**

Purchasing Review: Shannon Pleasant – Procurement & Risk Manager
Financial/Budget Review: *Bertha P. Alexander, Budget & Financial Reporting Manager*

Note: Compliance with the conflict of interest questionnaire requirements, if applicable, and the interested party disclosure requirements (HB 1295) has been confirmed/is pending within 30-days of this Council action and prior to execution.

SUPPORTING MATERIALS

1. Engineer Recommendation
2. Bid Tabulation
3. Project Location Map

STAFF'S RECOMMENDATION

Authorize the City Manager to executed a contract with RAC Industries, LLC for the Knight Road Extension Project in the amount of \$7,544,746.10

Director Approval: Shashi K. Kumar, P.E.

**Assistant City Manager/
City Manager Approval:** Glen A. Martel, ACM



Consulting Engineers & Surveyors
Engineering Firm No. F-1339 | Surveying Firm No. 10010000
3014 Avenue I, Rosenberg, Texas 77471
(281) 341-0808 ■ FAX (281) 341-6333

May 4, 2021

Mr. Mark Law
Project Manager
City of Missouri City
1522 Texas Parkway
Missouri City, TX 77489

RE: Engineer's Recommendation of Award of Construction Contract for Knight Road Extension, City of Missouri City, Fort Bend County, Texas (Bid No. 21-315)

Dear Mr. Law:

Construction bids were received and formally opened at 2:00 p.m. on Tuesday, April 27, 2021 for the above-referenced project. A total of twelve (12) construction bids were received and opened.

Enclosed for your review, file, and distribution the bid spreadsheet tabulating the construction bids received. A summary of the bids with the Base Bid amount, Supplemental Items, and the number of calendar days for the project are as follows:

<u>Contractor</u>	<u>Total Amt. Base Bid</u>	<u>Total Amt. Supp. Items</u>	<u>Total Amt. Bid</u>	<u>Total No. Cal. Days</u>
RAC Industries, LLC	\$7,477,446.10	\$67,300.00	\$7,544,746.10	390
R Construction Civil	\$7,572,296.70	\$83,960.00	\$7,656,256.70	385
Hurtado Construction Co.	\$8,068,374.82	\$107,960.00	\$8,176,334.82	680
Mar-Con Services, LLC	\$8,102,147.35	\$82,312.00	\$8,184,459.35	480
Triple B Services, LLP	\$8,191,595.60	\$91,610.00	\$8,283,205.60	410
SER Construction Partners, LLC	\$8,242,762.60	\$85,400.00	\$8,328,162.60	430
Main Lane Industries, Ltd	\$8,587,044.00	\$98,040.00	\$8,685,084.00	365
WadeCon, LLC	\$8,836,679.00	\$77,360.00	\$8,914,039.00	540
Aranda Brothers Construction Co.	\$8,888,157.15	\$95,320.00	\$8,983,477.15	520
James Construction Group, LLC	\$8,907,838.73	\$125,510.92	\$9,033,349.65	540
Durwood Greene Construction Co.	\$9,377,660.50	\$96,500.00	\$9,474,160.50	560
Conrad Construction Co.	\$9,403,250.40	\$95,300.00	\$9,498,550.40	675

The bids were checked for completeness and mathematical errors. RAC Industries, LLC and R Construction Civil both made a written error, R Construction Civil, Hurtado Construction Co., and WadeCon, LLC each made a mathematical error and a written error, Aranda Brothers Construction Co made three mathematical errors, and Mar-Con Services, LLC made five mathematical errors; however, none of these errors affected bidder status. RAC Industries, LLC was low bidder for the project. We have worked with RAC Industries, LLC in the past and find them competent to complete this project.

Mr. Mark Law
City of Missouri City
May 4, 2021
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We are recommending that the City of Missouri City accept the construction bids received on the project and enter into a construction contract with RAC Industries, LLC for the Base Bid and Supplemental Items in the amount of \$7,544,746.10. If you have any questions, please contact me.

Sincerely,

KALUZA, INC.



