

Agenda Ite	m Nur	nber
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DATE February 25, 2008

ORDERING CONSTRUCTION OF FLEUR DRIVE BRIDGE OVER THE RACCOON RIVER REHABILITATION AND FIXING A DATE FOR RECEIVING OF BIDS ON MARCH 25, 2008 AND PUBLIC HEARING ON APRIL 7, 2008 ENGINEER'S ESTIMATE IS \$1,577,664.00

BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF DES MOINES, IOWA: That the attached communication recommending construction of the following improvement and the method of financing; and also including the recommendation of the Des Moines City Engineer, as the Jurisdictional Engineer, submitting plans, specifications, form of contract documents, and Jurisdictional Engineer's estimate of cost for the construction of the following improvement:

Fleur Drive Bridge over the Raccoon River Rehabilitation, 12-2007-005

The improvement includes rehabilitation of the existing bridge superstructure and substructure including concrete removal, structural concrete (bridge), structural steel, reinforced neoprene, steel extrusion joint with neoprene, concrete repair (median and sidewalk), concrete repair (barrier rail), concrete repair (substructure), bridge floor overlay repairs, bridge floor overlay (full depth), sidewalk removal and replacement, jack girders and reset bearings, trim girder ends, drain pipe, epoxy injection, pavement joint repairs, reinforced neoprene trough installation, carbon fiber reinforcing polymer furnish and install, approach repairs, curb repairs, concrete waterproofing, containment, blast cleaning structural steel, paint waste transport/disposal, painting of structural steel, pavement markings/symbols and message boards, construction survey, project sign, traffic control and mobilization; all work in accordance with the contract documents including Plan File Nos. 486-082/134, on the Fleur Drive Bridge over the Raccoon River in Des Moines, Iowa

be and the same are hereby approved and accepted. The estimated construction cost for said improvement is \$1,577,664.00. The proposed plans, specifications, and form of contract documents are available for public inspection in the City Engineer's Office.

BE IT FURTHER RESOLVED: That this Council hereby determines that it is necessary and advisable to construct said improvement in the manner set forth in the plans, specifications, and form of contract documents submitted by the Jurisdictional Engineer; and that payment for the cost of said improvement shall be paid from from the funding source identified below.

BE IT FURTHER RESOLVED: That a public hearing on said plans, specifications, form of contract documents, and Jurisdictional Engineer's estimate of construction cost for said improvement be held in the City Council Chambers, 2nd Floor, City Hall, 400 Robert D. Ray Drive, Des Moines, Iowa, at 5:00 p.m. on April 7, 2008, at which time this Council will consider any objections offered thereto or to the making of said improvement.

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X	Roll	\mathbf{C}

Roll Call Number

Agenda Item Number

DATE February 25, 2008

BE IT FURTHER RESOLVED: That proposals will be received by the City of Des Moines, at the office of the City Clerk until 11:00 a.m. on March 25, 2008, for the construction of said improvement, and the taking of bids in the manner required by law. Proposals received will be opened at a public meeting presided over by the Jurisdictional Engineer in the City Council Chambers, 2nd Floor, City Hall, 400 Robert D. Ray Drive, Des Moines, Iowa, at 11:00 a.m. on March 25, 2008, after which the bids together with a bid tabulation and recommendation of the Jurisdictional Engineer will be presented to the City Council at its next meeting for action thereon.

BE IT FURTHER RESOLVED: That an appropriate Notice to Bidders and Notice of Public Hearing for said improvement be published in the Des Moines Register as provided and directed by Chapter 26 and/or 314, Code of Iowa.

(City Council Comn	tion Number 08-087 attached.)			
Moved by	to adopt.			
FORM APPROVED:	FUNDS AVAILABLE			
Hydrlen Vendgoof	Uler Mile			
Kathleen Vanderpool Deputy City Attorney	Allen McKinley Des Moines Finance Director			

Funding Source: 2007-2008 CIP, Page Bridge-17, Structural Repair - Corrosion Protection, BRV039, Being: \$800,000 in Tax Increment Funds and \$777,664 in G. O. Bonds

COUNCIL ACTION	YEAS	NAYS	PASS	ABSENT
COWNIE				
COLEMAN				
HENSLEY				
KIERNAN	-			
MAHAFFEY				
MEYER				
VLASSIS				
TOTAL				

