

**Memorandum
Public Works Department**



To: City Manager
Subject: 2022/23 Asphalt Street Milling and Patching Program, Project 2434 Payment #2
Date: February 14, 2023
Number: 2023-027

Langman Construction is due Payment #2 for the 2022 Asphalt Street Milling and Patching Program, Project 2434, for services provided July 29, 2022 through January 11, 2023. Work included the milling and patching of various asphalt streets and bike paths.

Recommendation

The Public Works Department recommends that the City Council approve Payment #2 to Langman Construction, Rock Island, IL, in the amount of \$35,387.49.

Vendor: Langman Construction Inc, Rock Island, IL
Payment Amount: \$35,387.49

Fund:	302	Recurring General Fund
Division:	616	Municipal Services
Cost Center:	301	Street Maintenance
Object Class:	53805	Street/Lot S/C
Project Code:	2434	Asphalt Street Milling and Patching Program

Purchase Order Number: P008651

Submitted by: Michael T. Bartels, Public Works Director
Michael J. Kane, P.E., City Engineer

Approved by: Todd Thompson, City Manager

CITY OF ROCK ISLAND

PUBLIC WORKS DEPARTMENT - ENGINEERING DIVISION

2022 Asphalt Street Milling and Patching Program
 City Project: 2434
 Contractor: Langman Construction Inc.
 Project Engineer: Robert Horton, P.E.
 Inspector: John Pearson

	Contract Amount	Completion Date
Original	\$166,847.60	15 WD
Revised	\$224,942.28	15 WD

Pay Estimate # 2 and Final

Item No.	Description	Previous Quantity	Units	New Quantities	Quantity To Date	Unit Price	Earned To Date
1	COLD MILL SURF 1.5-2 SPL	0.0	SQ YD	11,195.60	11,195.60	\$ 7.20	\$ 80,608.32
2	BIT MATERIALS TACK	0.0	LB	1,112.00	1,112.00	\$ 0.10	\$ 111.20
3	HMA SURFACE IL9.5 N50 1.5-2 SPL	0.0	TON	1,087.69	1,087.69	\$ 123.55	\$ 134,384.10
4	PT PVMT MK LINE SPL	0.0	FOOT	599.50	599.50	\$ 1.00	\$ 599.50
5	PT PVMT MK LETTER SYMB SPL	0.0	SQ FT	114.40	114.40	\$ 8.00	\$ 915.20
6	TRAF DETECTOR LOOP SPL	0.0	FOOT	0.00	0.00	\$ 27.00	\$ -
Total							\$ 216,618.32

Change Orders					
Description	Quant.	Unit	Price	Amount	
1 LCI was recalled to 6th Ave. to use a mini mill and remove bumps in the roadway.				\$	8,323.96
				\$	8,323.96

Previous Payments	
Payment Number	Amount
1	\$ 216,618.32
\$ 216,618.32	

Payment Summary	
Total Cost of Work Performed to Date	\$ 216,618.32
Total Change Orders to Date	+ \$ 8,323.96
Total Amount Earned to Date	\$ 224,942.28
Total Retainage 0%	- \$ -
Total Previous Payments	- \$ 216,618.32
Total Amount Due This Estimate : \$ 8,323.96	

Fund or Account Number	Amount
302-616301-53805-2434000	
Total:	\$ 8,323.96

The undersigned Contractor certifies that to the best of their knowledge, information and belief the Work Covered by this Payment Application has been completed in accordance with the Contract Documents, that all amounts have been paid by the Contractor for Work for which previous payments were issued and received from the City and that current payment shown herein is now due.

Contractor: Langman Construction, Inc.