Duane H. Whitehead, P.E., Vice President
Project Engineer

DHW/msg
Enclosures

cc: Shashi Kumar, City of Missouri City Engineer
Jeremy Davis, City of Missouri City Assistant City Engineer
Jonathan Harris, City of Missouri City
RAC Industries, LLC

BIDDERS:			RAC INDUSTRIES		R CONSTRUCTION CIVIL		HURTADO CONSTRUCTION		MAR-CON SERVICES		TRIPLE B SERVICES		SER CONSTRUCTION		MAIN LANE INDUSTRIES		WADECON, LLC		ARANDA BROTHERS		JAMES CONSTRUCTION		DURWOOD GREENE		CONRAD CONSTRUCTION		
I. BASE BID - PAVING, DRAINAGE & WATER LINE IMPROVEMENTS			EST. QTY	UNIT	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	
ITEM DESCRIPTION																											
1	SAWCUT EXIST. PAVEMENT	571	LF	\$ 5.00	\$ 2,855.00	\$ 30.00	\$ 17,130.00	\$ 9.88	\$ 5,641.48	\$ 5.00	\$ 2,855.00	\$ 10.00	\$ 5,710.00	\$ 8.00	\$ 4,568.00	\$ 5.00	\$ 2,855.00	\$ 10.00	\$ 5,710.00	\$ 7.00	\$ 3,997.00	\$ 3.00	\$ 1,713.00	\$ 15.00	\$ 8,565.00	\$ 8.00	\$ 4,568.00
2	UNDERCUT EXIST. PAVEMENT	311	LF	\$ 15.00	\$ 4,665.00	\$ 15.00	\$ 4,665.00	\$ 6.88	\$ 2,139.68	\$ 13.10	\$ 4,074.10	\$ 15.50	\$ 4,820.50	\$ 18.60	\$ 5,784.60	\$ 10.00	\$ 3,110.00	\$ 10.00	\$ 3,110.00	\$ 9.00	\$ 2,799.00	\$ 10.96	\$ 3,408.56	\$ 50.00	\$ 15,550.00	\$ 12.00	\$ 3,732.00
3	REMOVE/DISPOSE OF EXIST. ASPHALT PAVEMENT TO SUITABLE LANDFILL/APPROVED EQUAL	10,312	SY	\$ 1.20	\$ 12,374.40	\$ 5.00	\$ 51,560.00	\$ 6.88	\$ 70,946.56	\$ 3.80	\$ 39,185.60	\$ 4.40	\$ 45,372.80	\$ 9.90	\$ 102,088.80	\$ 3.00	\$ 30,936.00	\$ 2.00	\$ 20,624.00	\$ 10.00	\$ 103,120.00	\$ 3.64	\$ 37,535.68	\$ 17.00	\$ 175,304.00	\$ 5.00	\$ 51,560.00
4	REMOVE/DISPOSE OF EXIST. CONCRETE PAVEMENT TO SUITABLE LANDFILL/APPROVED EQUAL	398	SY	\$ 6.80	\$ 2,706.40	\$ 5.00	\$ 1,990.00	\$ 11.88	\$ 4,728.24	\$ 5.70	\$ 2,268.60	\$ 10.45	\$ 4,159.10	\$ 7.50	\$ 2,985.00	\$ 10.00	\$ 3,980.00	\$ 10.00	\$ 3,980.00	\$ 10.00	\$ 3,980.00	\$ 10.12	\$ 4,027.76	\$ 20.00	\$ 7,960.00	\$ 7.50	\$ 2,985.00
5	REMOVE/DISPOSE OF EXIST. STORM SEW. PIPE TO SUITABLE LANDFILL/APPROVED EQUAL	959	LF	\$ 26.00	\$ 24,934.00	\$ 15.00	\$ 14,385.00	\$ 4.48	\$ 4,296.32	\$ 13.30	\$ 12,754.70	\$ 22.00	\$ 21,098.00	\$ 22.00	\$ 21,098.00	\$ 15.00	\$ 14,385.00	\$ 20.00	\$ 19,180.00	\$ 20.00	\$ 19,180.00	\$ 22.98	\$ 22,037.82	\$ 45.00	\$ 43,155.00	\$ 15.00	\$ 14,385.00