MOTION CARRIED

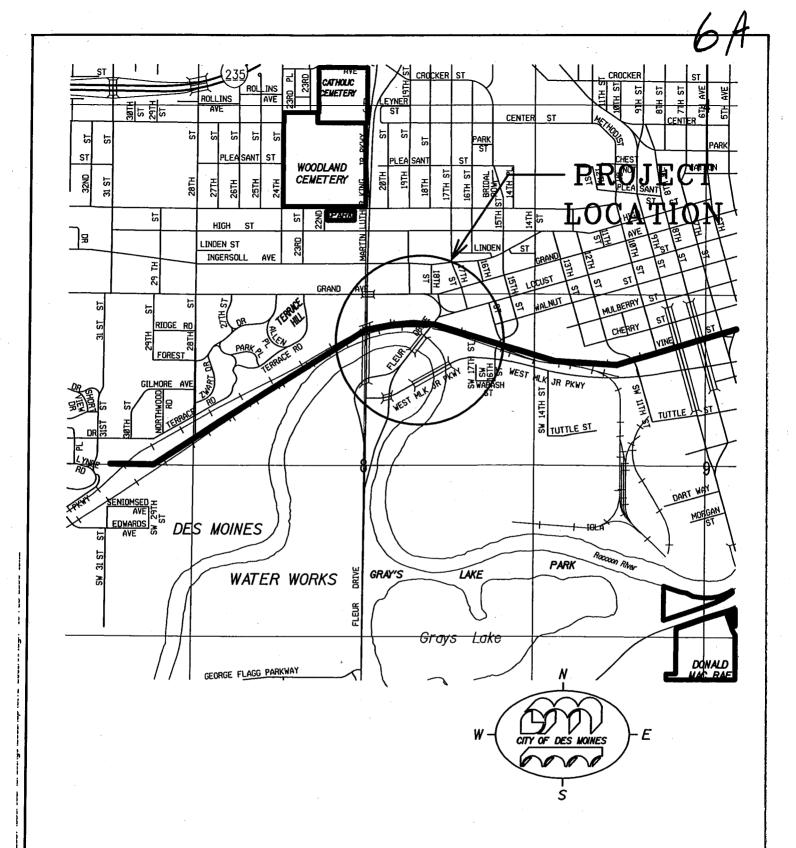
APPROVED

I, Diane Rauh, City Clerk of said City Council, hereby certify that at a meeting of the City Council, held on the above date, among other proceedings the above was adopted.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my seal the day and year first above written.

