

12B

DATE February 22, 2010

ACCEPTING COMPLETED CONSTRUCTION AND APPROVING FINAL PAYMENT FOR FLEUR DRIVE BRIDGE OVER THE RACCOON RIVER REHABILITATION, THE TRUESDELL CORPORATION OF WISCONSIN, INC.

BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF DES MOINES, IOWA: That the attached report of the Jurisdictional Engineer, showing the cost of the construction of the Fleur Drive Bridge over the Raccoon River Rehabilitation, 12-2007-005, in accordance with the contract approved between The Truesdell Corporation of Wisconsin, Inc., Kurt L. Clink, President, 1310 W 23rd Street, Tempe, AZ 85282, under Roll Call No. 08-610, of April 7, 2008, and the City of Des Moines, and recommending the acceptance thereof, be and the same is hereby approved, and accepted, and

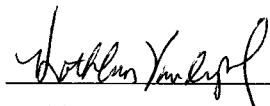
BE IT FURTHER RESOLVED: That \$1,636,999.95 is the total cost, of which \$1,492,459.20 has been paid the Contractor, and \$62,690.75 is now due and is hereby approved as final partial payment for the above project, the remaining balance of \$81,850.00 is to be paid at the end of thirty days, with funds retained for unresolved claims on file in accordance with Iowa Code chapter 573.

BE IT FURTHER RESOLVED: That the Engineering Department be and is hereby authorized and directed to notify all persons and firms with outstanding Chapter 573 claims against said project, that the project has been given final acceptance as completed by this City Council, that they have 60 days from such acceptance within which to initiate suit to collect on their claims, and that if suit is not commenced within that time, the City of Des Moines will be required to release the retainage which it is now holding.

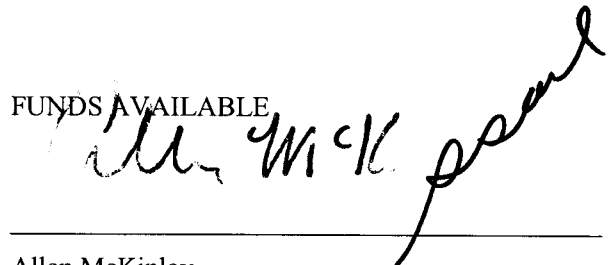
BE IT FURTHER RESOLVED: That the Des Moines Finance Director be and is hereby authorized to release said retainage if suit is not filed as above provided.

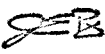
Moved by _____ to adopt.

FORM APPROVED:


Kathleen Vanderpool
Deputy City Attorney

FUNDS AVAILABLE


Allen McKinley
Des Moines Finance Director

 Funding Source: 2009-2010 CIP, Page Bridge-19, Structural Repair - Corrosion Protection, BRV039, Being: \$1,550,000 in Tax Increment Funds and \$86,999.95 in G. O. Bonds

★ Roll Call Number

Agenda Item Number

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DATE February 22, 2010

COUNCIL ACTION	YEAS	NAYS	PASS	ABSENT
COWNIE				
COLEMAN				
GREISS				
HENSLEY				
MAHAFFEY				
MEYER				
MOORE				
TOTAL				