6	REMOVE EXIST. METAL BEAM GUARD FENCE	248	LF	\$ 5.00	\$ 1,240.00	\$ 8.00	\$ 1,984.00	\$ 3.68	\$ 912.64	\$ 3.40	\$ 843.20	\$ 20.00	\$ 4,960.00	\$ 4.00	\$ 992.00	\$ 5.00	\$ 1,240.00	\$ 5.00	\$ 1,240.00	\$ 2.50	\$ 620.00	\$ 4.20	\$ 1,041.60	\$ 5.00	\$ 1,240.00	\$ 10.00	\$ 2,480.00
7	FILL, COMPACT, & REGRADE EXIST. DITCH	1,950	LF	\$ 5.80	\$ 11,310.00	\$ 7.00	\$ 13,650.00	\$ 3.88	\$ 7,566.00	\$ 13.70	\$ 26,715.00	\$ 3.00	\$ 5,850.00	\$ 7.00	\$ 13,650.00	\$ 12.00	\$ 23,400.00	\$ 20.00	\$ 39,000.00	\$ 17.00	\$ 33,150.00	\$ 9.12	\$ 17,784.00	\$ 15.00	\$ 29,250.00	\$ 20.00	\$ 39,000.00
8	CLEARING/PREP ROAD R-O-W TO INCL. DITCHES	16	AC	\$ 8,500.00	\$ 136,000.00	\$ 7,000.00	\$ 112,000.00	\$ 8,988.00	\$ 143,808.00	\$ 5,130.00	\$ 82,080.00	\$ 9,700.00	\$ 155,200.00	\$ 6,100.00	\$ 97,600.00	\$ 5,000.00	\$ 80,000.00	\$ 10,000.00	\$ 160,000.00	\$ 5,000.00	\$ 80,000.00	\$ 19,230.93	\$ 307,694.88	\$ 8,000.00	\$ 128,000.00	\$ 5,500.00	\$ 88,000.00
9	CLEAN/REGRADE EXIST. OUTFALL DITCH "A"	585	LF	\$ 23.00	\$ 13,455.00	\$ 7.00	\$ 4,095.00	\$ 10.88	\$ 6,364.80	\$ 8.30	\$ 4,855.50	\$ 6.25	\$ 3,656.25	\$ 9.30	\$ 5,440.50	\$ 15.00	\$ 8,775.00	\$ 20.00	\$ 11,700.00	\$ 15.00	\$ 8,775.00	\$ 7.56	\$ 4,422.60	\$ 45.00	\$ 26,325.00	\$ 25.00	\$ 14,625.00
10	BORE & JACK 24" WELDED STEEL ENCASEMENT PIPE (INCL. COST OF PIPE)	50	LF	\$ 420.00	\$ 21,000.00	\$ 300.00	\$ 15,000.00	\$ 448.00	\$ 22,400.00	\$ 438.80	\$ 21,940.00	\$ 335.00	\$ 16,750.00	\$ 340.00	\$ 17,000.00	\$ 500.00	\$ 25,000.00	\$ 200.00	\$ 10,000.00	\$ 320.00	\$ 16,000.00	\$ 506.82	\$ 25,341.00	\$ 440.00	\$ 22,000.00	\$ 400.00	\$ 20,000.00
11	16" PVC AWWA C-905, DR-18 WATER LINE, STANDARD BEDDING & BACKFILL	1,225	LF	\$ 74.00	\$ 90,650.00	\$ 80.00	\$ 98,000.00	\$ 86.88	\$ 106,428.00	\$ 92.80	\$ 113,680.00	\$ 96.00	\$ 117,600.00	\$ 85.00	\$ 104,125.00	\$ 110.00	\$ 134,750.00	\$ 85.00	\$ 104,125.00	\$ 150.00	\$ 183,750.00	\$ 108.69	\$ 133,145.25	\$ 100.00	\$ 122,500.00	\$ 235.00	\$ 287,875.00
12	16" PVC AWWA C-905, DR-18 WATER LINE, SPECIAL BEDDING & BACKFILL	55	LF	\$ 86.00	\$ 4,730.00	\$ 75.00	\$ 4,125.00	\$ 98.00	\$ 5,390.00	\$ 94.10	\$ 5,175.50	\$ 100.00	\$ 5,500.00	\$ 102.00	\$ 5,610.00	\$ 130.00	\$ 7,150.00	\$ 150.00	\$ 8,250.00	\$ 155.00	\$ 8,525.00	\$ 162.01	\$ 8,910.55	\$ 100.00	\$ 5,500.00	\$ 325.00	\$ 17,875.00