Mayor

City Clerk



FLEUR DRIVE BRIDGE OVER THE
RACCOON RIVER
REHABILITATION
ACTIVITY I.D. 12-2007-005

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DEPARTMENT OF ENGINEERING CITY OF DES MOINES, IOWA

Activity ID 08-1999-248 IDOT PROJECT NO.: N/A

NO.: N/A 2/8/2008

PROJECT: FLEUR DRIVE BRIDGE OVER THE RACCOON RIVER REHABILITATION

NO TEM CODE					ESTIMATE	D UNITS	AMOUNT
0002 2403-0100010 Structural Concrete (Bridge) CY 11.3 \$ 700.00 \$ \$7,910.00 0003 2404-7775000 Reinforcing Steel, Epoxy Costed ILB 2318 \$ 1.50 \$3,477.00 0004 2400-8500100 Reinforcing Steel, Epoxy Costed ILB 6828 \$ 6.20 \$81,500.00 0006 2400-8500100 Reinforced Neoprene SF 389 \$ 45.00 \$11,505.00 0007 2426-9772016 Concrete Repair for Median and Stiewalks SF 604 \$ 55.00 \$11,600.00 0009 2426-9772016 Concrete Repair for Ball SF 604 \$ 55.00 \$56.00 \$34,980.00 0010 2426-9772016 Concrete Repair for Ball SF 604 \$ 55.00 \$ 55.00 \$0 \$14,000 \$11,000 \$195,000.00 \$100.00 \$0 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00	NO.	ITEM CODE	DESCRIPTION	UNIT	TOTAL	UNIT PRICE	TOTAL
2003 2404-7775000 Reinforcing Steel, Epoxy Coated IB 9238 \$.25 \$.35,015.00 \$.34,477.00 \$.2408-7800000 Structural Steel IB 9228 \$.25 \$.35,015.00 \$.0005 2408-850100 Reinforcoad Neoprene IF 235.25 \$.309 \$.45.00 \$.317,505.00 \$.0005 \$.2408-8507100 Reinforcoad Neoprene IF 235.25 \$.313.00 \$.30817.75 \$.0007 \$.2428-6772016 Concrete Repair for Median and Sidewalks ISF I267 \$.90.00 \$.314.00.00 \$.3428-6772016 Concrete Repair for Median and Sidewalks ISF I267 \$.90.00 \$.314.00.00 \$.3428-6772016 Concrete Repair for Median and Sidewalks ISF I267 \$.90.00 \$.314.00.00 \$.3408.00 \$.3428-6772016 Concrete Repair for Barnier Rails ISF I267 \$.90.00 \$.3418.00 \$.3408.00 \$.	0001	* 2401-6750001	Removals, as Per Plan	LS	1.	\$ 46,000.00	\$46,000.00
DOM	0002	2403-0100010	Structural Concrete (Bridge)	CY	11.3	\$ 700.00	\$7,910.00
0005 2408-8500100 Reinforcad Neoprene SF 399 \$ 45.00 \$377,505.00 0006 2413-1200000 Steel Extrusion Joint with Neoprene LF 235.25 \$ 131.00 \$30,817.75 0007 2426-8772016 Concrete Repair for Median and Sidewalks SF 1267 \$ 90.00 \$114,030.00 0009 2426-8772016 Concrete Repair for Barrier Rails SF 684 \$ 95.00 \$369,890.00 0010 2260-090000 Bleat Cleaning of Structural Steel LS 1 \$ 100,000.00 \$375,000.00 0011 2500-090000 Delanting of Structural Steel LS 1 \$ 50,000.00 \$375,000.00 0012 2500-090000 Painting of Structural Steel LS 1 \$ 100,000.00 \$375,000.00 0014 251-187900 Painting of Structural Steel LS 1 \$ 125,000.00 \$375,000.00 0014 251-187900 Painting of Structural Steel LS 1 \$ 125,000.00 \$35,000.00 0014 251-1879000 Painting of Structural Steel <td>0003</td> <td>2404-7775005</td> <td>Reinforcing Steel, Epoxy Coated</td> <td>LB</td> <td>2318</td> <td>\$ 1.50</td> <td>\$3,477.00</td>	0003	2404-7775005	Reinforcing Steel, Epoxy Coated	LB	2318	\$ 1.50	\$3,477.00
0006 2413-1200000 Steel Extrusion Joint with Neoprene I.F. 235.25 \$ 131.00 \$30,817.75 0007 2426-87772016 Concrete Repair for Median and Sidewalks SF 1267 \$ 90.00 \$114,030.00 0008 2426-87772016 Concrete Repair for Median and Sidewalks SF 1267 \$ 90.00 \$114,030.00 0010 2508-0808000 Blast Cleaning of Structural Steel I.S 1 \$ 100,000.00 \$75,000.00 0011 2508-09070000 Containment I.S 1 \$ 50,000.00 \$75,000.00 0012 2508-0909000 Paint Waste Transport and Disposal I.S 1 \$ 50,000.00 \$50,000.00 0014 2511-7545900 Removal of Sidewalk SY 160 \$ 7.00 \$11,120.00 0016 2511-7545900 Removal of Sidewalk SY 160 \$ 7.00 \$1,120.00 0017 251-869000 Usb. Special I.F 177 \$ 9.00 \$1,120.00 0018 251-1859000 Sidewalk, P.CC, 4* SY 160	0004	2408-7800000	Structural Steel	LB	9828	\$ 8.25	\$81,081.00
0007 242e-6772015 Concrete Repair for Median and Sidewalks SF 1267 \$ 90.00 \$114,080.00 0008 242e-8772016 Concrete Repair for Barrier Rails SF 684 \$ 95.00 \$848,880.00 0010 250e-0805000 Bliast Cleaning of Structural Steel LS 11 \$ 100,000.00 \$150,000.00 0011 250e-0805000 Containment LS 1 \$ 75,000.00 \$500,000.00 0012 250e-0805000 Painting of Structural Steel LS 1 \$ 50,000.00 \$500,000.00 0013 250e-0901000 Painting of Structural Steel LS 1 \$ 50,000.00 \$500,000.00 0014 2511-7582000 Painting of Structural Steel LS 1 \$ 120,000.00 \$31,120.00 0015 2511-7582000 Painting of Structural Steel LS 1 \$ 120,000.00 \$31,120.00 0016 2511-7582000 Stool Curb Special LF 170 \$ 9.00 \$11,520.00 0017 251-86910000 Safey Safey	0005	2408-8500100	Reinforced Neoprene	SF	389	\$ 45.00	\$17,505.00
