

Request for Approval of Change in Plans

Date: 9/18/2023
 Request No. 3 Final
 Contractor: Copenhaver Constuction, Inc.
 Address: 75 Koppie Dr
Gilberts, IL 60136

Local Agency: Lake County
 Project Name: Cedar Lake Culvert Replacements
 Section No.: 20-00153-12-DR
 Contract Amount: \$ 372,644.00
 P/O No.: _____

I recommend that this _____ addition _____ be made _____ to _____ the above contract. MFT Funds Included:

The estimated quantities are shown below and the contractor agrees to furnish the materials and do the work at the unit prices.

Item #	Item Description	Unit	Changed Quantity	Unit Price	Addition(A) or Deduction(D)	Total Addition	Total Deduction
13	AGGREGATE SHOULDERS, TYPE B	TON	7.00	\$ 85.00	D	\$ -	\$ 595.00
706	Idle Time	Dollar	10967.70	\$ 1.00	A	\$ 10,967.70	\$ -
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						\$ -	\$ -
Total Changes:						\$ 10,967.70	\$ 595.00

Request No. 3

Total Net Change: \$ 10,372.70

Amount of Original Contract: \$ 372,644.00

Amount of Previous Change Orders: \$ 28,007.31

Amount of adjusted/final contract: \$ 411,024.01

Total net addition to date \$ 38,380.01 which is 10.30 % of the contract price.

State fully the nature and reason for the change:

13 - Quantity Not Used


706 - Idle Time for equipment during the AT&T conflict resolution.

When the net increase or decrease in the cost of the contract is \$10,000.00 or more, or the time of completion is increased or decreased by 30 days or more, one of the following statements must be checked:
(for LCDOT, please check a box at all times)

The undersigned has determined that the circumstances which necessitate this change were not reasonably foreseeable at the time the contract was signed.

The undersigned has determined that the change is germane to the original contract as signed.

The undersigned has determined that this change is in the best interest of the Local Agency and is authorized by law.

Prepared By:  Date: 9/18/2023 09/22/23

Print Name & Title: Daniel Martinez, P.E. Resident Engineer

Checked By: _____ Date: _____

Accounting: _____ Date: _____

Approval Recommended: _____ Date: _____
County Engineer

Note: BLR 13210 as updated for LCDOT by GP 6/1/18
Submit 2 copies of this form to IDOT per Agreement of Understanding for MFT projects

COPENHAVER CONSTRUCTION INC.

706

75 Koppie Dr.
Gilberts, IL. 60136
Phone (847) 428.6696
Fax (847) 428.6798
Copenhaverinc@yahoo.com

January 12, 2023

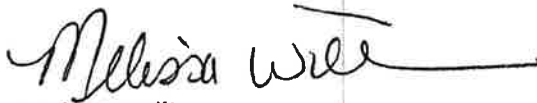
Lake County DOT
600 W Winchester Rd
Libertyville, IL 60048
Attn: Daniel Martinez, PE

Mr. Martinez,

Please see the attached daily idle time worksheet. Idle dates were 10/16-10/25 and 10/27-11/7, the total days are 15 at \$731.18=\$10,967.70.

Please contact me with any questions.

Thank you,


Melissa Williams

Copenhaver Construction Co., Inc.
75 Koppie Drive
Gilberts, IL 60136
847-428-6696

Date: 10/15/2022

Force Account Bill - Lake County Cedar Lake Culvert

Force Account Quote for : Equipment Idle Time

Equipment Expenses			
Description	Total Hours	Rate	Amount
PC 238	8.00	\$ 37.80	\$ 302.40
CAT 299D3	8.00	\$ 26.34	\$ 210.72
621D	8.00	\$ 19.94	\$ 159.52
25W Generator	8.00	\$ 5.62	\$ 44.96
2" Submersible Pump	8.00	\$ 0.95	\$ 7.60
			\$ 725.20
Total Equipment Expense			\$ 725.20

Total Labor		\$ -
Equipment Expenses		\$ 725.20
Total Material		\$ -
Sub total		\$ 725.20
Bond 0.75%	\$ 725.20	\$ 5.44
Plus 10% of bond		\$ 0.54
		\$ 731.18

Affidavit

This is to certify that the material entered on this force account bill which was taken from stock is shown at our cost.