13	16" WATER LINE, BORE & JACK	30	LF	\$ 150.00	\$ 4,500.00	\$ 180.00	\$ 5,400.00	\$ 180.00	\$ 5,400.00	\$ 202.70	\$ 6,081.00	\$ 250.00	\$ 7,500.00	\$ 170.00	\$ 5,100.00	\$ 300.00	\$ 9,000.00	\$ 250.00	\$ 7,500.00	\$ 180.00	\$ 5,400.00	\$ 363.83	\$ 10,914.90	\$ 240.00	\$ 7,200.00	\$ 375.00	\$ 11,250.00
14	TRENCH BOX/SHORING OF WATER LINE EXCAV. PER OSHA STANDS. @ ALL REQRD. LOCATIONS	1,230	LF	\$ 3.80	\$ 4,674.00	\$ 0.10	\$ 123.00	\$ 0.88	\$ 1,082.40	\$ 0.30	\$ 369.00	\$ 0.25	\$ 307.50	\$ 0.10	\$ 123.00	\$ 1.00	\$ 1,230.00	\$ 1.00	\$ 1,230.00	\$ 1.00	\$ 1,230.00	\$ 1.39	\$ 1,709.70	\$ 1.50	\$ 1,845.00	\$ 1.00	\$ 1,230.00
15	16" X 16" TEE	1	EA	\$ 1,300.00	\$ 1,300.00	\$ 1,500.00	\$ 1,500.00	\$ 1,198.00	\$ 1,198.00	\$ 1,916.70	\$ 1,916.70	\$ 1,615.00	\$ 1,615.00	\$ 1,600.00	\$ 1,600.00	\$ 1,500.00	\$ 1,500.00	\$ 1,000.00	\$ 1,000.00	\$ 3,000.00	\$ 3,186.33	\$ 3,186.33	\$ 2,000.00	\$ 2,000.00	\$ 3,500.00	\$ 3,500.00	
16	16" X 6" TEE	2	EA	\$ 950.00	\$ 1,900.00	\$ 1,000.00	\$ 2,000.00	\$ 1,188.00	\$ 2,376.00	\$ 1,498.50	\$ 2,997.00	\$ 1,150.00	\$ 2,300.00	\$ 1,200.00	\$ 2,400.00	\$ 1,000.00	\$ 2,000.00	\$ 1,000.00	\$ 2,000.00	\$ 2,500.00	\$ 5,000.00	\$ 4,003.33	\$ 8,006.66	\$ 2,000.00	\$ 4,000.00	\$ 2,500.00	\$ 5,000.00
17	16" GATE VALVE & BOX W/CONCRETE PAD	3	EA	\$ 7,700.00	\$ 23,100.00	\$ 9,000.00	\$ 27,000.00	\$ 6,888.00	\$ 20,664.00	\$ 9,922.00	\$ 29,766.00	\$ 9,800.00	\$ 29,400.00	\$ 9,800.00	\$ 29,400.00	\$ 9,000.00	\$ 27,000.00	\$ 3,500.00	\$ 10,500.00	\$ 9,300.00	\$ 27,900.00	\$ 12,096.46	\$ 36,289.38	\$ 10,000.00	\$ 30,000.00	\$ 9,300.00	\$ 27,900.00
18	6" GATE VALVE & BOX W/CONCRETE PAD	2	EA	\$ 690.00	\$ 1,380.00	\$ 1,100.00	\$ 2,200.00	\$ 1,188.00	\$ 2,376.00	\$ 1,145.90	\$ 2,291.80	\$ 1,235.00	\$ 2,470.00	\$ 1,700.00	\$ 3,400.00	\$ 1,400.00	\$ 2,800.00	\$ 1,000.00	\$ 2,000.00	\$ 1,600.00	\$ 3,200.00	\$ 2,297.41	\$ 4,594.82	\$ 1,400.00	\$ 2,800.00	\$ 2,000.00	\$ 4,000.00
19	FIRE HYDRANT	2	EA	\$ 4,800.00	\$ 9,600.00	\$ 4,200.00	\$ 8,400.00	\$ 4,258.00	\$ 8,516.00	\$ 3,856.50	\$ 7,713.00	\$ 4,000.00	\$ 8,000.00	\$ 4,500.00	\$ 9,000.00	\$ 1,400.00	\$ 12,000.00	\$ 7,500.00	\$ 15,000.00	\$ 4,000.00	\$ 8,000.00	\$ 6,049.72	\$ 12,099.44	\$ 5,000.00	\$ 10,000.00	\$ 6,000.00	\$ 12,000.00