0008 2428-9772016 Concrete Repair for Barrier Rails	0006	2413-1200000	Steel Extrusion Joint with Neoprene	LF	235.25	\$ 131.00	\$30,817.75
0009 2426-6772016 Concrete Repair for Substructures SF 1778 \$ 110.00 \$195,580.00 0010 2508-0805000 Blast Cleaning of Structural Steel LS 1 \$ 100,000.00 \$11,120.00 \$11,120.00 \$100,000.00 \$11,120.00 \$11	0007	2426-6772016	Concrete Repair for Median and Sidewalks	SF	1267	\$ 90.00	\$114,030.00
Dil	8000	2426-6772016	Concrete Repair for Barrier Rails	SF	684	\$ 95.00	\$64,980.00
	0009	2426-6772016	Concrete Repair for Substructures	SF	1778	\$ 110.00	\$195,580.00
	0010	2508-0805000	Blast Cleaning of Structural Steel	LS	1	\$ 100,000.00	\$100,000.00
2508-0991000 Painting of Structural Steel LS 1 \$ 125,000.00 \$125,000.00	0011	2508-0970000	Containment	LS	1	\$ 75,000.00	\$75,000.00
0014 2511-6745900 Removal of Sidewalk SY 160 \$ 7.00 \$1,120.00 0015 2511-7526004 Sidewalk, PCC, 4* SY 160 \$ 35.00 \$5,600.00 0016 2512-1859000 Curb, Special LF 170 \$ 9.00 \$1,530.00 0017 2518-6910000 Safety Closure EA 2 \$ 250.00 \$8,000.00 0018 2528-8285000 Construction Survey LS 1 \$,000.00 \$8,000.00 019 2527-9263129 Parinted PavT Mark, Waterborne/Solvent STA 32 \$ 50.00 \$ 1,600.00 0020 2527-9263122 Permanent Tape Mark, Regular Mark Tape STA 9 \$ 400.00 \$ 3,600.00 0021 2527-9263137 Painted Symbol + Legend, Waterborne/Solvent EA 2 \$ 100.00 \$ 200.00 0022 2528-9445110 Traffic Control LS 1 \$ 10,000.00 \$ \$ 3,300.00 0022 2528-94599004 Changeable Message Sign, Portable CDAY 42 \$ 75.00 <	0012 *	2508-0990000	Paint Waste Transport and Disposal	LS	1	\$ 50,000.00	\$50,000.00
0015 2511-7520004 Sidewalk, PCC, 4* SY 160 \$ 3.5.00 \$5,600.00 0016 2512-1859000 Curb, Special LF 170 \$ 9.00 \$1,530.00 0017 2518-6910000 Safety Closure EA 2 \$ 250.00 \$500.00 0018 2528-2825000 Construction Survey LS 1 \$ 8,000.00 \$8,000.00 0019 2527-29263109 Painted Pavt Mark, Waterborne/Solvent STA 9 \$ 400.00 \$3,000.00 0020 2527-9263122 Permanent Tape Mark, Regular Mark Tape STA 9 \$ 400.00 \$3,000.00 0021 2527-9263137 Painted Symbol + Legend, Waterborne/Solvent EA 2 \$ 100.00 \$200.00 0022 2528-8445110 Traffic Control LS 1 \$ 10,000.00 \$200.00 0023 2528-9999005 Mobilization LS 1 \$ 112,420.00 \$3,150.00 0024 2533-4980005 Mobilization LS 1 \$ 112,420.00 \$112,400.00	0013	2508-0991000	Painting of Structural Steel	LS	1	\$ 125,000.00	\$125,000.00
0016 2512-1859000 Curb, Special LF 170 \$ 9.00 \$1,530,00 0017 2518-6910000 Safety Closure EA 2 \$ 250,00 \$500,00 0018 2526-8285000 Construction Survey LS 1 \$ 8,000,00 \$8,000,00 0019 2527-9283129 Painted Pavt Mark, Waterborne/Solvent STA 32 \$ 50,00 \$1,600,00 0020 2527-9283137 Painted Symbol + Legend, Waterborne/Solvent EA 2 \$ 100,00 \$2,600,00 0021 2527-9283137 Painted Symbol + Legend, Waterborne/Solvent EA 2 \$ 100,00 \$2,000,00 0022 2528-8445110 Traffic Control LB 1 \$ 10,000 \$2,000,00 0022 2528-9290004 Changeable Message Sign, Portable CDAY 42 \$ 75,00 \$3,150,00 0024 2533-4980005 Mobilization LS 1 \$ 112,420,00 \$112,420,00 0025 2599-9999005 Jack Girders and Reset Rocker Bearings EA 20 \$ 750,00	0014 *	2511-6745900	Removal of Sidewalk	SY	160	\$ 7.00	\$1,120.00
0017 2518-6910000 Safety Closure EA 2 \$ 250.00 \$500.00 0018 2528-8285000 Construction Survey LS 1 \$ 8,000.00 \$8,000.00 0019 2527-9263119 Painted Pavt Mark, Waterborne/Solvent STA 32 \$ 50.00 \$1,600.00 0020 2527-9263122 Permanent Tape Mark, Regular Mark Tape STA 9 \$ 400.00 \$3,600.00 0021 2527-9263137 Painted Symbol + Legend, Waterborne/Solvent EA 2 \$ 100.00 \$200.00 0022 2528-9290004 Changsable Message Sign, Portable CDAY 42 \$ 75.00 \$3,150.00 0024 2533-4980005 Mobilization LS 1 \$ 112,420.00 \$112,420.00 0025 2599-999005 Jack Girders and Reset Rocker Bearings EA 20 \$ 750.00 \$150.00.00 0026 2599-9999005 Temporary Shoring of Girder Ends EA 8 \$ 3,300.00 \$269.400.00 0027 2599-9999005 Trim Steel Girder Ends EA 8 </td <td>0015</td> <td>2511-7526004</td> <td>Sidewalk, PCC, 4*</td> <td>SY</td> <td>160</td> <td>\$ 35.00</td> <td>\$5,600.00</td>	0015	2511-7526004	Sidewalk, PCC, 4*	SY	160	\$ 35.00	\$5,600.00
