

2022-0019

**INTRODUCED BY: MATTHEW JEWELL, PARISH PRESIDENT
(DEPARTMENT OF PUBLIC WORKS)**

ORDINANCE NO. 22-2-4

An ordinance approving and authorizing the execution of Change Order No. 1 for Parish Project No P210302, Asphalt Pavement Maintenance – Task Order 1, to increase the contract amount by \$536,799.31.

WHEREAS, Ordinance No. 21-5-12 adopted May 17, 2021, by the St. Charles Parish Council approved and authorized the execution of a contract with Barriere Construction Co., LLC for the Maintenance Contract of Parish Project No. P210302 Asphalt Pavement Maintenance, with Bid in the amount of \$2,563,450.00; and,

WHEREAS, Ordinance No. 21-8-7 adopted August 9, 2021, by the St. Charles Parish Council approved and authorized the execution of a Professional Services Agreement with Alpha Testing and Inspection, Inc. for the testing of Parish Project No. P210302 Asphalt Pavement Maintenance; and,

WHEREAS, it is necessary to amend the contract to include costs for additional paving and Hurricane Ida road repair by increasing the contract amount by \$536,799.31.

THE ST. CHARLES PARISH COUNCIL HEREBY ORDAINS:

SECTION I. That Change Order No. 1 for Parish Project No. P210302, Asphalt Pavement Maintenance – Task Order 1, to increase the contract amount by \$536,799.31 is hereby approved and accepted.

SECTION II. That the Parish President is hereby authorized to execute said Change Order 1 on behalf of St. Charles Parish.

The foregoing ordinance having been submitted to a vote, the vote thereon was as follows:

YEAS: FONSECA, DARENSBOURG GORDON, CLULEE, GIBBS, DUFRENE, BELLOCK, FISHER

NAYS: NONE

ABSENT: BILLINGS, FISHER-PERRIER

And the ordinance was declared adopted this 7th day of February, 2022, to become effective five (5) days after this publication in the official journal.

CHAIRMAN: Bryk Fisher
SECRETARY: Michelle Dupastato
DLVD/PARISH PRESIDENT: February 8, 2022
APPROVED: _____ DISAPPROVED: _____
PARISH PRESIDENT: Matthew Jewell
RETD/SECRETARY: February 10, 2022
AT: 9:10 am RECD BY: [Signature]

RECORDED IN THE ST. CHARLES PARISH
CLERK OF COURT OFFICE
ON February 10, 2022
AS ENTRY NO. 465866
IN MORTGAGE/CONVEYANCE BOOK
NO. 1984 FOLIO 86

SECTION 00806

CHANGE ORDER

No. 1

DATE OF ISSUANCE January 11, 2022 EFFECTIVE DATE February 7, 2022

Owner: St. Charles Parish

Contractor: Barriere Construction Co., LLC

Contract: Asphalt Pavement Maintenance

Project: _____

Owner's Contract No.: P210302 Engineer's Contract No.: P210302

ENGINEER: St. Charles Parish Department of Public Works/Wastewater

You are directed to make the following changes in the Contract Documents:

Description:

1. Delete the Following Work Items:
There are no items deleted
Total of Deducted Items = (-\$0.00)

2. Add the Following Work Items:
 - a. New Contract Item #X-101: Bayou Estates Median (Work Change Directive 1)
Addition of (+\$23,630.40).
 - b. New Contract Item #X-102: Leveling (1") (Work Change Directive 2)
Item is listed as X02 on directive.
Addition of (+\$169,184.15).
Total of Added Work Items = (+\$192,814.55)

3. Revise the Following Work Item Quantities:
 - a. Contract Item #1: Mobilization
The quantity is to be changed to 2 LS. (+\$ 5,000.00)
 - b. Contract Item #2: Temporary Construction Signs and Barricades
The quantity is to be changed to 2 LS. (+\$ 5,000.00)
 - c. Contract Item #4 Asphaltic Concrete Binder Course (Level 1 – Patching)
The quantity is to be changed to 6,764.72 Ton (+\$ 333,148.76).
 - d. Contract Item #11 ReflectORIZED Raised Pavement Markers (Blue)
The quantity is to be changed to 126 Each (+\$ 836.00)
Total of Change in Work Items Quantity = (+\$343,984.76)

Reason for Change Order: List a reason for each Line Item listed above.

1. Deleted Work Items
No items were deleted.
2. Add Work Items
 - a. Median removal was requested by the Parish.
 - b. Additional inch of asphalt was required after milling of road in Bayou Gauche exposed base material. Additional thickness was required to maintain future integrity of road.
3. Revise Work Item Quantities
 - a. Contract calls for Mobilization on a per Task Order basis. Two Task Orders have been issued.
 - b. Contract calls for Temporary Construction Signs and Barricades on a per Task Order basis. Two Task Orders have been issued.

- c. Increase of Asphaltic Concrete Binder Course (Level 1 – Patching) is due to extra patching required and emergency work done as a result of damage to road in the wake of Hurricane Ida. Work Change Directive 3 authorizes work for Hurricane Ida.