BIDDERS:			RAC INDUSTRIES		R CONSTRUCTION CIVIL		HURTADO CONSTRUCTION		MAR-CON SERVICES		TRIPLE B SERVICES		SER CONSTRUCTION		MAIN LANE INDUSTRIES		WADECON, LLC		ARANDA BROTHERS		JAMES CONSTRUCTION		DURWOOD GREENE		CONRAD CONSTRUCTION		
II. BASE BID - BRIDGE ITEMS - GCWA CANAL (30' X 65')			EST. QUANT	UNIT	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	
ITEM DESCRIPTION																											
93	ITEM 0400 6005 - CEMENT STABILIZED BACKFILL	48	CY	\$ 41.00	\$ 1,968.00	\$ 70.00	\$ 3,360.00	\$ 78.00	\$ 3,744.00	\$ 111.00	\$ 5,328.00	\$ 60.00	\$ 2,880.00	\$ 116.00	\$ 5,568.00	\$ 90.00	\$ 4,320.00	\$ 50.00	\$ 2,400.00	\$ 55.00	\$ 2,640.00	\$ 89.77	\$ 4,308.96	\$ 95.00	\$ 4,560.00	\$ 80.00	\$ 3,840.00
94	ITEM 0409 6002 - PRESTRESSED CONCRETE PILINGS (18 IN. SQ.)	696	LF	\$ 91.00	\$ 63,336.00	\$ 110.00	\$ 76,560.00	\$ 88.00	\$ 61,248.00	\$ 104.40	\$ 72,662.40	\$ 220.00	\$ 153,120.00	\$ 109.00	\$ 75,864.00	\$ 150.00	\$ 104,400.00	\$ 125.00	\$ 87,000.00	\$ 120.00	\$ 83,520.00	\$ 114.84	\$ 79,928.64	\$ 154.00	\$ 107,184.00	\$ 95.00	\$ 66,120.00
95	ITEM 0420 6013 - CLASS C CONCRETE ABUTEMENT	30.4	CY	\$ 500.00	\$ 15,200.00	\$ 1,300.00	\$ 39,520.00	\$ 1,270.00	\$ 38,608.00	\$ 1,005.10	\$ 30,555.04	\$ 1,700.00	\$ 51,680.00	\$ 1,300.00	\$ 39,520.00	\$ 1,600.00	\$ 48,640.00	\$ 1,500.00	\$ 45,600.00	\$ 1,000.00	\$ 30,400.00	\$ 1,016.19	\$ 30,892.18	\$ 1,700.00	\$ 51,680.00	\$ 1,500.00	\$ 45,600.00
96	ITEM 0422 6005 - REINFORCE CONCRETE SLAB (BOX BEAM)	2,221	SF	\$ 16.00	\$ 35,536.00	\$ 30.00	\$ 66,630.00	\$ 19.88	\$ 44,153.48	\$ 12.80	\$ 28,428.80	\$ 14.50	\$ 32,204.50	\$ 27.00	\$ 59,967.00	\$ 18.00	\$ 39,978.00	\$ 25.00	\$ 55,525.00	\$ 10.00	\$ 22,210.00	\$ 19.56	\$ 43,442.76	\$ 18.00	\$ 39,978.00	\$ 22.00	\$ 48,862.00
97	ITEM 0422 6011 - BRIDGE MEDIAN	255	SF	\$ 10.00	\$ 2,550.00	\$ 25.00	\$ 6,375.00	\$ 38.00	\$ 9,690.00	\$ 18.30	\$ 4,666.50	\$ 24.50	\$ 6,247.50	\$ 21.00	\$ 5,355.00	\$ 16.00	\$ 4,080.00	\$ 100.00	\$ 25,500.00	\$ 7.00	\$ 1,785.00	\$ 20.36	\$ 5,191.80	\$ 17.00	\$ 4,335.00	\$ 41.00	\$ 10,455.00