S. Boone Zimmerman
 Signature

01/11/2023
 Date

Recommended for payment:

Michael Kae
 City Engineer

02/14/2023
 Date



DATE OF INVOICE: 10/4/2022

BILL TO: City of Rock Island -
1309 Mill Street
Rock Island, IL 61201

INVOICE #: 2216-01

DESCRIPTION OF WORK: Core out and pave path

LOCATION: Bike path by centennial bridge

SUMMARY (See below for itemization):

LABOR	\$	12,947.62
EQUIPMENT	\$	4,741.02
SUBCONTRACTOR	\$	1,897.50
MATERIAL	\$	<u>7,477.39</u>
INVOICE TOTAL	\$	27,063.53

BREAKDOWN OF SUMMARY:

PAYROLL	8-Aug	9-Aug	S.T.	O.T.	D.T.	HR. RATE	INS.	PAYROLL
OPERATOR	26.5	32	58.5			\$ 37.50	\$ 2,193.75	\$ 2,193.75
	2.5	8		10.5		\$ 56.25	\$ 393.75	\$ 590.63
						0 \$ 75.00	\$ -	\$ -
OPER/FORE	8	8	16			\$ 38.00	\$ 608.00	\$ 608.00
	1.5	3		4.5		\$ 57.00	\$ 171.00	\$ 256.50
						0 \$ 76.00	\$ -	\$ -
LABOR	2	24	26			\$ 31.26	\$ 812.76	\$ 812.76
	0	5		5		\$ 46.89	\$ 156.30	\$ 234.45
						0 \$ 62.52	\$ -	\$ -
LABOR/FORE	0		0			\$ 51.94	\$ -	\$ -
				0		\$ 77.91	\$ -	\$ -
						0 \$ 103.88	\$ -	\$ -
LABOR/PS	0		0			\$ 31.76	\$ -	\$ -
	0			0		\$ 47.64	\$ -	\$ -
						0 \$ 63.52	\$ -	\$ -
FINISHER	0		0			\$ 30.30	\$ -	\$ -
				0		\$ 45.45	\$ -	\$ -
						0 \$ 60.60	\$ -	\$ -
SUBTOTAL	40.5	80	0	100.5	20	0	\$ 4,335.56	\$ 4,696.09
BENEFITS								
LABOR					2 HRS @	\$ 22.55	\$ 45.10	
OPERATOR					89.5 HRS @	\$ 37.90	\$ 3,392.05	
FINISHER					0 HRS @	\$ 24.09	\$ -	
SUBTOTAL					91.5		\$ 8,133.24	
PLUS 35%							\$ 2,846.63	
SUBTOTAL BENEFITS AND HOURS								\$ 10,979.87
PUBLIC LIABILITY AND PROPERT DAMAGE INSURANCE								
				0.04	of	\$ 4,335.56	\$ 179.93	
WORKMEN COMP INSURANCE								
				0.04	of	\$ 4,335.56	\$ 173.42	
FED UNEMPLOYMENT TAX								
				0.01	of	\$ 8,133.24	\$ 48.80	
STATE UNEMPLOYMENT TAX								
				0.09	of	\$ 8,133.24	\$ 764.52	
FED SOCIAL SECURITY TAX								
				0.08	of	\$ 8,133.24	\$ 622.19	
SUBTOTAL PAYROLL ADDITIVES								\$ 1,788.86
PLUS 10%								\$ 178.89
TOTAL PAYROLL ADDITIVES								\$ 1,967.75
TOTAL LABOR								\$ 12,947.62

I hereby certify that the above statement is a copy of that portion of the payroll which applies to the above work.