Attachments: Work Change Directive 1
 Work Change Directive 2
 Work Change Directive 3

CHANGE IN CONTRACT PRICE:
Original Contract Price \$ <u>2,563,450.00</u>
Net Increase (Decrease) from previous Change Orders No. ___ to ___: \$ <u>N/A</u>
Contract Price prior to this Change Order: \$ <u>2,563,450.00</u>
Net increase (decrease) of this Change Order: \$ <u>536,799.31</u>
Contract Price with all approved Change Orders: \$ <u>3,100,249.31</u>

CHANGE IN CONTRACT TIMES:
Original Contract Times: Substantial Completion: _____ Ready for final payment: _____ (days or dates)
Net change from previous Change Orders No. ___ to No. ___: Substantial Completion: _____ Ready for final payment: _____ (days)
Contract Times prior to this Change Order: Substantial Completion: _____ Ready for final payment: _____ (days or dates)
Net increase (decrease) this Change Order: Substantial Completion: _____ Ready for final payment: _____ (days)
Contract Times with all approved Change Orders: Substantial Completion: _____ Ready for final payment: _____ (days or dates)

RECOMMENDED:

By: Zachary G. [Signature]
 ENGINEER (Authorized Signature)

Date: 1-20-22

APPROVED:

By: Mathew Jewell [Signature]
 OWNER (Authorized Signature)

Date: 2-9-22

ACCEPTED:

By: C. Val [Signature]
 CONTRACTOR (Authorized Signature)
 Christian Valetton

Date: 1/19/2022

SECTION 00805

WORK CHANGE DIRECTIVE

No. 1

DATE OF ISSUANCE 8/2/21 EFFECTIVE DATE 8/2/21

Owner: St. Charles Parish

Contractor: Barriere Construction Company, LLC

Contract: P210302

Project: Asphalt Pavement Maintenance- Task Order 1

Owner's Contract No.: P210302 Engineer's Contract No.: _____

ENGINEER: St. Charles Parish

Contractor is directed to proceed promptly with the following change(s):
Description: Partial removal of the median island at the front of Bayou Estates Drive.

Attachments: (List documents supporting change) See attached documents

Purpose for Work Change Directive:

Directive to proceed promptly with the Work described herein, prior to agreeing to changes on Contract Price and Contract Time, is issued due to: (check one)

- Non-agreement on pricing of proposed change.
- Necessity to proceed for schedule or other project reasons.

Estimated Change in Contract Price and Contract Times (non-binding, preliminary):

Contract Price: \$23,630.27 [increase]

Contract Time: 0 days [increase] [decrease]

Basis of estimated change in Contract Price:

- Lump Sum
- Unit Price
- Cost of the Work
- Other

Recommended:	Limited Authorization By*:	Received:
By: <u>Zamora</u> Engineer (Authorized Signature)	By: <u>M. G. B. Jr.</u> Owner's Representative*	By: <u>C. V. A. D.</u> Contractor (Authorized Signature)

Title: <u>Sr. Parish Engineer</u>	Title: <u>Director Public Works</u>	Title: <u>PROJECT MANAGER/ESTIMATOR</u>
Date: <u>8-2-21</u>	Date: <u>8/03/2021</u>	Date: <u>8/9/21</u>

*Owner's Representative is not authorized to finalize a Change Order nor does the Work Change Directive substitute the Change Order process as more fully set out in the General Conditions of the Construction Contract.

Approved by Funding Agency (if applicable)

By: _____ Date: _____
Title: _____

St Charles Parish Asphalt Pavement Maintenance
 Barrier Job No. 200167.000
 Change Order #001 - Bayou Estates Median Removal & Replace with 12" Asphalt
 Change Order Breakdown
 7/21/2021

Items to be added to Contract



Item #	Description	UM	Qty	Cost	Total Cost	Notes
X01	Bayou Estates Median Removal & Replace With 12" Asphalt	SY	135	\$175.04	\$23,630.27	
	Items to be added to Contract Total				\$23,630.27	
	Change Order Total				\$23,630.27	

St Charles Parish Asphalt Pavement Maintenance

Proposed Change Order - COST SUMMARY

PROJECT: St Charles Parish Asphalt Pavement Maintenance

CHANGE ORDER NO.: 1

DATE OF WORK: TBD

Description of the work performed:

Bayou Estates Median Removal & Replace With 12" Asphalt



LABOR										
Description	Quantity	Unit	Rate	Subtotal	OT1	OT2	OT3	OT4	OT5	Total
Foreman	1.00	16.00	\$	16.00	\$	\$	\$	\$	\$	\$
Rubber tire Operator	1.00	16.00	\$	16.00	\$ 57.92	\$ 57.92	\$ 926.72	\$ -	\$ -	\$ 926.72
Small Roller Operator	1.00	16.00	\$	16.00	\$ 27.03	\$ 40.55	\$ 432.48	\$ -	\$ -	\$ 432.48
Craftsman	2.00	16.00	\$	32.00	\$ 34.92	\$ 52.38	\$ 558.72	\$ -	\$ -	\$ 558.72
Heavy Operator	1.00	16.00	\$	16.00	\$ 24.96	\$ 37.44	\$ 798.72	\$ -	\$ -	\$ 798.72
Bobcat Operator	2.00	16.00	\$	32.00	\$ 34.92	\$ 52.38	\$ 558.72	\$ -	\$ -	\$ 558.72
Broom Operator	2.00	16.00	\$	32.00	\$ 27.03	\$ 40.55	\$ 864.96	\$ -	\$ -	\$ 864.96
Broom Operator	1.00	16.00	\$	16.00	\$ 27.03	\$ 40.55	\$ 432.48	\$ -	\$ -	\$ 432.48
Total Hours				144.00						
Craft Hours				128.00						
Salary Hours				16.00						
Subtotals - Labor										\$ 4,572.80
Payroll Taxes										\$ 457.28
Insurance (General Liability, Workers Comp)										\$ 1,006.02
Staff Personnel Benefits										\$ -
Hourly Personnel Benefits										\$ -
Subtotals - Labor Insurance & Taxes, Benefits										\$ 1,463.30
Labor Subtotal:										\$ 6,036.10
Labor Total:										\$ 6,036.10
MATERIAL										
Superpave Level 1 Base	90.00	tons	\$	72.75						\$ 6,547.50
Asphalt Emulsion SS-1HH	40.00	GAL	\$	2.42						\$ 96.80
Tax 10 %										
Materials Subtotal:										\$ 6,644.30
EQUIPMENT- Blue Book										
Service Truck	1.00	16.00	\$	24.27						\$ 358.32
Rubber tire	1.00	16.00	\$	39.34						\$ 639.44
Broom Operator	1.00	16.00	\$	32.32						\$ 515.68
Foreman Trailer	1.00	16.00	\$	26.32						\$ 421.12
Small Roller	1.00	16.00	\$	34.79						\$ 556.64
Bobcat	2.00	16.00	\$	46.03						\$ 1,472.96
325 Excavator	1.00	16.00	\$	112.35						\$ 1,797.60
Foreman Truck	1.00	16.00	\$	5.00						\$ 80.00
Blue Book Equipment Subtotal:										\$ 5,861.76
DIRECT COST (Labor & Materials) = \$12,680.40 Plus (Mark Up On Labor & Materials): 15% = \$1,902.06 DIRECT COST (Equipment) = \$5,861.76 SUBTOTAL = \$20,444.22										
SUBCONTRACTORS										
Hired	Trucking	Asphalt Triaxles (2 Trucks @ 8 HR/EA)	16	Hr	\$	85.00				\$ 1,360.00
Hired	Trucking	Excavation Haul Triaxles (2 Trucks @ 8 HR/EA)	16	Hr	\$	85.00				\$ 1,360.00
Subcontracts Subtotal:										\$ 2,720.00
SUBCONTRACT COST = \$2,720.00 Plus (Mark Up): 10% = \$272.00 SUBTOTAL = \$2,992.00										
TOTAL										
Subtotal = \$23,436.22 Bond Cost (\$7.20 / \$1000.00 + 15% Markup) = \$194.05 TOTAL COST = \$23,630.27 Qty = 135.00 SY Unit Price = \$175.04 SY										