MOTION CARRIED

APPROVED

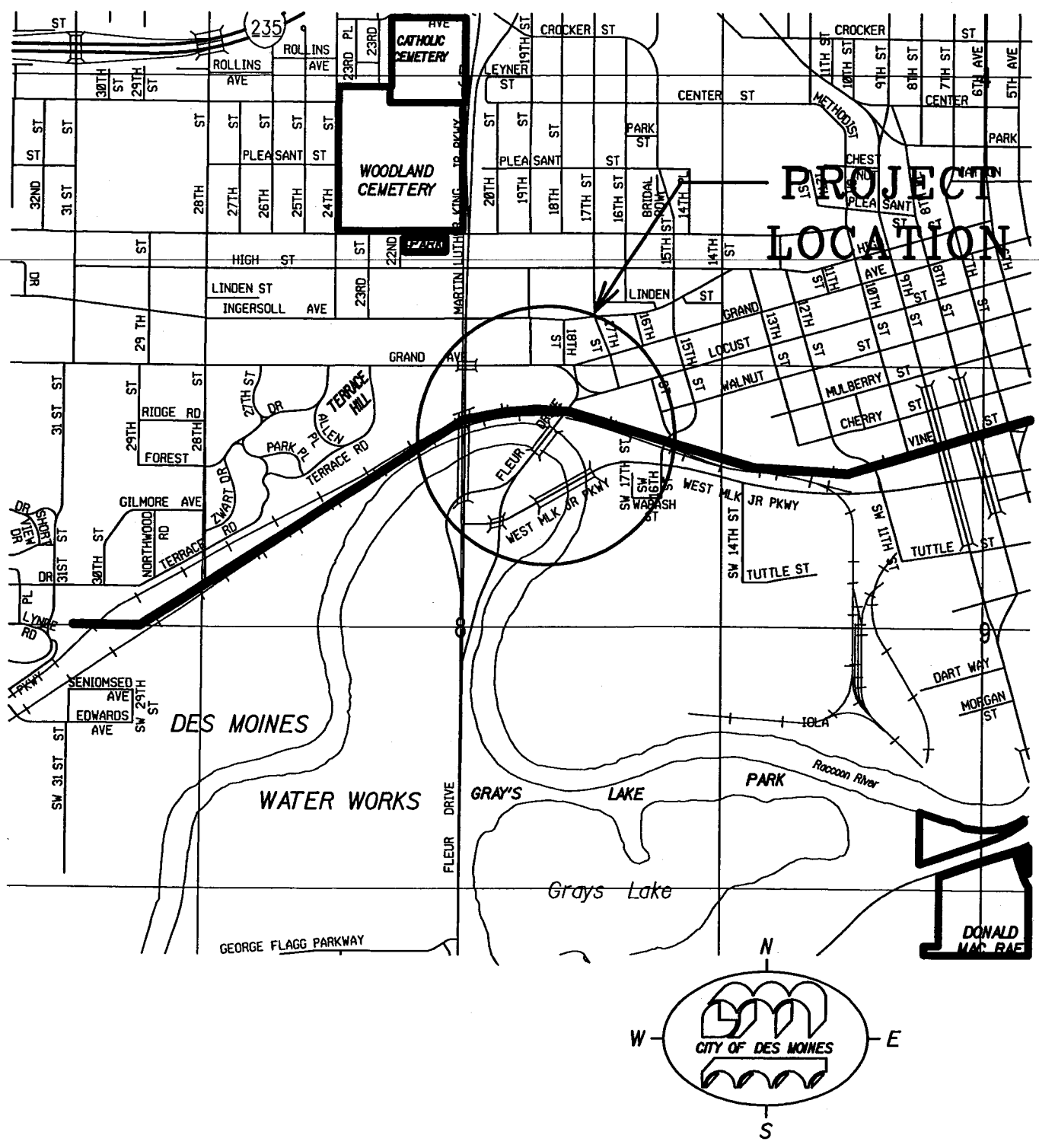
Mayor

CERTIFICATE

I, DIANE RAUH, City Clerk of said City hereby certify that at a meeting of the City Council of said City of Des Moines, 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.

City Clerk



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

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PROJECT SUMMARY

Fleur Drive Bridge over Raccoon River

Activity ID 12-2007-005

On April 07, 2008 under Roll Call 08-610 the City Council awarded the contract for the above improvements to Truesdell Corporation of Wisconsin Inc. in the amount of \$1,424,424.00 for rehabilitation of the Fleur Drive Bridge over Raccoon River including 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 in the City of Des Moines, IA.

Tabulated below is a history of project change orders.