EQUIPMENT (BLUE BOOK VALUES)	8-Aug	9-Aug	TOTAL	RATE	AMOUNT
Deere 85G	9.5		9.5	\$ 99.32	\$ 943.54
Deere 410SL	8.5	9.5	18	\$ 90.24	\$ 1,624.32
2020 Ford F-450	8.5	11.5	20	\$ 61.69	\$ 1,233.80
Caterpillar 262D	2.5	9.5	12	\$ 78.28	\$ 939.36
Roller			0	\$ 86.93	\$ -
Ford F550 Water Truck		10	10	\$ 47.18	
TOTAL EQUIPMENT					\$ 4,741.02

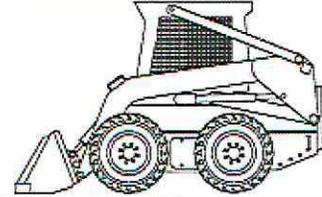
SUBCONTRACTOR	8-Aug	9-Aug	TOTAL	RATE	AMOUNT
Dan Ash Trucking	8	9.25	17.25	\$ 100.00	\$ 1,725.00
					\$ -
SUBTOTAL SUBCONTRACTOR					\$ 1,725.00
PLUS 10%					\$ 172.50
TOTAL SUBCONTRACTOR					\$ 1,897.50

MATERIAL	QTY	UNIT	RATE	AMOUNT
RiverStone HMA mix	83.36	Ton	\$ 78.00	\$ 6,502.08
				\$ -
				\$ -
SUBTOTAL MATERIAL				\$ 6,502.08
PLUS 15%				\$ 975.31
TOTAL MATERIAL				\$ 7,477.39

Rental Rate Blue Book®

October 5, 2022

Caterpillar 262D
 Skid Steer Loaders

 Size Class:
 2501 - 2900 lbs
 Weight:
 N/A

Configuration for 262D

 Operator Protection **ROPS** Power Mode **Diesel**
Blue Book Rates

** FHWA Rate is equal to the monthly ownership cost divided by 176 plus the hourly estimated operating cost.

	Ownership Costs				Estimated Operating Costs Hourly	FHWA Rate** Hourly
	Monthly	Weekly	Daily	Hourly		
Published Rates	USD \$7,700.00	USD \$2,155.00	USD \$540.00	USD \$81.00	USD \$33.57	USD \$77.32
Adjustments						
Region (Illinois: 102.6%)	USD \$200.20	USD \$56.03	USD \$14.04	USD \$2.11		
Model Year (2016: 99.6%)	(USD \$31.92)	(USD \$8.93)	(USD \$2.24)	(USD \$0.34)		
Adjusted Hourly Ownership Cost (1.00%)	-	-	-	-		
Hourly Operating Cost (100%)						
Total:	USD \$7,868.28	USD \$2,202.10	USD \$551.80	USD \$82.77	USD \$33.57	USD \$78.28

Non-Active Use Rates

	Hourly
Standby Rate	USD \$22.35
Idling Rate	USD \$58.43

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	16%	USD \$1,232.00/mo
Overhaul (ownership)	68%	USD \$5,236.00/mo
CFC (ownership)	4%	USD \$308.00/mo
Indirect (ownership)	12%	USD \$924.00/mo
Fuel (operating) @ USD 5.03	41%	USD \$13.72/hr

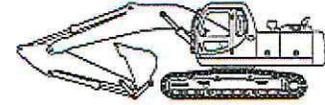
Revised Date: 4th quarter 2022

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The equipment represented in this report has been exclusively prepared for TARA BLONDELL (lci@mchsi.com)

Rental Rate Blue Book®

October 5, 2022

Deere 85G
 Crawler Mounted Hydraulic Excavators

 Size Class:
 8.1 - 10.0 MTons
 Weight:
 N/A

Configuration for 85G

 Operating Weight **19244.0 lbs** Power Mode **Diesel**
Blue Book Rates

** FHWA Rate is equal to the monthly ownership cost divided by 176 plus the hourly estimated operating cost.

	Ownership Costs				Estimated Operating Costs Hourly	FHWA Rate** Hourly
	Monthly	Weekly	Daily	Hourly		
Published Rates	USD \$10,585.00	USD \$2,965.00	USD \$740.00	USD \$110.00	USD \$38.48	USD \$98.62
Adjustments						
Region (Illinois: 101.9%)	USD \$201.12	USD \$56.33	USD \$14.06	USD \$2.09		
Model Year (2015: 99.28%)	(USD \$77.78)	(USD \$21.79)	(USD \$5.44)	(USD \$0.81)		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)					-	
Total:	USD \$10,708.33	USD \$2,999.55	USD \$748.62	USD \$111.28	USD \$38.48	USD \$99.32