Rental Rate Blue Book®

August 25, 2020

Broce RJ-350
 Self Propelled Pavement Brooms

 Size Class:
All
 Weight:
N/A

Configuration for RJ-350

Horsepower	80.0	Power Mode	Diesel
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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 \$2,490.00	USD \$700.00	USD \$175.00	USD \$26.00	USD \$17.45	USD \$31.60
Adjustments						
Region (Louisiana: 93.3%)	(USD \$166.83)	(USD \$46.90)	(USD \$11.73)	(USD \$1.74)		
Model Year (2020: 100%)	-	-	-	-		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)					-	
Total:	USD \$2,323.17	USD \$653.10	USD \$163.27	USD \$24.26	USD \$17.45	USD \$30.65

Non-Active Use Rates

	Hourly
Standby Rate	USD \$5.81
Idling Rate	USD \$20.30

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	35%	USD \$871.50/mo
Overhaul (ownership)	56%	USD \$1,394.40/mo
CFC (ownership)	3%	USD \$74.70/mo
Indirect (ownership)	6%	USD \$149.40/mo
Fuel (operating) @ USD 2.40	41%	USD \$7.10/hr

Revised Date: 2nd half 2020

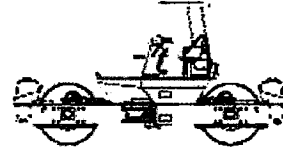
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 The equipment represented in this report has been exclusively prepared for HEATH WAHDEN
 (heathw@barriere.com)

Rental Rate Blue Book®

September 19, 2016

Caterpillar CB-34 XW
 Tandem Vibratory Compactors

 Size Class:
 3.0 - 4.9 MTons
 Weight:
 9,259 lbs.

Configuration for CB-34 XW

Power Mode	Diesel	Net Horsepower	45 hp
Drum Width	55 in		

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	\$3,820.00	\$1,070.00	\$270.00	\$41.00	\$13.30	\$35.00
Adjustments						
Region (Louisiana: 99%)	(\$38.20)	(\$10.70)	(\$2.70)	(\$0.41)		
Model Year (100%)	-	-	-	-		
Ownership (100%)	-	-	-	-		
Operating (100%)					-	
Total:	\$3,781.80	\$1,059.30	\$267.30	\$40.59	\$13.30	\$34.79

Rate Element Allocation

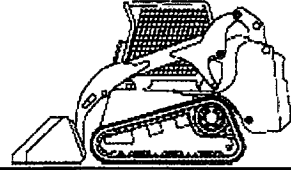
Element	Percentage	Value
Depreciation (ownership)	28%	\$1,069.60/mo
Overhaul (ownership)	55%	\$2,101.00/mo
CFC (ownership)	9%	\$343.80/mo
Indirect (ownership)	8%	\$305.60/mo
Fuel (operating) @ 2.78	22%	\$2.94/hr

Revised Date: 1st Half 2016

Rental Rate Blue Book®

May 10, 2021

Caterpillar 289D
 Compact Track Loaders

 Size Class:
 2501 - 2850 lbs
 Weight:
 N/A

Configuration for 289D

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 \$5,525.00	USD \$1,550.00	USD \$390.00	USD \$59.00	USD \$18.47	USD \$49.86
Adjustments						
Region (Louisiana: 87.8%)	(USD \$674.05)	(USD \$189.10)	(USD \$47.58)	(USD \$7.20)		
Model Year (2021: 100%)	-	-	-	-		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)					-	
Total:	USD \$4,850.95	USD \$1,360.90	USD \$342.42	USD \$51.80	USD \$18.47	USD \$46.03

Non-Active Use Rates

	Hourly
Standby Rate	USD \$13.78
Idling Rate	USD \$34.38

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	38%	USD \$2,099.50/mo
Overhaul (ownership)	50%	USD \$2,762.50/mo
CFC (ownership)	3%	USD \$165.75/mo
Indirect (ownership)	9%	USD \$497.25/mo
Fuel (operating) @ USD 2.53	37%	USD \$6.82/hr

Revised Date: 1st half 2021

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 (justinh@barriere.com)