Copenhaver Construction

(company)

By:




Resident

Checked against online Blue Book

www.equipmentwatch.com

All prices shown in US dollars (\$)

Adjustments for PC238 USLC-11 In All Saved Models

October 31, 2022

Komatsu PC238USLC-11
Crawler Mounted Hydraulic Excavators



Size Class:
24.1 - 28.0 MTons
Weight:
N/A

Configuration for PC238USLC-11

Operating Weight **54230.0 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 USD \$55.30	FHWA Rate** Hourly USD \$129.52
	Monthly	Weekly	Daily	Hourly		
Published Rates	USD \$13,065.00	USD \$3,660.00	USD \$915.00	USD \$140.00		
Adjustments						
Region (Illinois: 101.9%)	USD \$248.24	USD \$69.54	USD \$17.39	USD \$2.66		
Model Year (2021: 89.84%)	(USD \$7.35)	(USD \$2.06)	(USD \$0.51)	(USD \$0.08)		
Adjusted Hourly Ownership Cost (1.00%)						
Hourly Operating Cost (1.00%)						
Total:	USD \$13,306.69	USD \$3,727.48	USD \$931.87	USD \$142.58	USD \$55.30	USD \$130.90

Non-Active Use Rates

	Hourly
Standby Rate	USD \$37.80
Idling Rate	USD \$91.47

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	38%	USD \$4,964.70/mo
Overhaul (ownership)	48%	USD \$6,009.90/mo
OFC (ownership)	5%	USD \$653.25/mo
Indirect (ownership)	11%	USD \$1,437.16/mo
Fuel (operating) @ USD 5.08	29%	USD \$15.87/hr

Revised Date: 4th quarter 2022

These are the most accurate rates for the selected Revision Date(s). However, due to more frequent online updates, these rates may not match Rental Rate Blue Book Print. Visit the Cost Recovery Product Guide on our Help page for more information.

The equipment represented in this report has been exclusively prepared for MELISSA WILLIAMS (melissa@copenhaverconstruction.com)

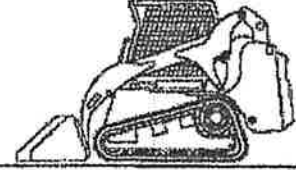
Checked against Online Blue Book

Adjustments for 2021 Cat 299D3 Skidsteer in All Saved Models

October 31, 2022

Caterpillar 299D3
Compact Track Loaders

Size Class:
2851 - 3200 lbs
Weight:
N/A



Configuration for 299D3

Horsepower **96 hp** Operating Capacity (35% Of Tip Load) **3200 lbs**
Operator Protection **ROPS/FOPS** 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 \$9,120.00	USD \$2,555.00	USD \$640.00	USD \$96.00	USD \$38.55	USD \$90.37
Adjustments						
Region (Illinois: 101.7%)	USD \$155.04	USD \$43.44	USD \$10.88	USD \$1.63		
Model Year (2021: 99.85%)	(USD \$5.10)	(USD \$1.43)	(USD \$0.36)	(USD \$0.05)		
Adjusted Hourly Ownership Cost (100%)						
Hourly Operating Cost (100%)						
Total:	USD \$9,289.84	USD \$2,597.01	USD \$659.52	USD \$97.58	USD \$38.55	USD \$91.22