Non-Active Use Rates

	Hourly
Standby Rate	USD \$30.42
Idling Rate	USD \$68.65

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	38%	USD \$4,022.30/mo
Overhaul (ownership)	46%	USD \$4,869.10/mo
CFC (ownership)	5%	USD \$529.25/mo
Indirect (ownership)	11%	USD \$1,164.35/mo
Fuel (operating) @ USD 5.03	20%	USD \$7.81/hr

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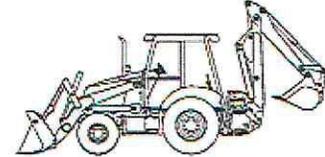
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Rental Rate Blue Book®

October 5, 2022

Deere 410L

Tractor-Loader-Backhoes

 Size Class:
 15' to Under 16'
 Weight:
 N/A

Configuration for 410L

 Power Mode **Diesel**
Blue Book Rates

** FHWA Rate is equal to the monthly ownership cost divided by 176 plus the hourly estimated operating cost.

	Ownership Costs				Estimated Operating Costs	FHWA Rate**
	Monthly	Weekly	Daily	Hourly	Hourly	Hourly
Published Rates	USD \$8,140.00	USD \$2,280.00	USD \$570.00	USD \$86.00	USD \$43.30	USD \$89.55
Adjustments						
Region (Illinois: 101.6%)	USD \$130.24	USD \$36.48	USD \$9.12	USD \$1.38		
Model Year (2020: 99.89%)	(USD \$9.22)	(USD \$2.58)	(USD \$0.65)	(USD \$0.10)		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)					-	
Total:	USD \$8,261.02	USD \$2,313.90	USD \$578.47	USD \$87.28	USD \$43.30	USD \$90.24

Non-Active Use Rates

	Hourly
Standby Rate	USD \$23.47
Idling Rate	USD \$69.06

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	31%	USD \$2,523.40/mo
Overhaul (ownership)	47%	USD \$3,825.80/mo
CFC (ownership)	7%	USD \$569.80/mo
Indirect (ownership)	15%	USD \$1,221.00/mo
Fuel (operating) @ USD 5.03	51%	USD \$22.12/hr

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Rental Rate Blue Book®
Ford F450SD Lariat 4x4 Diesel
 Crew Cab Pickups

 Size Class:
3
 Weight:
 N/A

Configuration for F450SD Lariat 4x4 Diesel

Power Mode	Diesel	Wheelbase	176 Inches
Axle Configuration	4x4	Complete / Incomplete	C
Gross Vehicle Weight	14000 Pounds		

Blue Book Rates

** FHWA Rate is equal to the monthly ownership cost divided by 176 plus the hourly estimated operating cost.

	Ownership Costs				Estimated Operating Costs Hourly USD \$38.78	FHWA Rate** Hourly USD \$62.25
	Monthly	Weekly	Daily	Hourly		
Published Rates	USD \$4,130.00	USD \$1,155.00	USD \$290.00	USD \$44.00		
Adjustments						
Region (Illinois: 100.4%)	USD \$16.52	USD \$4.62	USD \$1.16	USD \$0.18		
Model Year (2020: 97.24%)	(USD \$114.64)	(USD \$32.06)	(USD \$8.05)	(USD \$1.22)		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)					-	
Total:	USD \$4,031.88	USD \$1,127.56	USD \$283.11	USD \$42.95	USD \$38.78	USD \$61.69

Non-Active Use Rates

	Hourly
Standby Rate	USD \$11.45
Idling Rate	USD \$49.48

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	39%	USD \$1,610.70/mo
Overhaul (ownership)	36%	USD \$1,486.80/mo
CFC (ownership)	5%	USD \$206.50/mo
Indirect (ownership)	20%	USD \$826.00/mo
Fuel (operating) @ USD 5.03	69%	USD \$26.57/hr