Rental Rate Blue Book®

February 23, 2021

Caterpillar 325F L
 Crawler Mounted Hydraulic Excavators

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

Configuration for 325F L

 Operating Weight **57100 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 \$53.53	FHWA Rate** Hourly USD \$120.15
	Monthly	Weekly	Daily	Hourly		
Published Rates	USD \$11,725.00	USD \$3,285.00	USD \$620.00	USD \$125.00		
Adjustments						
Region (Louisiana: 88.3%)	(USD \$1,371.82)	(USD \$384.35)	(USD \$95.94)	(USD \$14.63)		
Model Year (2021: 100%)	-	-	-	-		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)						
Total:	USD \$10,353.17	USD \$2,900.66	USD \$724.06	USD \$110.38	USD \$53.53	USD \$112.35

Non-Active Use Rates

	Hourly
Standby Rate	USD \$30.59
Idling Rate	USD \$75.90

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	42%	USD \$4,924.50/mo
Overhaul (ownership)	48%	USD \$5,628.00/mo
CFC (ownership)	3%	USD \$351.75/mo
Indirect (ownership)	7%	USD \$620.75/mo
Fuel (operating) @ USD 2.53	32%	USD \$17.08/hr

Revised Date: 1st half 2021

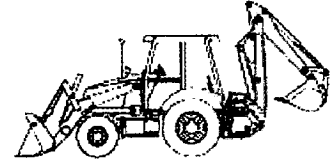
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 (heathw@barriere.com)

Rental Rate Blue Book®

August 25, 2020

Caterpillar 416F2
 Tractor-Loader-Backhoos

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

Configuration for 416F2

Drive	4WD	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 \$3,845.00	USD \$1,075.00	USD \$270.00	USD \$41.00	USD \$18.76	USD \$40.61
Adjustments						
Region (Louisiana: 94.2%)	(USD \$223.01)	(USD \$62.35)	(USD \$15.66)	(USD \$2.38)		
Model Year (2020: 100%)	-	-	-	-		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)						
Total:	USD \$3,621.99	USD \$1,012.65	USD \$254.34	USD \$38.62	USD \$18.76	USD \$39.34

Non-Active Use Rates

	Hourly
Standby Rate	USD \$10.70
Idling Rate	USD \$28.70

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	36%	USD \$1,384.20/mo
Overhaul (ownership)	48%	USD \$1,845.60/mo
CFC (ownership)	7%	USD \$269.15/mo
Indirect (ownership)	9%	USD \$346.05/mo
Fuel (operating) @ USD 2.40	43%	USD \$8.12/hr

Revised Date: 2nd half 2020

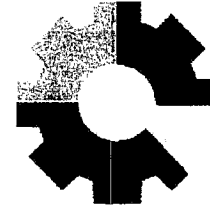
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 (heathw@barriere.com)

Rental Rate Blue Book®

August 25, 2020

Miscellaneous 4X2 25KGVW DSL
 On-Highway Flatbed Trucks

 Size Class:
19,501 - 26,000 GVW
 Weight:
9204 lbs

Configuration for 4X2 25KGVW DSL

Axle Configuration	4X2	Horsepower	200.0
Maximum Gross Vehicle Weight	25000.0 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 \$1,575.00	USD \$440.00	USD \$110.00	USD \$17.00	USD \$15.69	USD \$24.64
Adjustments						
Region (Louisiana: 95.9%)	(USD \$64.57)	(USD \$18.04)	(USD \$4.51)	(USD \$0.70)		
Model Year (2020: 100%)	-	-	-	-		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)					-	
Total:	USD \$1,510.43	USD \$421.96	USD \$105.49	USD \$16.30	USD \$15.69	USD \$24.27

Non-Active Use Rates

	Hourly
Standby Rate	USD \$3.00
Idling Rate	USD \$17.99

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	27%	USD \$425.25/mo
Overhaul (ownership)	65%	USD \$1,023.75/mo
CFC (ownership)	3%	USD \$47.25/mo
Indirect (ownership)	5%	USD \$78.75/mo
Fuel (operating) @ USD 2.40	60%	USD \$9.41/hr

Revised Date: 2nd half 2020

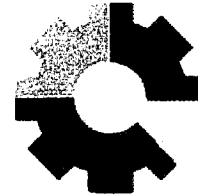
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 (heathw@barriere.com)

Rental Rate Blue Book®

July 9, 2021

Miscellaneous LEVEL 4 75
 Fixed Gooseneck Equipment Trailers

 Size Class:
 All
 Weight:
 25400 lbs

Configuration for LEVEL 4 75

Capacity	75.0 t	Deck Length	20.0 ft
Deck Type	Level	Number Of Axles	4.0

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 \$11.75	FHWA Rate** Hourly USD \$28.03
	Monthly	Weekly	Daily	Hourly		
Published Rates	USD \$2,865.00	USD \$805.00	USD \$200.00	USD \$30.00		
Adjustments						
Region (Louisiana: 89.5%)	(USD \$300.83)	(USD \$84.53)	(USD \$21.00)	(USD \$3.15)		
Model Year (2021: 100%)	-	-	-	-		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)					-	
Total:	USD \$2,564.18	USD \$720.47	USD \$179.00	USD \$26.85	USD \$11.75	USD \$26.32

Non-Active Use Rates

	Hourly
Standby Rate	USD \$9.18
Idling Rate	USD \$14.57

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	44%	USD \$1,260.60/mo
Overhaul (ownership)	37%	USD \$1,060.05/mo
CFC (ownership)	2%	USD \$57.30/mo
Indirect (ownership)	17%	USD \$487.05/mo

Fuel cost data is not available for these rates.

Revised Date: 3rd quarter 2021

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 (joshua@barriere.com)

SECTION 00805

WORK CHANGE DIRECTIVE

No. 2

DATE OF ISSUANCE 8/25/21 EFFECTIVE DATE 8/25/21

Owner: St. Charles Parish
Contractor: Barriere Construction Company, LLC
Contract: P210302
Project: Asphalt Pavement Maintenance – Task Order 1
Owner's Contract No.: P210302 Engineer's Contract No.: _____
ENGINEER: St. Charles Parish

Contractor is directed to proceed promptly with the following change(s):
Description: Install an additional one inch (1") leveling course to Mark Dr, Matthew Dr, Pleasant Valley Dr; and Bayou Estates due to base exposure during milling of roads.