0018 2526-8285000 Construction Survey L.S. 1 \$ 8,000.00 \$8,000.00 0019 2527-9263109 Painted Pavt Mark, Waterborne/Solvent STA 32 \$ 50.00 \$1,600.00 0020 2527-9263122 Permanent Tape Mark, Regular Mark Tape STA 9 \$ 400.00 \$3,600.00 0021 2527-9263137 Painted Symbol + Legend, Waterborne/Solvent EA 2 \$ 100.00 \$200.00 0022 2528-8445110 Traffic Control LS 1 \$ 10,000.00 \$10,000.00 0023 2528-9290004 Changeable Message Sign, Portable CDAY 42 \$ 75.00 \$3,150.00 0024 2533-4980005 Mobilization LS 1 \$ 112,420.00 \$112,420.00 0025 2599-9999005 Jack Girders and Reset Rocker Bearings EA 20 \$ 750.00 \$15,000.00 0026 2599-9999005 Trim Steel Girder Ends EA 8 \$ 3,000.00 \$26,000.00 0027 2599-9999005 Trim Steel Girder Ends EA 3 <td>0016</td> <td>2512-1859000</td> <td>Curb, Special</td> <td>LF</td> <td>170</td> <td>\$ 9.00</td> <td>\$1,530.00</td>	0016	2512-1859000	Curb, Special	LF	170	\$ 9.00	\$1,530.00
0019 2527-9263109 Painted Pav1 Mark, Waterborne/Solvent STA 32 \$ 50.00 \$1,800.00 0020 2527-9263122 Permanent Tape Mark, Regular Mark Tape STA 9 \$ 400.00 \$3,600.00 0021 2527-9263137 Painted Symbol + Legend, Waterborne/Solvent EA 2 \$ 100.00 \$200.00 0022 2528-8445110 Traffic Control LS 1 \$ 10,000.00 \$31,500.00 0023 2528-929004 Changeable Message Sign, Portable CDAY 42 \$ 75.00 \$3,150.00 0024 2533-4980005 Mobilization LS 1 \$ 112,420.00 \$112,420.00 0025 2599-9999005 Jack Girders and Reset Rocker Bearings EA 20 \$ 750.00 \$15,000.00 0026 2599-9999005 Trim Steel Girder Ends EA 8 \$ 3,300.00 \$26,400.00 0027 2599-9999005 Prim Steel Girder Ends EA 3 \$ 2,000.00 \$6,000.00 028 2599-9999000 Prinn Steel Girder Ends EA 3 <td>0017 *</td> <td>2518-6910000</td> <td>Safety Closure</td> <td>EA</td> <td>2</td> <td>\$ 250.00</td> <td>\$500.00</td>	0017 *	2518-6910000	Safety Closure	EA	2	\$ 250.00	\$500.00
0020 2527-9263122 Permanent Tape Mark, Regular Mark Tape STA 9 \$ 400.00 \$3,800.00 0021 2527-9263137 Painted Symbol + Legend, Waterborne/Solvent EA 2 \$ 100.00 \$200.00 0022 2528-8445110 Traffic Control LS 1 \$ 10,000.00 \$310,000.00 0023 2528-9290004 Changeable Message Sign, Portable CDAY 42 \$ 75.00 \$3,150.00 0024 2533-4980005 Mobilization LS 1 \$ 112,420.00 \$112,420.00 0025 2599-9999005 Jack Girders and Reset Rocker Bearings EA 20 \$ 750.00 \$15,000.00 0026 2599-9999005 Temporary Shoring of Girder Ends EA 8 \$ 3,300.00 \$26,000.00 0027 2599-9999005 Trim Steel Girder Ends EA 8 \$ 3,000.00 \$26,000.00 0029 2599-9999009 Primi Pipe LF 83 \$ 10.00 \$2,730.00 0030 2599-9999009 Pavement Joint Repair LF 100 <td< td=""><td>0018 *</td><td>2526-8285000</td><td>Construction Survey</td><td>LS</td><td>1</td><td>\$ 8,000.00</td><td>\$8,000.00</td></td<>	0018 *	2526-8285000	Construction Survey	LS	1	\$ 8,000.00	\$8,000.00
0021 2527-9263137 Painted Symbol + Legend, Waterborne/Solvent EA 2 \$ 100.00 \$200.00 0022 2528-9445110 Traffic Control LS 1 \$ 10,000.00 \$10,000.00 0023 2528-929004 Changeable Message Sign, Portable CDAY 42 \$ 75.00 \$3,150.00 0024 2533-4980005 Mobilization LS 1 \$ 112,420.00 \$112,420.00 0025 2599-9999005 Jack Girders and Reset Rocker Bearings EA 20 \$ 750.00 \$15,000.00 0026 2599-9999005 Temporary Shoring of Girder Ends EA 8 \$ 3,300.00 \$26,400.00 0027 2599-9999005 Trim Steel Girder Ends EA 3 \$ 2,000.00 \$6,000.00 0028 2599-9999009 Drain Pipe LF 83 \$ 310.00 \$25,730.00 0030 2599-9999009 Pavement Joint Repair LF 100 \$ 60.00 \$6,000.00 0031 2599-9999009 Pier 3 Joint Cover Plates LF 16.75 \$ 645.00 <td>0019</td> <td>2527-9263109</td> <td>Painted Pav't Mark, Waterborne/Solvent</td> <td>STA</td> <td>32</td> <td>\$ 50.00</td> <td>\$1,600.00</td>	0019	2527-9263109	Painted Pav't Mark, Waterborne/Solvent	STA	32	\$ 50.00	\$1,600.00
0022 * 2528-8445110 Traffic Control L.S. 1 \$ 10,000.00 \$10,000.00 0023 * 2528-929004 Changeable Message Sign, Portable CDAY 42 \$ 75.00 \$3,150.00 0024 * 2533-498005 Mobilization L.S. 1 \$ 112,420.00 \$112,420.00 0025 * 2599-999905 Jack Girders and Reset Rocker Bearings EA 20 \$ 750.00 \$15,000.00 0026 * 2599-999905 Temporary Shoring of Girder Ends EA 8 \$ 3,300.00 \$26,400.00 0027 * 2599-999005 Trim Steel Girder Ends EA 3 \$ 2,000.00 \$6,000.00 0028 * 2599-999009 Drain Pipe LF 83 \$ 310.00 \$25,730.00 0029 * 2599-999009 Pavement Joint Repair LF 100 \$ 60.00 \$6,000.00 0031 * 2599-999009 Pavement Joint Repair LF 126 \$ 75.00 \$9,450.00 0032 * 2599-999009 Pier 3 Joint Cover Plates LF 16.75 \$ 645.00 \$10,803.75 0033 * 2599-999000 Chain Link Fence Repair LS 1	0020	2527-9263122	Permanent Tape Mark, Regular Mark Tape	STA	9	\$ 400.00	\$3,600.00