Revised Date: 4th quarter 2022

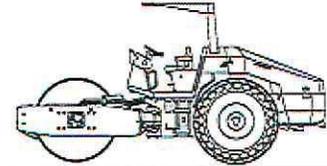
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Rental Rate Blue Book®

October 5, 2022

Hamm H71
 Single Drum Vibratory Compactors

 Size Class:
 5.0 - 7.9 MTons
 Weight:
 N/A

Configuration for H71

Drum Type	Smooth	Drum Width	66.1 in
Horsepower	74.2 hp	Power Mode	Diesel

Blue Book Rates

** FHWA Rate is equal to the monthly ownership cost divided by 176 plus the hourly estimated operating cost.

	Ownership Costs				Estimated Operating Costs Hourly	FHWA Rate** Hourly
	Monthly	Weekly	Daily	Hourly		
Published Rates	USD \$7,300.00	USD \$2,045.00	USD \$510.00	USD \$77.00	USD \$45.04	USD \$86.52
Adjustments						
Region (Illinois: 101.1%)	USD \$80.30	USD \$22.50	USD \$5.61	USD \$0.85		
Model Year (2020: 99.89%)	(USD \$8.39)	(USD \$2.35)	(USD \$0.59)	(USD \$0.09)		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)					-	
Total:	USD \$7,371.91	USD \$2,065.15	USD \$515.02	USD \$77.76	USD \$45.04	USD \$86.93

Non-Active Use Rates

Standby Rate	Hourly	USD \$20.94
Idling Rate		USD \$51.43

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	40%	USD \$2,920.00/mo
Overhaul (ownership)	33%	USD \$2,409.00/mo
CFC (ownership)	8%	USD \$584.00/mo
Indirect (ownership)	19%	USD \$1,387.00/mo
Fuel (operating) @ USD 5.03	21%	USD \$9.54/hr

Revised Date: 4th quarter 2022

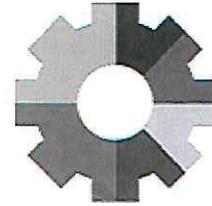
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Rental Rate Blue Book®

October 5, 2022

Miscellaneous 4X2 6YD DSL
 On-Highway Rear Dumps

 Size Class:
 19,501 - 26,000 GWW
 Weight:
 8404 lbs

Configuration for 4X2 6YD DSL

Axle Configuration	4X2	Horsepower	200.0
Maximum Gross Vehicle Weight	25000.0 lbs	Power Mode	Diesel
Struck Capacity	5.0 - 6.0 cu yd		

Blue Book Rates

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	Ownership Costs				Estimated Operating Costs Hourly	FHWA Rate** Hourly
	Monthly	Weekly	Daily	Hourly		
Published Rates	USD \$1,930.00	USD \$540.00	USD \$135.00	USD \$20.00	USD \$36.06	USD \$47.03
Adjustments						
Region (Illinois: 101.5%)	USD \$28.95	USD \$8.10	USD \$2.03	USD \$0.30		
Model Year (2020: 99.9%)	(USD \$1.97)	(USD \$0.55)	(USD \$0.14)	(USD \$0.02)		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)					-	
Total:	USD \$1,956.98	USD \$547.55	USD \$136.89	USD \$20.28	USD \$36.06	USD \$47.18

Non-Active Use Rates

Standby Rate	USD \$5.56
Idling Rate	USD \$39.30

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	56%	USD \$1,080.80/mo
Overhaul (ownership)	28%	USD \$540.40/mo
CFC (ownership)	4%	USD \$77.20/mo
Indirect (ownership)	12%	USD \$231.60/mo
Fuel (operating) @ USD 5.03	78%	USD \$28.18/hr

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