Approval of an additional mix design for use on the project. Streets paved will be noted by Contractor.

Attachments: (List documents supporting change)
Price quote for item X02 for 1" Leveling Course
Copy of approved mix design

Purpose for Work Change Directive:

Directive to proceed promptly with the Work described herein, prior to agreeing to changes on Contract Price and Contract Time, is issued due to: (check one)

- Non-agreement on pricing of proposed change.
- Necessity to proceed for schedule or other project reasons.

Estimated Change in Contract Price and Contract Times (non-binding, preliminary):

Contract Price: \$ 177,421.76 [increase] [decrease]

Contract Time _____ days [increase] [decrease]

Basis of estimated change in Contract Price:

- Lump Sum Unit Price
- Cost of the Work Other

Recommended: Limited Authorization By*: Received:
By: Zanez Eugene By: Amel B. B. B. By: C. J. A.
Engineer (Authorized Signature) Owner's Representative* Contractor (Authorized Signature)
Title: Sr Parish Engr Title: PW Director Title: PROJECT MANAGER
Date: 8-25-21 Date: 08/25/2021 Date: 9/21/21

*Owner's Representative is not authorized to finalize a Change Order nor does the Work Change Directive substitute the Change Order process as more fully set out in the General Conditions of the Construction Contract.

Approved by Funding Agency (if applicable)

By: _____ Date: _____
Title: _____

St Charles Parish Asphalt Pavement Maintenance
 Barriere Job No. 200167.000
 Change Order #002 - 1" Leveling Course
 Change Order Breakdown
 8/24/2021



Items to be added to Contract

Item #	Description	UM	Qty.	Cost	Total Cost	Notes
X02	1" Leveling Course	SY	30,850.00	\$5.75	\$177,421.76	
	Items to be added to Contract Total				\$177,421.76	
	Change Order Total				\$177,421.76	

St Charles Parish Asphalt Pavement Maintenance

Proposed Change Order - COST SUMMARY

PROJECT: St Charles Parish Asphalt Pavement Maintenance

CHANGE ORDER NO.: 2

DATE OF WORK: TBD

Description of the work performed:
1" Leveling Course

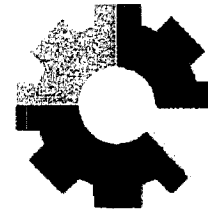


LABOR										
Foreman	Salary Hours	1.00	24.00		24.00	\$ 57.92	\$ 57.92	\$ 1,390.08	\$ -	\$ 1,390.08
Tack Truck Operator	Craft Hours	1.00	24.00	9.00	33.00	\$ 27.03	\$ 40.55	\$ 648.72	\$ 364.91	\$ 1,013.63
Paver Operator	Craft Hours	3.00	24.00	9.00	99.00	\$ 34.92	\$ 52.38	\$ 2,514.24	\$ 471.42	\$ 2,985.66
Roller Operator	Craft Hours	3.00	24.00	9.00	99.00	\$ 34.92	\$ 52.38	\$ 2,514.24	\$ 471.42	\$ 2,985.66
Asphalt Raker/Luteman	Craft Hours	3.00	24.00	9.00	99.00	\$ 24.96	\$ 37.44	\$ 1,797.12	\$ 336.96	\$ 2,134.08
QC Technician	Craft Hours	1.00	24.00	9.00	33.00	\$ 36.42	\$ 54.63	\$ 874.08	\$ 491.67	\$ 1,365.75
Rubber Tire Operator	Craft Hours	1.00	24.00	9.00	33.00	\$ 27.03	\$ 40.55	\$ 648.72	\$ 364.91	\$ 1,013.63
	Total Hours				420.00					
	Craft Hours				396.00					
	Salary Hours				24.00					
	Subtotals - Labor								\$ 12,888.48	\$ 12,888.48
	Payroll Taxes					10.00%	of	Total Wages		\$ 1,288.85
	Insurance (General Liability, Workers Comp)					22.00%	of	Total Wages		\$ 2,835.47
Insurance, Benefits, & Taxes (Labor Burden)	Staff Personnel Benefits				\$ -	Per HR	Total Hours (Salary only)		\$ -	
	Hourly Personnel Benefits				\$ -	Per HR	Total Hours (Craft only)		\$ -	
	Subtotals - Labor Insurance & Taxes, Benefits								\$ 4,124.31	\$ 4,124.31
									Labor Subtotal: \$ 17,012.79	
									Labor Total: \$ 17,012.79	
MATERIAL										
Superspave Level A Incidental		1697.00	TONS	\$	60.45					\$ 102,583.65
Asphalt Emulsion SS-1HH		1851.00	gal	\$	2.42					\$ 4,479.42
									Tax 10 %	
									Materials Subtotal: \$ 107,063.07	
EQUIPMENT- Blue Book										
Service Truck	Misc 4x2 25KGVW DSL On Highway Flatbed Trucks	1.00	33.00	\$	24.27				Equipment Watch	\$ 800.91
Rubber tire	Caterpillar 416F2 Tractor-Loader-Backhoe	1.00	33.00	\$	39.34				Equipment Watch	\$ 1,298.22
Broom	Broce RJ-350 Self propelled Pavement Brooms	1.00	33.00	\$	30.65				Equipment Watch	\$ 1,011.45
Tack Truck	Misc 4x2 25KGVW DSL On Highway Flatbed Trucks	1.00	33.00	\$	24.27				Equipment Watch	\$ 800.91
Asphalt Paver	Caterpillar AP1055F Crawler Mounted Asphalt Pavers	1.00	33.00	\$	274.35				Equipment Watch	\$ 9,053.55
Large Roller	Caterpillar CB54B Tandem Vibratory Compactors	2.00	33.00	\$	76.42				Equipment Watch	\$ 5,043.72
QC Trailer	Misc LEVEL 2 22.5 Fixed Goosneck Equipment Trailers	1.00	33.00	\$	11.16				Equipment Watch	\$ 368.28
Small Roller	Caterpillar CB-24 Tandem Vibratory Compactors	1.00	33.00	\$	26.52				Equipment Watch	\$ 875.49
									Blue Book Equipment Subtotal: \$ 19,252.53	
DIRECT COST (Labor & Materials) = \$124,075.86 Plus (Mark Up On Labor & Materials): 15% = \$18,611.38 DIRECT COST (Equipment) = \$19,252.53 SUBTOTAL = \$161,939.77										
SUBCONTRACTORS										
	Hired	Trucking	Asphalt Triaxes (5 Trucks @ 10 HR/EA for 3 days)	150	Hr	\$ 85.00				\$ 12,750.00
										\$ -
										\$ -
									Subcontracts Subtotal: \$ 12,750.00	
SUBCONTRACT COST = \$12,750.00 Plus (Mark Up): 10% = \$1,275.00 SUBTOTAL = \$14,025.00										
TOTAL										
Subtotal = \$175,964.77 Bond Cost (\$7.20 / \$1000.00 + 15% Markup) = \$1,456.99 TOTAL COST = \$177,421.76 Qty = 30,850.00 SY Unit Price \$5.75 SY										