98	ITEM 0422 6013 - BRIDGE SIDEWALK	595	SF	\$ 10.00	\$ 5,950.00	\$ 20.00	\$ 11,900.00	\$ 28.88	\$ 17,183.60	\$ 13.50	\$ 8,032.50	\$ 24.40	\$ 14,518.00	\$ 21.00	\$ 12,495.00	\$ 16.00	\$ 9,520.00	\$ 100.00	\$ 59,500.00	\$ 8.00	\$ 4,760.00	\$ 18.41	\$ 10,953.95	\$ 17.00	\$ 10,115.00	\$ 30.00	\$ 17,850.00
99	ITEM 0422 6015 - APPROACH SLAB	35.6	CY	\$ 300.00	\$ 10,680.00	\$ 650.00	\$ 23,140.00	\$ 698.00	\$ 24,848.80	\$ 352.10	\$ 12,534.76	\$ 550.00	\$ 19,580.00	\$ 580.00	\$ 20,648.00	\$ 1,050.00	\$ 37,380.00	\$ 1,000.00	\$ 35,600.00	\$ 480.00	\$ 17,088.00	\$ 655.30	\$ 23,328.68	\$ 1,100.00	\$ 39,160.00	\$ 780.00	\$ 27,768.00
100	ITEM 0422 6023 - SHEAR KEY	10	CY	\$ 300.00	\$ 3,000.00	\$ 625.00	\$ 6,250.00	\$ 558.00	\$ 5,580.00	\$ 502.50	\$ 5,025.00	\$ 190.00	\$ 1,900.00	\$ 590.00	\$ 5,900.00	\$ 630.00	\$ 6,300.00	\$ 500.00	\$ 5,000.00	\$ 500.00	\$ 5,000.00	\$ 465.47	\$ 4,654.70	\$ 650.00	\$ 6,500.00	\$ 620.00	\$ 6,200.00
101	ITEM 0425 6001 - PRESTRESSED CONCRETE BOX BEAM (4820)	64.5	LF	\$ 200.00	\$ 12,900.00	\$ 220.00	\$ 14,190.00	\$ 208.00	\$ 13,416.00	\$ 218.30	\$ 14,080.35	\$ 225.00	\$ 14,512.50	\$ 197.00	\$ 12,706.50	\$ 300.00	\$ 19,350.00	\$ 200.00	\$ 12,900.00	\$ 240.00	\$ 15,480.00	\$ 232.09	\$ 14,969.81	\$ 300.00	\$ 19,350.00	\$ 240.00	\$ 15,480.00
102	ITEM 0425 6002 - PRESTRESSED CONCRETE BOX BEAM (5820)	387	LF	\$ 200.00	\$ 77,400.00	\$ 210.00	\$ 81,270.00	\$ 208.00	\$ 80,496.00	\$ 218.30	\$ 84,482.10	\$ 225.00	\$ 87,075.00	\$ 197.00	\$ 76,239.00	\$ 300.00	\$ 116,100.00	\$ 210.00	\$ 81,270.00	\$ 240.00	\$ 92,880.00	\$ 225.80	\$ 87,384.60	\$ 300.00	\$ 116,100.00	\$ 260.00	\$ 100,620.00
103	ITEM 0432 6002 - RIPRAP (CONCRETE) (5 IN.)	50	CY	\$ 200.00	\$ 10,000.00	\$ 750.00	\$ 37,500.00	\$ 868.00	\$ 43,400.00	\$ 498.30	\$ 24,915.00	\$ 365.00	\$ 18,250.00	\$ 460.00	\$ 23,000.00	\$ 735.00	\$ 36,750.00	\$ 500.00	\$ 25,000.00	\$ 390.00	\$ 19,500.00	\$ 595.37	\$ 29,768.50	\$ 900.00	\$ 45,000.00	\$ 975.00	\$ 48,750.00