<u>Change Order No.</u>	<u>Description</u>	<u>Initiated By</u>	<u>Amount</u>
1	12/11/2008 Power wash to concrete tie girders on the MLK Parkway Arch. Repair to the chain link fence along the sidewalk. Deduct Bid Item 33.	Engineering	\$1,501.50
2	3/19/2009 Move Expansion Joint Embeds to Allow Strip Seal Installation.	Engineering	\$9,741.30
3	11/9/2009 Supply and installation complete twenty-seven (27) cast rocker assemblies.	Engineering	\$103,764.51
4	10/30/2009 Remove, Straighten, Replace Boting and Replace Finger Plates on Expansion Joint. Blast and Paint Structural Supporting Steel.	Engineering	\$10,523.70
5	11/3/2009 Additional Traffic Control for the opening of the Sculpture Park.	Engineering	\$2,485.00

<u>Change Order No.</u>	<u>Description</u>	<u>Initiated By</u>	<u>Amount</u>
6	11/10/2009 Additional forming work on the southbound lanes expansion joint at Pier 3.	Engineering	\$18,888.00
7	Adjust Final Quantities to 'As-Built Quantities'.	Engineering	\$65,671.94
Original Contract Amount			\$1,424,424.00
Total Change Orders			\$212,575.95
Percent of Change Orders to Original Contract			14.92%
Final Contract Amount			\$1,636,999.95 ✓

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February 22, 2010



CERTIFICATION OF COMPLETION

AGENDA HEADING:

Accepting completed construction and approving final payment for the Fleur Drive Bridge over the Raccoon River Rehabilitation, The Truesdell Corporation of Wisconsin, Inc..

SYNOPSIS:

Approve the Jurisdictional Engineer's Certification of Completion, accept construction of said improvement, and authorize final payment to the contractor.

FISCAL IMPACT:

Amount: \$1,636,999.95 As-Built Contract Cost

Funding Source: 2009-2010 CIP, Page Bridge-19, Structural Repair - Corrosion Protection, BRV039, Being: \$1,550,000 in Tax Increment Funds and \$86,999.95 in G. O. Bonds

CERTIFICATION OF COMPLETION:

On April 7, 2008, under Roll Call No. 08-610, the City Council awarded a contract to The Truesdell Corporation of Wisconsin, Inc., Kurt L. Clink, President, 1310 W 23rd Street, Tempe, AZ 85282 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

I hereby certify that the construction of said Fleur Drive Bridge over the Raccoon River Rehabilitation, Activity ID 12-2007-005, has been completed in substantial compliance with the terms of said contract, and I hereby recommend that the work be accepted. The work commenced on May 5, 2008, and was completed on February 15, 2010.

I further certify that \$1,636,999.95 is the total cost of said improvement, of which \$1,492,459.20 has been paid the Contractor and \$62,690.75 is now due and is hereby approved as final partial payment for the above project, the remaining balance of \$81,850.00 is to be paid at the end of thirty days, with funds retained for unresolved claims on file in accordance with Iowa Code chapter 573. The amount of completed work is shown on the attached Estimate of Construction Completed.



Jeb E. Brewer, P.E.
Des Moines City Engineer



ESTIMATE OF CONSTRUCTION COMPLETED
FOR WORK DONE FROM 11/11/09 to 01/27/10
PARTIAL PAYMENT NO. 12 - FINAL

PROJECT: Fleur Drive Bridge over Raccoon River
CONTRACTOR: The Truesdell Corporation of Wisconsin