0023 * 2528-9290004 Changeable Message Sign, Portable CDAY 42 \$ 75.00 \$3,150.00 0024 * 2533-4980005 Mobilization LS 1 \$ 112,420.00 \$112,420.00 0025 * 2599-999005 Jack Girders and Reset Rocker Bearings EA 20 \$ 750.00 \$15,000.00 0026 * 2599-999005 Temporary Shoring of Girder Ends EA 8 \$ 3,300.00 \$26,400.00 0027 * 2599-999005 Trim Steel Girder Ends EA 3 \$ 2,000.00 \$6,000.00 0028 * 2599-999009 Drain Pipe LF 83 \$ 310.00 \$25,730.00 0029 * 2599-999009 Epoxy Crack Injection LF 100 \$ 60.00 \$6,000.00 0030 * 2599-999009 Pavement Joint Repair LF 126 \$ 75.00 \$9,450.00 0031 * 2599-999009 Pier 3 Joint Cover Plates LF 16.75 \$ 645.00 \$11,803.75 0032 * 2599-999009 Sidewalk Rail Repair LF 1776 \$ 101.50 \$180,664.00 0033 * 2599-9999010 Reinforced Neoprene Trough Installation LS	0021	2527-9263137	Painted Symbol + Legend, Waterborne/Solvent	EA	2	\$ 100.00	\$200.00
0024 * 2533-4980005 Mobilization LS 1 \$ 112,420.00 \$112,420.00 0025 * 2599-999005 Jack Girders and Reset Rocker Bearings EA 20 \$ 750.00 \$15,000.00 0026 * 2599-999005 Temporary Shoring of Girder Ends EA 8 \$ 3,300.00 \$26,000.00 0027 * 2599-999005 Trim Steel Girder Ends EA 3 \$ 2,000.00 \$6,000.00 0028 2599-999009 Drain Pipe LF 83 \$ 310.00 \$25,730.00 0029 2599-999009 Epoxy Crack Injection LF 100 \$ 60.00 \$6,000.00 0030 2599-999009 Pavement Joint Repair LF 126 \$ 75.00 \$9,450.00 0031 2599-999009 Pier 3 Joint Cover Plates LF 16.75 \$ 645.00 \$180,000.00 0032 2599-999009 Sidewalk Rail Repair LF 1776 \$ 101.50 \$180,264.00 0033 2599-999010 Chain Link Fence Repair LS 1 \$ 2,000.00 \$2,000.00 0034 2599-999010 Reinforced Neoprene Trough Installation LS 1	0022 *	2528-8445110	Traffic Control	LS	1	\$ 10,000.00	\$10,000.00
0025 * 2599-9999005 Jack Girders and Reset Rocker Bearings EA 20 \$ 750.00 \$15,000.00 0026 * 2599-9999005 Temporary Shoring of Girder Ends EA 8 \$ 3,300.00 \$26,400.00 0027 * 2599-9999005 Trim Steel Girder Ends EA 3 \$ 2,000.00 \$6,000.00 0028 2599-999009 Drain Pipe LF 83 \$ 310.00 \$25,730.00 0029 2599-999009 Epoxy Crack Injection LF 100 \$ 60.00 \$6,000.00 0030 2599-999009 Pavement Joint Repair LF 126 \$ 75.00 \$9,450.00 0031 2599-999009 Pier 3 Joint Cover Plates LF 16.75 \$ 645.00 \$10,803.75 0032 2599-999009 Sidewalk Rail Repair LF 1776 \$ 101.50 \$180,264.00 0033 2599-999010 Chain Link Fence Repair LS 1 \$ 2,000.00 \$2,000.00 0034 2599-999010 Reinforced Neoprene Trough Installation LS 1 \$ 2,000.00 \$20,000.00 0035 2599-999014 Carbon Fiber Reinforcing Polymer (Furnish) SF	0023 *	2528-9290004	Changeable Message Sign, Portable	CDAY	42	\$ 75.00	\$3,150.00
0026 * 2599-9999005 Temporary Shoring of Girder Ends EA 8 \$ 3,300.00 \$26,400.00 0027 * 2599-9999005 Trim Steel Girder Ends EA 3 \$ 2,000.00 \$6,000.00 0028 2599-9999009 Drain Pipe LF 83 \$ 310.00 \$25,730.00 0029 2599-9999009 Epoxy Crack Injection LF 100 \$ 60.00 \$6,000.00 0030 2599-999009 Pavement Joint Repair LF 126 \$ 75.00 \$9,450.00 0031 2599-999009 Pier 3 Joint Cover Plates LF 16.75 \$ 645.00 \$10,803.75 0032 2599-999009 Sidewalk Rail Repair LF 1776 \$ 101.50 \$180,264.00 0033 2599-999010 Chain Link Fence Repair LS 1 \$ 2,000.00 \$2,000.00 0034 2599-999010 Reinforced Neoprene Trough Installation LS 1 \$ 20,000.00 \$20,000.00 0035 2599-999014 Carbon Fiber Reinforcing Polymer (Furnish) SF 1149 \$ 14.00 \$16,086.00 0036 2599-999014 Carbon Fiber Reinforcing Polymer (Installation) SF<	0024 *	2533-4980005	Mobilization	LS	1	\$ 112,420.00	\$112,420.00
0027 * 2599-999005 Trim Steel Girder Ends EA 3 \$ 2,000.00 \$6,000.00 0028 2599-9999009 Drain Pipe LF 83 \$ 310.00 \$259,730.00 0029 2599-9999009 Epoxy Crack Injection LF 100 \$ 60.00 \$6,000.00 0030 2599-9999009 Pavement Joint Repair LF 126 \$ 75.00 \$9,450.00 0031 2599-9999009 Pier 3 Joint Cover Plates LF 16.75 \$ 645.00 \$10,803.75 0032 2599-9999009 Sidewalk Rail Repair LF 1776 \$ 101.50 \$180,264.00 0033 2599-9999010 Chain Link Fence Repair LS 1 \$ 2,000.00 \$2,000.00 0034 2599-9999010 Reinforced Neoprene Trough Installation LS 1 \$ 20,000.00 \$20,000.00 0035 2599-9999014 Carbon Fiber Reinforcing Polymer (Furnish) SF 1149 \$ 20.00 \$22,980.00 0036 2599-9999014 Concrete Waterproofing SF 989 \$ 13.00 \$12,857.00 0038 2599-9999018 Bridge Floor Overlay Repair (Full Depth) SY	0025 *	2599-9999005	Jack Girders and Reset Rocker Bearings	EA	. 20	\$ 750.00	\$15,000.00