Rental Rate Blue Book®

August 25, 2020

Broce RJ-350
 Self Propelled Pavement Brooms

 Size Class:
 All
 Weight:
 N/A

Configuration for RJ-350

 Horsepower **80.0** 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 \$2,490.00	USD \$700.00	USD \$175.00	USD \$26.00	USD \$17.45	USD \$31.60
Adjustments						
Region (Louisiana: 93.3%)	(USD \$166.83)	(USD \$46.90)	(USD \$11.73)	(USD \$1.74)		
Model Year (2020: 100%)	-	-	-	-		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)					-	
Total:	USD \$2,323.17	USD \$653.10	USD \$163.27	USD \$24.26	USD \$17.45	USD \$30.65

Non-Active Use Rates

	Hourly
Standby Rate	USD \$5.81
Idling Rate	USD \$20.30

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	35%	USD \$871.50/mo
Overhaul (ownership)	56%	USD \$1,394.40/mo
CFC (ownership)	3%	USD \$74.70/mo
Indirect (ownership)	6%	USD \$149.40/mo
Fuel (operating) @ USD 2.40	41%	USD \$7.10/hr

Revised Date: 2nd half 2020

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.

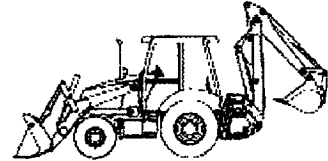
 The equipment represented in this report has been exclusively prepared for HEATH WAHDEN
 (heathw@barriere.com)

Rental Rate Blue Book®

August 25, 2020

Caterpillar 416F2

Tractor-Loader-Backhoes

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

Configuration for 416F2

Drive	4WD	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	FHWA Rate**
	Monthly	Weekly	Daily	Hourly	Hourly	Hourly
Published Rates	USD \$3,845.00	USD \$1,075.00	USD \$270.00	USD \$41.00	USD \$18.76	USD \$40.61
Adjustments						
Region (Louisiana: 94.2%)	(USD \$223.01)	(USD \$62.35)	(USD \$15.66)	(USD \$2.38)		
Model Year (2020: 100%)	-	-	-	-		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)					-	
Total:	USD \$3,621.99	USD \$1,012.65	USD \$254.34	USD \$38.62	USD \$18.76	USD \$39.34

Non-Active Use Rates

	Hourly
Standby Rate	USD \$10.70
Idling Rate	USD \$26.70

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	36%	USD \$1,384.20/mo
Overhaul (ownership)	48%	USD \$1,845.60/mo
CFC (ownership)	7%	USD \$269.15/mo
Indirect (ownership)	9%	USD \$346.05/mo
Fuel (operating) @ USD 2.40	43%	USD \$8.12/hr

Revised Date: 2nd half 2020

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www.equipmentwatch.com

All prices shown in US dollars (\$)

Rental Rate Blue Book®

August 25, 2020

Caterpillar AP1055F

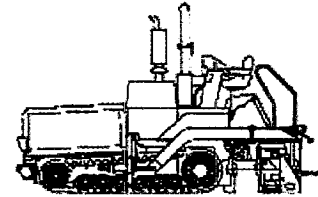
Crawler Mounted Asphalt Pavers

Size Class:

35,500 lbs & Over

Weight:

N/A



Configuration for AP1055F

Horsepower **225.0 hp** Power Mode **Diesel**
 Screed Model **SE60 V**

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 \$30,060.00	USD \$8,415.00	USD \$2,105.00	USD \$315.00	USD \$119.44	USD \$290.24
Adjustments						
Region (Louisiana: 90.7%)	(USD \$2,795.58)	(USD \$782.59)	(USD \$195.76)	(USD \$29.30)		
Model Year (2020: 100%)	-	-	-	-		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)					-	
Total:	USD \$27,264.42	USD \$7,632.40	USD \$1,909.23	USD \$285.70	USD \$119.44	USD \$274.35

Non-Active Use Rates

Standby Rate **Hourly** USD \$57.32
 Idling Rate USD \$177.05

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	27%	USD \$8,116.20/mo
Overhaul (ownership)	63%	USD \$18,937.80/mo
CFC (ownership)	4%	USD \$1,202.40/mo
Indirect (ownership)	6%	USD \$1,803.60/mo
Fuel (operating) @ USD 2.40	19%	USD \$22.14/hr