104	ITEM 0442 6007 - STR STEEL (MISC. NON-BRIDGE)	982	LB	\$ 2.50	\$ 2,455.00	\$ 20.00	\$ 19,640.00	\$ 38.00	\$ 37,316.00	\$ 11.50	\$ 11,293.00	\$ 19.50	\$ 19,149.00	\$ 13.80	\$ 13,551.60	\$ 21.00	\$ 20,622.00	\$ 20.00	\$ 19,640.00	\$ 13.50	\$ 13,257.00	\$ 20.56	\$ 20,189.92	\$ 22.00	\$ 21,604.00	\$ 39.00	\$ 38,298.00
105	ITEM 0450 6030 - RAIL (TY C221)	162	LF	\$ 90.00	\$ 14,580.00	\$ 140.00	\$ 22,680.00	\$ 158.00	\$ 25,596.00	\$ 138.40	\$ 22,420.80	\$ 97.00	\$ 15,714.00	\$ 190.00	\$ 30,780.00	\$ 230.00	\$ 37,260.00	\$ 150.00	\$ 24,300.00	\$ 140.00	\$ 22,680.00	\$ 156.90	\$ 25,417.80	\$ 240.00	\$ 38,880.00	\$ 170.00	\$ 27,540.00
106	ITEM 0454 6004 - ARMOR JOINT (SEALED)	68.3	LF	\$ 100.00	\$ 6,830.00	\$ 110.00	\$ 7,513.00	\$ 128.00	\$ 8,742.40	\$ 84.40	\$ 5,764.52	\$ 55.00	\$ 3,756.50	\$ 77.00	\$ 5,259.10	\$ 160.00	\$ 10,928.00	\$ 100.00	\$ 6,830.00	\$ 90.00	\$ 6,147.00	\$ 95.73	\$ 6,538.36	\$ 160.00	\$ 10,928.00	\$ 133.00	\$ 9,083.90
II. TOTAL AMOUNT BASE BID - BRIDGE ITEMS - GCWA CANAL (30' X 65')				\$	262,385.00	\$	416,528.00	\$	414,022.28	\$	330,188.77	\$	440,587.00	\$	386,853.20	\$	495,628.00	\$	486,065.00	\$	337,347.00	\$	386,970.65	\$	515,374.00	\$	466,466.90
III. BASE BID - BRIDGE ITEMS - OYSTER CREEK (40' X 145')																											
107	ITEM 0400 6005 - CEMENT STABILIZED BACKFILL	54	CY	\$ 41.00	\$ 2,214.00	\$ 70.00	\$ 3,780.00	\$ 68.00	\$ 3,672.00	\$ 110.90	\$ 5,988.60	\$ 61.00	\$ 3,294.00	\$ 108.00	\$ 5,832.00	\$ 90.00	\$ 4,860.00	\$ 50.00	\$ 2,700.00	\$ 55.00	\$ 2,970.00	\$ 84.86	\$ 4,582.44	\$ 95.00	\$ 5,130.00	\$ 85.00	\$ 4,590.00
108	ITEM 0409 6002 - PRESTRESSED CONCRETE PILINGS (18 IN. SQ.)	1506	LF	\$ 81.00	\$ 121,986.00	\$ 110.00	\$ 165,660.00	\$ 86.88	\$ 130,841.28	\$ 92.70	\$ 139,606.20	\$ 230.00	\$ 346,380.00	\$ 97.00	\$ 146,082.00	\$ 150.00	\$ 225,900.00	\$ 125.00	\$ 188,250.00	\$ 120.00	\$ 180,720.00	\$ 114.84	\$ 172,949.04	\$ 154.00	\$ 231,924.00	\$ 87.00	\$ 131,022.00
109	ITEM 0420 6013 - CLASS C CONCRETE ABUTEMENT	32.4	CY	\$ 500.00	\$ 16,200.00	\$ 1,300.00	\$ 42,120.00	\$ 1,288.00	\$ 41,731.20	\$ 1,005.90	\$ 32,591.16	\$ 1,700.00	\$ 55,080.00	\$ 1,300.00	\$ 42,120.00	\$ 1,600.00	\$ 51,840.00	\$ 1,500.00	\$ 48,600.00	\$ 1,000.00	\$ 32,400.00	\$ 987.04	\$ 31,980.10	\$ 1,700.00	\$ 55,080.00	\$ 1,500.00	\$ 48,600.00