0028 2599-999009 Drain Pipe LF 83 \$ 310.00 \$25,730.00 0029 2599-9999009 Epoxy Crack Injection LF 100 \$ 60.00 \$6,000.00 0030 2599-9999009 Pavement Joint Repair LF 126 \$ 75.00 \$9,450.00 0031 2599-9999009 Pier 3 Joint Cover Plates LF 16.75 \$ 645.00 \$10,803.75 0032 2599-9999009 Sidewalk Rail Repair LF 1776 \$ 101.50 \$180,264.00 0033 2599-9999010 Chain Link Fence Repair LS 1 \$ 2,000.00 \$2,000.00 0034 2599-9999010 Reinforced Neoprene Trough Installation LS 1 \$ 20,000.00 \$20,000.00 0035 2599-9999014 Carbon Fiber Reinforcing Polymer (Furnish) SF 1149 \$ 14.00 \$16,086.00 0036 2599-9999014 Carbon Fiber Reinforcing Polymer (Installation) SF 1149 \$ 20.00 \$22,980.00 0037 2599-9999018 Bridge Floor Overlay Repair SY 645<	0026 *	2599-9999005	Temporary Shoring of Girder Ends	EA	8	\$ 3,300.00	\$26,400.00
0029 2599-9999009 Epoxy Crack Injection LF 100 \$ 60.00 \$6,000.00 0030 2599-9999009 Pavement Joint Repair LF 126 \$ 75.00 \$9,450.00 0031 2599-9999009 Pier 3 Joint Cover Plates LF 16.75 \$ 645.00 \$10,803.75 0032 2599-9999009 Sidewalk Rail Repair LF 1776 \$ 101.50 \$180,264.00 0033 2599-9999010 Chain Link Fence Repair LS 1 \$ 2,000.00 \$2,000.00 0034 2599-9999010 Reinforced Neoprene Trough Installation LS 1 \$ 20,000.00 \$20,000.00 0035 2599-9999014 Carbon Fiber Reinforcing Polymer (Furnish) SF 1149 \$ 20.00 \$22,980.00 0037 2599-9999014 Carbon Fiber Reinforcing Polymer (Installation) SF 989 \$ 13.00 \$12,857.00 0038 2599-9999018 Bridge Floor Overlay Repair SY 645 \$ 156.50 \$100,942.50 0039 2599-9999018 Bridge Floor Overlay Repair (Full Depth)	0027 *	2599-9999005	Trim Steel Girder Ends	EA	3	\$ 2,000.00	\$6,000.00
0030 2599-9999009 Pavement Joint Repair LF 126 \$ 75.00 \$9,450.00 0031 2599-9999009 Pier 3 Joint Cover Plates LF 16.75 \$ 645.00 \$10,803.75 0032 2599-9999009 Sidewalk Rail Repailr LF 1776 \$ 101.50 \$180,264.00 0033 2599-9999010 Chain Link Fence Repair LS 1 \$ 2,000.00 \$2,000.00 0034 2599-9999010 Reinforced Neoprene Trough Installation LS 1 \$ 20,000.00 \$20,000.00 0035 2599-9999014 Carbon Fiber Reinforcing Polymer (Furnish) SF 1149 \$ 14.00 \$16,086.00 0036 2599-9999014 Carbon Fiber Reinforcing Polymer (Installation) SF 1149 \$ 20,00 \$22,980.00 0037 2599-9999014 Concrete Waterproofing SF 989 \$ 13.00 \$12,857.00 0038 2599-9999018 Bridge Floor Overlay Repair SY 645 \$ 156.50 \$100,942.50 0039 2599-9999018 Bridge Floor Overlay Repair (Full Depth)	0028	2599-9999009	Drain Pipe	LF	83	\$ 310.00	\$25,730.00
0031 2599-9999009 Pier 3 Joint Cover Plates LF 16.75 \$ 645.00 \$10,803.75 0032 2599-9999009 Sidewalk Rail Repair LF 1776 \$ 101,50 \$180,264.00 0033 2599-9999010 Chain Link Fence Repair LS 1 \$ 2,000.00 \$2,000.00 0034 2599-9999010 Reinforced Neoprene Trough Installation LS 1 \$ 20,000.00 \$20,000.00 0035 2599-9999014 Carbon Fiber Reinforcing Polymer (Furnish) SF 1149 \$ 14.00 \$16,086.00 0036 2599-9999014 Carbon Fiber Reinforcing Polymer (Installation) SF 1149 \$ 20.00 \$22,980.00 0037 2599-9999014 Concrete Waterproofing SF 989 \$ 13.00 \$12,857.00 0038 2599-9999018 Bridge Floor Overlay Repair SY 645 \$ 156.50 \$100,942.50 0039 2599-9999018 Bridge Floor Overlay Repair (Full Depth) SY 15 \$ 270.00 \$4,050.00 0040 N/A Paint West ML King Bridge Arches Per	0029	2599-9999009	Epoxy Crack Injection	LF	100	\$ 60.00	\$6,000.00
0032 2599-9999009 Sidewalk Rail Repair LF 1776 \$ 101.50 \$180,264.00 0033 2599-9999010 Chain Link Fence Repair LS 1 \$ 2,000.00 \$2,000.00 0034 2599-9999010 Reinforced Neoprene Trough Installation LS 1 \$ 20,000.00 \$20,000.00 0035 2599-9999014 Carbon Fiber Reinforcing Polymer (Furnish) SF 1149 \$ 14.00 \$16,086.00 0036 2599-9999014 Carbon Fiber Reinforcing Polymer (Installation) SF 1149 \$ 20.00 \$22,980.00 0037 2599-9999014 Concrete Waterproofing SF 989 \$ 13.00 \$12,857.00 0038 2599-9999018 Bridge Floor Overlay Repair SY 645 \$ 156.50 \$100,942.50 0039 2599-999018 Bridge Floor Overlay Repair (Full Depth) SY 15 \$ 270.00 \$4,050.00 0040 N/A Paint West ML King Bridge Arches Per Specification LS 1 \$ 59,000.00 \$59,000.00	0030	2599-9999009	Pavement Joint Repair	LF	126	\$ 75.00	\$9,450.00