Revised Date: 2nd half 2020

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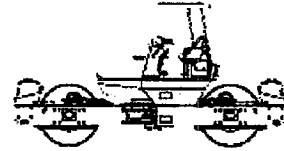
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 (heathw@barriere.com)

Rental Rate Blue Book®

August 25, 2020

Caterpillar CB-24

Tandem Vibratory Compactors

 Size Class:
1.8 - 2.9 MTons
 Weight:
5952 lbs

Configuration for CB-24

 Drum Width **47.0 in** 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 \$2,990.00	USD \$840.00	USD \$210.00	USD \$32.00	USD \$10.49	USD \$27.48
Adjustments						
Region (Louisiana: 94.4%)	(USD \$167.44)	(USD \$47.04)	(USD \$11.76)	(USD \$1.79)		
Model Year (2020: 100%)	-	-	-	-		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)					-	
Total:	USD \$2,822.56	USD \$792.96	USD \$198.24	USD \$30.21	USD \$10.49	USD \$26.53

Non-Active Use Rates

	Hourly
Standby Rate	USD \$7.06
Idling Rate	USD \$17.83

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	30%	USD \$897.00/mo
Overhaul (ownership)	56%	USD \$1,674.40/mo
CFC (ownership)	5%	USD \$149.50/mo
Indirect (ownership)	9%	USD \$269.10/mo
Fuel (operating) @ USD 2.40	17%	USD \$1.79/hr

Revised Date: 2nd half 2020

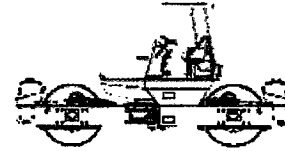
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 (heathw@barriere.com)

Rental Rate Blue Book®

August 25, 2020

Caterpillar CB54B
 Tandem Vibratory Compactors

 Size Class:
 8.0 - 11.2 MTons
 Weight:
 N/A

Configuration for CB54B

 Drum Width **67.0 in** 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 \$9,955.00	USD \$2,790.00	USD \$700.00	USD \$105.00	USD \$23.02	USD \$79.58
Adjustments						
Region (Louisiana: 94.4%)	(USD \$557.48)	(USD \$156.24)	(USD \$39.20)	(USD \$5.88)		
Model Year (2020: 100%)	-	-	-	-		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)					-	
Total:	USD \$9,397.52	USD \$2,633.76	USD \$660.80	USD \$99.12	USD \$23.02	USD \$76.42

Non-Active Use Rates

	Hourly
Standby Rate	USD \$23.49
Idling Rate	USD \$53.40

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	30%	USD \$2,986.50/mo
Overhaul (ownership)	56%	USD \$5,574.80/mo
CFC (ownership)	5%	USD \$497.75/mo
Indirect (ownership)	9%	USD \$895.95/mo

Fuel cost data is not available for these rates.

Revised Date: 2nd half 2020

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All prices shown in US dollars (\$)

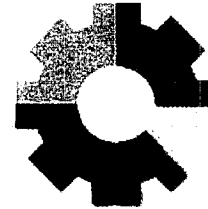
Rental Rate Blue Book®

September 9, 2019

Miscellaneous LEVEL 2 22.5

Fixed Gooseneck Equipment Trailers

Size Class:
All
Weight:
8900 UNKNOWN



Configuration for LEVEL 2 22.5

Capacity	22.5 t	Deck Length	14' - 18'
Deck Type	Level	Number Of Axles	2.0

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 \$1,110.00	USD \$310.00	USD \$78.00	USD \$12.00	USD \$5.35	USD \$11.66
Adjustments						
Region (Louisiana: 92.5%)	(USD \$83.25)	(USD \$23.25)	(USD \$5.85)	(USD \$0.90)		
Model Year (2019: 100%)	-	-	-	-		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)					-	
Total:	USD \$1,026.75	USD \$286.75	USD \$72.15	USD \$11.10	USD \$5.35	USD \$11.18

Non-Active Use Rates

	Hourly
Standby Rate	USD \$3.73
Idling Rate	USD \$5.83

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	44%	USD \$488.40/mo
Overhaul (ownership)	36%	USD \$399.60/mo
CFC (ownership)	8%	USD \$88.80/mo
Indirect (ownership)	12%	USD \$133.20/mo

Fuel cost data is not available for these rates.

Revised Date: 2nd half 2019

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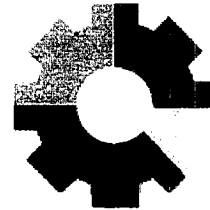
All prices shown in US dollars (\$)

Rental Rate Blue Book®

August 25, 2020

Miscellaneous 4X2 25KGVW DSL
On-Highway Flatbed Trucks

Size Class:
19,501 - 26,000 GVW
Weight:
9204 lbs



Configuration for 4X2 25KGVW DSL

Axle Configuration	4X2	Horsepower	200.0
Maximum Gross Vehicle Weight	25000.0 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 \$15.69	FHWA Rate** Hourly USD \$24.64
	Monthly	Weekly	Daily	Hourly		
Published Rates	USD \$1,575.00	USD \$440.00	USD \$110.00	USD \$17.00		
Adjustments						
Region (Louisiana: 95.9%)	(USD \$64.57)	(USD \$18.04)	(USD \$4.51)	(USD \$0.70)		
Model Year (2020: 100%)	-	-	-	-		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)						
Total:	USD \$1,510.43	USD \$421.96	USD \$105.49	USD \$16.30	USD \$15.69	USD \$24.27

Non-Active Use Rates

	Hourly
Standby Rate	USD \$3.00
Idling Rate	USD \$17.99

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	27%	USD \$425.25/mo
Overhaul (ownership)	65%	USD \$1,023.75/mo
CFC (ownership)	3%	USD \$47.25/mo
Indirect (ownership)	5%	USD \$78.75/mo
Fuel (operating) @ USD 2.40	60%	USD \$9.41/hr