110	ITEM 0420 6029 - CLASS C CONCRETE CAP	24.6	CY	\$ 600.00	\$ 14,760.00	\$ 1,500.00	\$ 36,900.00	\$ 1,358.00	\$ 33,406.80	\$ 1,267.50	\$ 31,180.50	\$ 1,700.00	\$ 41,820.00	\$ 1,350.00	\$ 33,210.00	\$ 1,700.00	\$ 41,820.00	\$ 1,500.00	\$ 36,900.00	\$ 1,100.00	\$ 27,060.00	\$ 1,515.49	\$ 37,281.05	\$ 1,800.00	\$ 44,280.00	\$ 1,500.00	\$ 36,900.00
111	ITEM 0422 6005 - REINFORCE CONCRETE SLAB (BOX BEAM)	5628	SF	\$ 16.00	\$ 90,048.00	\$ 30.00	\$ 168,840.00	\$ 14.88	\$ 83,744.64	\$ 15.90	\$ 89,485.20	\$ 14.50	\$ 81,606.00	\$ 18.00	\$ 101,304.00	\$ 18.00	\$ 101,304.00	\$ 25.00	\$ 140,700.00	\$ 10.00	\$ 56,280.00	\$ 13.89	\$ 78,172.92	\$ 18.00	\$ 101,304.00	\$ 15.00	\$ 84,420.00
112	ITEM 0422 6013 - BRIDGE SIDEWALK	1272	SF	\$ 10.00	\$ 12,720.00	\$ 25.00	\$ 31,800.00	\$ 21.18	\$ 26,940.96	\$ 14.80	\$ 18,825.60	\$ 24.00	\$ 30,528.00	\$ 20.00	\$ 25,440.00	\$ 16.00	\$ 20,352.00	\$ 80.00	\$ 101,760.00	\$ 8.00	\$ 10,176.00	\$ 14.93	\$ 18,990.96	\$ 16.00	\$ 20,352.00	\$ 24.00	\$ 30,528.00
113	ITEM 0422 6015 - APPROACH SLAB	79.1	CY	\$ 300.00	\$ 23,730.00	\$ 650.00	\$ 51,415.00	\$ 678.00	\$ 53,629.80	\$ 303.10	\$ 23,975.21	\$ 550.00	\$ 43,505.00	\$ 540.00	\$ 42,714.00	\$ 950.00	\$ 75,145.00	\$ 500.00	\$ 39,550.00	\$ 500.00	\$ 39,550.00	\$ 536.04	\$ 42,400.76	\$ 1,000.00	\$ 79,100.00	\$ 760.00	\$ 60,116.00
114	ITEM 0422 6023 - SHEAR KEY	24.5	CY	\$ 300.00	\$ 7,350.00	\$ 625.00	\$ 15,312.50	\$ 358.00	\$ 8,771.00	\$ 664.20	\$ 16,272.90	\$ 158.00	\$ 3,871.00	\$ 570.00	\$ 13,965.00	\$ 630.00	\$ 15,435.00	\$ 500.00	\$ 12,250.00	\$ 500.00	\$ 12,250.00	\$ 465.47	\$ 11,404.02	\$ 700.00	\$ 17,150.00	\$ 400.00	\$ 9,800.00
115	ITEM 0425 6002 - PRESTRESSED CONCRETE BOX BEAM (5820)	1109.5	LF	\$ 200.00	\$ 221,900.00	\$ 210.00	\$ 232,995.00	\$ 198.88	\$ 220,657.36	\$ 215.70	\$ 239,319.15	\$ 225.00	\$ 249,637.50	\$ 200.00	\$ 221,900.00	\$ 300.00	\$ 332,850.00	\$ 200.00	\$ 221,								