0033 2599-9999010 Chain Link Fence Repair LS 1 \$ 2,000.00 \$2,000.00 0034 2599-9999010 Reinforced Neoprene Trough Installation LS 1 \$ 20,000.00 \$20,000.00 0035 2599-9999014 Carbon Fiber Reinforcing Polymer (Furnish) SF 1149 \$ 14.00 \$16,086.00 0036 2599-9999014 Carbon Fiber Reinforcing Polymer (Installation) SF 1149 \$ 20.00 \$22,980.00 0037 2599-9999014 Concrete Waterproofing SF 989 \$ 13.00 \$12,857.00 0038 2599-9999018 Bridge Floor Overlay Repair SY 645 \$ 156.50 \$100,942.50 0039 2599-999018 Bridge Floor Overlay Repair (Full Depth) SY 15 \$ 270.00 \$4,050.00 0040 N/A Paint West ML King Bridge Arches Per Specification LS 1 \$ 59,000.00 \$59,000.00	0031	2599-9999009	Pier 3 Joint Cover Plates	LF	16.75	\$ 645.00	\$10,803.75
0034 2599-9999010 Reinforced Neoprene Trough Installation LS 1 \$ 20,000.00 \$20,000.00 0035 2599-9999014 Carbon Fiber Reinforcing Polymer (Furnish) SF 1149 \$ 14.00 \$16,086.00 0036 2599-9999014 Carbon Fiber Reinforcing Polymer (Installation) SF 1149 \$ 20.00 \$22,980.00 0037 2599-9999014 Concrete Waterproofing SF 989 \$ 13.00 \$12,857.00 0038 2599-9999018 Bridge Floor Overlay Repair SY 645 \$ 156.50 \$100,942.50 0039 2599-9999018 Bridge Floor Overlay Repair (Full Depth) SY 15 \$ 270.00 \$4,050.00 0040 N/A Paint West ML King Bridge Arches Per Specification LS 1 \$ 59,000.00 \$59,000.00	0032	2599-9999009	Sidewalk Rail Repair	LF	1776	\$ 101.50	\$180,264.00
0035 2599-9999014 Carbon Fiber Reinforcing Polymer (Furnish) SF 1149 \$ 14.00 \$16,086.00 0036 2599-9999014 Carbon Fiber Reinforcing Polymer (Installation) SF 1149 \$ 20.00 \$22,980.00 0037 2599-9999014 Concrete Waterproofing SF 989 \$ 13.00 \$12,857.00 0038 2599-9999018 Bridge Floor Overlay Repair SY 645 \$ 156.50 \$100,942.50 0039 2599-999018 Bridge Floor Overlay Repair (Full Depth) SY 15 \$ 270.00 \$4,050.00 0040 N/A Paint West ML King Bridge Arches Per Specification LS 1 \$ 59,000.00 \$59,000.00	0033	2599-9999010	Chain Link Fence Repair	LS	1	\$ 2,000.00	\$2,000.00
0036 2599-9999014 Carbon Fiber Reinforcing Polymer (Installation) SF 1149 \$ 20.00 \$22,980.00 0037 2599-9999014 Concrete Waterproofing SF 989 \$ 13.00 \$12,857.00 0038 2599-9999018 Bridge Floor Overlay Repair SY 645 \$ 156.50 \$100,942.50 0039 2599-999018 Bridge Floor Overlay Repair (Full Depth) SY 15 \$ 270.00 \$4,050.00 0040 N/A Paint West ML King Bridge Arches Per Specification LS 1 \$ 59,000.00 \$59,000.00	0034	2599-9999010	Reinforced Neoprene Trough Installation	LS	1	\$ 20,000.00	\$20,000.00
0037 2599-9999014 Concrete Waterproofing SF 989 \$ 13.00 \$12,857.00 0038 2599-9999018 Bridge Floor Overlay Repair SY 645 \$ 156.50 \$100,942.50 0039 2599-9999018 Bridge Floor Overlay Repair (Full Depth) SY 15 \$ 270.00 \$4,050.00 0040 N/A Paint West ML King Bridge Arches Per Specification LS 1 \$ 59,000.00 \$59,000.00	0035	2599-9999014	Carbon Fiber Reinforcing Polymer (Furnish)	SF	1149	\$ 14.00	\$16,086.00
0038 2599-9999018 Bridge Floor Overlay Repair SY 645 \$ 156.50 \$100,942.50 0039 2599-9999018 Bridge Floor Overlay Repair (Full Depth) SY 15 \$ 270.00 \$4,050.00 0040 N/A Paint West ML King Bridge Arches Per Specification LS 1 \$ 59,000.00	0036	2599-9999014	Carbon Fiber Reinforcing Polymer (Installation)	SF	1149	\$ 20.00	\$22,980.00
0039 2599-9999018 Bridge Floor Overlay Repair (Full Depth) SY 15 \$ 270.00 \$4,050.00 0040 N/A Paint West ML King Bridge Arches Per Specification LS 1 \$ 59,000.00 \$59,000.00	0037	2599-9999014	Concrete Waterproofing	SF	989	\$ 13.00	\$12,857.00
0040 N/A Paint West ML King Bridge Arches Per Specification LS 1 \$ 59,000.00 \$59,000.00	0038	2599-9999018	Bridge Floor Overlay Repair	SY	645	\$ 156.50	\$100,942.50
	0039	2599-9999018	Bridge Floor Overlay Repair (Full Depth)	SY	15	\$ 270.00	\$4,050.00
0041 N/A Project Sign, Supply and Install EA 1 \$ 1,000.00 \$1,000.00	0040	N/A	Paint West ML King Bridge Arches Per Specification	LS	1	\$ 59,000.00	\$59,000.00
	0041	N/A	Project Sign, Supply and Install	EA	1	\$ 1,000.00	\$1,000.00

Prepared By: Shuck-Britson, Inc.
Checked By:

TOTAL CONSTRUCTION COST \$1,577,664.00

* Item does not have to be included in 4-year maintenance bond, but shall be covered by a 1-year maintenance bond.

* Estimate Total=

\$354,590.00

ADD * ITEMS!