Activity ID: 12-2007-005
Date: 01/27/2010

LINE NO.	DESCRIPTION	UNIT	UNITS			CONSTRUCTED TO DATE	UNIT PRICE	TOTAL AMOUNT
			ESTIMATED	AUTHORIZED				
1	Removals, as Per Plan	LS	1.000	1.000	1.000	\$48,000.00	\$48,000.00	
2	Structural Concrete (Bridge)	CY	11.300	10.500	10.500	\$888.00	\$9,324.00	
3	Reinforcing Steel, Epoxy Coated	LB	2,318.000	4,550.000	4,550.000	\$2.30	\$10,465.00	
4	Structural Steel	LB	9,828.000	13,090.000	13,090.000	\$14.00	\$183,260.00	
5	Reinforced Neoprene	SF	389.000	395.000	395.000	\$70.00	\$27,650.00	
6	Steel Extrusion Joint with Neoprene	LF	235.250	235.250	235.250	\$188.00	\$44,227.00	
7	Concrete Repair for Median and Sidewalks	SF	1,267.000	1,442.360	1,442.360	\$50.00	\$72,118.00	
8	Concrete Repair for Barrier Rails	SF	684.000	559.880	559.880	\$50.00	\$27,994.00	
9	Concrete Repair for Substructures	SF	1,778.000	1,925.000	1,925.500	\$115.00	\$221,432.50	
10	Blast Cleaning of Structural Steel	LS	1.000	1.000	1.000	\$67,300.00	\$67,300.00	
11	Containment	LS	1.000	1.000	1.000	\$62,100.00	\$62,100.00	
12	Paint Waste Transport and Disposal	LS	1.000	1.000	1.000	\$3,680.00	\$3,680.00	
13	Painting of Structural Steel	LS	1.000	1.000	1.000	\$131,000.00	\$131,000.00	
14	Removal of Sidewalk	SY	160.000	171.890	171.890	\$16.50	\$2,836.19	
15	Sidewalk, PCC, 4"	SY	160.000	171.890	171.890	\$43.00	\$7,391.27	
16	Curb, Special	LF	170.000	0.000	0.000	\$10.50	\$0.00	
17	Safety Closure	EA	2.000	2.000	2.000	\$150.00	\$300.00	
18	Construction Survey	LS	1.000	1.000	1.000	\$7,600.00	\$7,600.00	
19	Painted Pav't Mark, Waterborne/Solvent	STA	32.000	65.210	65.210	\$64.00	\$4,173.44	
20	Permanent Tape Mark, Regular Mark Tape	STA	9.000	0.000	0.000	\$315.00	\$0.00	
21	Painted Symbol + Legend, Waterborne/Solvent	EA	2.000	0.000	0.000	\$150.00	\$0.00	
22	Traffic Control	LS	1.000	1.000	1.000	\$7,620.00	\$7,620.00	
23	Changeable Message Sign, Portable	CDAY	42.000	49.000	49.000	\$68.00	\$3,332.00	
24	Mobilization	LS	1.000	1.000	1.000	\$77,489.20	\$77,489.20	
25	Jack Girders and Reset Rocker Bearings	EA	20.000	20.000	20.000	\$1,150.00	\$23,000.00	
26	Temporary Shoring of Girder Ends	EA	8.000	8.000	8.000	\$4,150.00	\$33,200.00	
27	Trim Steel Girder Ends	EA	3.000	0.000	0.000	\$2,500.00	\$0.00	
28	Drain Pipe	LF	83.000	55.000	55.000	\$195.00	\$10,725.00	
29	Epoxy Crack Injection	LF	100.000	35.500	38.500	\$21.00	\$808.50	