Non-Active Use Rates

	Hourly
Standby Rate	USD \$26.34
Idling Rate	USD \$70.38

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	25%	USD \$2,280.00/mo
Overhaul (ownership)	55%	USD \$5,016.00/mo
CFC (ownership)	4%	USD \$364.80/mo
Indirect (ownership)	16%	USD \$1,459.20/mo
Fuel (operating) @ USD 5.03	46%	USD \$17.69/hr

Revised Date: 4th quarter 2022

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Checked against online Blue Book

Adjustments for Case 621D Wheel loader in All Saved Models

November 1, 2022

Case 621D (disc. 2009)
4-Wd Articulated Wheel Loaders

Size Class:
135 - 149 HP
Weight:
26083 lbs



Configuration for 621D (disc. 2009)

Operator Protection **EROPS** 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 \$6,910.00	USD \$1,936.00	USD \$485.00	USD \$73.00	USD \$35.42	USD \$74.68
Adjustments						
Region (Illinois: 101.6%)	USD \$110.56	USD \$30.96	USD \$7.76	USD \$1.17		
Model Year (2009: 100%)	-	-	-	-		
Adjusted Hourly Ownership Cost (100%)						
Hourly Operating Cost (100%)						
Total:	USD \$7,020.56	USD \$1,966.96	USD \$492.76	USD \$74.17	USD \$35.42	USD \$75.31

Non-Active Use Rates

	Hourly
Standby Rate	USD \$19.94
Idling Rate	USD \$51.38

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	46%	USD \$2,178.60/mo
Overhaul (ownership)	34%	USD \$2,349.40/mo
CFC (ownership)	7%	USD \$483.70/mo
Indirect (ownership)	13%	USD \$898.30/mo
Fuel (operating) @ USD 5.03	32%	USD \$11.49/hr

Revised Date: 4th quarter 2022

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(melissa@copenhaverconstruction.com)



www.equipmentwatch.com

All prices shown in US dollars (\$)

Adjustments for Generator 25 Watt in All Saved Models

October 31, 2022

Multiquip DCA25SS
Large Generator Sets

Size Class:
20 - 50 KW
Weight:
N/A



Configuration for DCA25SS

AED Rental Rates

These rental rates reflect an average for equipment of this type and size. Rates shown for specific brands or models are provided for convenience only. Rates charged by rental companies for specific brands or models will vary depending on many factors

	Monthly	Weekly	Daily
Published Rates	USD \$1,788.00	USD \$723.00	USD \$290.00
Adjustments			
Region (Illinois: 111%)	USD \$188.60	USD \$76.26	USD \$30.59
User Defined			
Rental Rates (100%)			
Total:	USD \$1,976.60	USD \$799.26	USD \$320.59
Date Last Updated: Sep 01, 2022			

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www.equipmentwatch.com

$$\frac{1976.60}{176} = 11.23$$

but need to deduct the operating cost then divide by 2.

= 5.62



www.equipmentwatch.com

All prices shown in US dollars (\$)

Adjustments for 2" Submersible Pump in All Saved Models

October 31, 2022

Wacker 2 ELECT SUBMERSIBLE PUMP 1HP (disc. 2004)
Electric Submersible Pumps

Size Class:
1.6 - 2.0 Inch
Weight:
N/A



Configuration for 2 ELECT SUBMERSIBLE PUMP 1HP (disc. 2004)

AED Rental Rates

These rental rates reflect an average for equipment of this type and size. Rates shown for specific brands or models are provided for convenience only. Rates charged by rental companies for specific brands or models will vary depending on many factors

	Monthly	Weekly	Daily
Published Rates	USD \$353.00	USD \$134.00	USD \$48.00
Adjustments			
Region (Illinois: 95%)	(USD \$18.28)	(USD \$6.84)	(USD \$2.49)
User Defined			
Rental Rates (100%)			
Total:	USD \$334.72	USD \$127.06	USD \$45.51
Date Last Updated: Sep 01, 2022			

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$$\frac{\$334.72}{1.76} - \text{operating} \times 0.5 = 0.95$$

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