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LINE NO.	DESCRIPTION	UNIT	UNITS			UNIT PRICE	TOTAL AMOUNT
			ESTIMATED	AUTHORIZED	CONSTRUCTED TO DATE		
30	Pavement Joint Repair	LF	126.000	126.000	126.000	\$53.50	\$6,741.00
31	Pier 3 Joint Cover Plates	LF	16.750	16.750	16.750	\$540.00	\$9,045.00
32	Sidewalk Rail Repair	LF	1,776.000	1,782.000	1,782.000	\$85.00	\$151,470.00
33	Chain Link Fence Repair	LS	1.000	0.000	0.000	\$1,738.00	\$0.00
34	Reinforced Neoprene Trough Installation	LS	1.000	1.000	1.000	\$27,600.00	\$27,600.00
35	Carbon Fiber Reinforcing Polymer (Furnish)	SF	1,149.000	1,124.680	1,124.660	\$14.00	\$15,745.24
36	Carbon Fiber Reinforcing Polymer (Installation)	SF	1,149.000	1,124.680	1,124.660	\$20.00	\$22,493.20
37	Concrete Waterproofing	SF	989.000	989.000	989.000	\$9.00	\$8,901.00
38	Bridge Floor Overlay Repair	SY	645.000	778.000	778.000	\$170.00	\$132,260.00
39	Bridge Floor Overlay Repair (Full Depth)	SY	15.000	10.300	10.300	\$488.00	\$5,026.40
40	Paint West ML King Bridge Arches Per Specification	LS	1.000	1.000	1.000	\$29,500.00	\$29,500.00
41	Project Sign, Supply and Install	EA	1.000	1.000	1.000	\$1,050.00	\$1,050.00
42							
CO No. 1							
	1.01 Power wash to concrete tie girders on the MLK Parkway Arch	LS	-	1.000	1.000	\$1,870.00	\$1,870.00
	1.02 Fence repair on the west side of the north approach	LS	-	1.000	1.000	\$1,369.50	\$1,369.50
	Deduct Bid Item 33 and repalce with Item 1.02	-	-	-	-		\$0.00
CO No. 2							
	2.01 Move EJ Embeds to Allow Strip Seal Install	LS	-	1.000	1.000	\$9,741.30	\$9,741.30
CO No. 3							
	3.01 Supply and Install 27 Rocker Assemblies, Complete	LS	-	1.000	1.000	\$103,764.51	\$103,764.51
CO NO. 4							
	4.01 Repair Finger Expansion Joint	LS	-	1.000	1.000	\$5,051.20	\$5,051.20
	4.02 Blasting and Painting of Structural Steel at Finger Joint	LS	-	1.000	1.000	\$5,472.50	\$5,472.50
CO No. 5							
	5.01 Additional Traffic Control Required for Sculpture Park opening	LS	-	1.000	1.000	\$2,485.00	\$2,485.00
CO No. 6							
	6.01 Additional Forming Work on Pier 10 EJ	LS	-	1.000	1.000	\$18,888.00	\$18,888.00
CO No. 7							
	Adjust final Quantities to 'As Built'	-	-	-	-		\$0.00
	Liquidated Damages	Day	-	-	17.000	-\$500.00	(\$8,500.00)
	ORIGINAL CONTRACT AMOUNT		\$1,424,424.00				
	AMOUNT OF APPROVED CHANGE ORDERS		\$212,575.95				
	TOTAL CONTRACT AMOUNT PLUS APPROVED CHANGE ORDERS		\$1,636,999.95				
	PARTIAL PAYMENT NO. 1		\$31,164.37				
	PARTIAL PAYMENT NO. 2		\$150,385.45				
	PARTIAL PAYMENT NO.3		\$330,083.91				
	PARTIAL PAYMENT NO. 4		\$416,341.49				

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LINE NO.	DESCRIPTION	UNIT	UNITS		CONSTRUCTED TO DATE	UNIT PRICE	TOTAL AMOUNT
			ESTIMATED	AUTHORIZED			
	PARTIAL PAYMENT NO. 5		\$125,846.43				
	PARTIAL PAYMENT NO. 6		\$26,830.52				
	PARTIAL PAYMENT NO. 7		\$92,082.69				
	PARTIAL PAYMENT NO. 8		\$31,596.43				
	PARTIAL PAYMENT NO. 9		\$174,790.81				
	PARTIAL PAYMENT NO. 10		\$13,831.72				
	PARTIAL PAYMENT NO. 11		\$99,505.38				
	THIS PARTIAL PAYMENT		\$62,690.75				
	TOTAL PARTIAL PAYMENTS		\$1,555,149.95				
	BALANCE		\$81,850.00				
	PRECENGT COMPLETE		100.00%				
	TOTAL						\$1,636,999.95
	RETAINAGE						\$81,850.00
	TOTAL LESS RETAINAGE						\$1,555,149.95
	LESS PREVIOUS PAYMENT						\$1,492,459.20
	AMOUNT DUE						\$62,690.75

PREPARED BY: 

CHECKED BY: 

PARTIAL PAYMENT NO. 12 - FINAL