Revised Date: 2nd half 2020

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(heathw@barriere.com)

JMF SUPERPAVE FORM

Project No.	210067	Mix Code	26	JMF No.	485	SMM ID	C	Traffic (ADT)	N/A
Project Name	SCP - Asphalt St Maintenance	Design Level	SMA	Plant Type	3-dryer drum	Prod. Rate	300	Mix Temp	325
Project Eng.	Lee Zeringue	Mix Type	Wearing Course	Norm Agg Size	0.5 in.	Date	8/25/2002	AC Corr Factor	0.30
Submitted	Barriere Construction	Mix Use	ML - Wearing	Specs	2016				
Contractor Mix #	PB 462	SMM P/S	PS00000580-Barriere Construction Company, LLC - Boutte						

Source Code	Aggregate Type	%	Apparent Gravity	Bulk Gravity	Abs.	FAA Method A	Sand Eq. - 4.75 mm	Flat & Elong %5:1	CAA	FR	%Ret No.8	%Ret No.4	
APS00006890	1003M00110-1/4 X 0 Limestone	17.5	2.741	2.668	1.00	47				III	13	5	Fine
APS00006880	1003M00120-# 78 Sandstone	23.8	2.668	2.585	1.20			0.6	100	I	91	76	Coarse
APS00006890	1003M00120-# 7 Limestone	6.6	2.726	2.668	0.80			1.3	100	III	98	94	Coarse
APS00006890	1003M00120-# 78 Limestone	33.1	2.713	2.682	0.70			0.3	100	III	97	89	Coarse
APS00006880	1003M00120-# 67M Sandstone	19.0	2.662	2.580	1.20			3.1	100	I	93	81	Coarse
Combined Aggregates Properties		100.0	2.698	2.628	0.97	47		1.1	100.0				

	Code/Grade	Material	%	Sp. Gravity
Asphalt	APS00000310	1002M00050-PG76-22M - Valero	6.0	
Alt. Asphalt	APS00000400	1002M00050-PG76-22m - Marathon		
Alt. Asphalt				
Asphalt Content from RAP			0.0	
Anti-strip	APS00003920	1002M00220-Ad-Here LA2	0.6	

Warm Mix Asphalt	
Warm Mix	No
Method	
Rate	
If Chemical	
Brand Name	

Friction >50 or I/I>75

Design Submitted by Contractor

Average Velometrics		Sieve		Cold Feed		Avg Oven Extract		Validated Results	
Gmm	Nini	% Passing	% Passing	% Passing	% Passing	% Passing	Tolerance		
2.412	86.6	1.5"	37.6	100	100				
%Gmm,Nini		1"	26	100	100				
%Gmm,Nmax		3/4"	19	100	100				
Gmb@Des,cor	2.328	1/2"	12.5	90	91				
VMA	16.8	3/8"	9.5	73	73				
VFA	79	#4	4.75	30	32				
%Voids	3.5	#8	2.36	20	21				
%DesignAC	6.0	#16	1.18	16	18				
Geb agg	2.829	#30	0.6	13	15				
Comp Temp	300	#50	0.3	11	12				
%Crushed	100	#100	0.15	8	10				
dust/Peff	1.37	#200	0.075	7.1	8.1				
Gee	2.638	% Extracted AC		6.0					
Pabsorb	0.13								
Pbe	5.9								
SCB	1.0								

Draindown Control	
Fibers	Cellulose Fiber
Rate	0.20%
If Chemical	1002M00230-HI Tech
Brand Name	Solutions

	Rep 1	Rep 2
Type		
Percent		
Residual%		
Agg %		
Rep AC%		

AASHTO T324

Average Rut (mm)	4.43
Results (Pass/Fail)	PASS

AASHTO T283 as modified by PP28

Control PSI	
Design TSR%	

Gyr. Rev	
Nini	
Ndes	
Nmax	

Proposal approved by: _____ Date: _____

Validation approved by: _____ Date: _____

Submitted for contractor by: Mark Bass Date: 8-25-2002

Remarks: 0

Louisiana Department of Transportation and Development
JMF SUPERPAVE ASPHALTIC CONCRETE MIXTURES

Project No.	Metric/English	Plant Code	SMM ID
210087	E	PS00000560-Barriere Construction Company, LLC - Boutte	0
Specs	Plant Type	Mix Type	Wearing Course
2016	3-dryer drum	Wearing Course	ML - Wearing
ESAL	Prod.Rate	Mix Temp	Des.Level
N/A	300	325	SMA
Adj. Factor	ADT/lane	Nom.Agg.Size	Seq No
1.00	N/A	0.5 in.	485
Project Name	Project Cont.	Barriere Construction	AC Corr Factor
SCP - Asphalt St Maintenance			0.30
	Mix Type	Wearing Course	Project Engr
			Lee Zeringue
			Mix Use
			ML - Wearing

Material	Source Code	Aggr. Type	Aggr. %	Bulk Sp Gr, Gsb	Abs.	FAA	Sand Eq	Flat& Elong	CAA	Fr. Rate	%Ret #8
Cr. Aggr	APS00006880	1003M00120-# 78 Sandstone	23.8	2.685	1.2			0.6	100	I	91
Cr. Aggr	APS00006890	1003M00120-# 7 Limestone	6.6	2.668	0.8			1.3	100	III	98
Cr. Aggr	APS00006890	1003M00120-# 78 Limestone	33.1	2.662	0.7			0.3	100	III	97
Cr. Aggr	APS00006880	1003M00120-# 67M Sandstone	19.0	2.680	1.2			3.1	100	I	93
Fine Aggr	APS00006890	1003M00110-1/4 X 0 Limestone	17.5	2.668	1	47				III	13
Composite			GSB	2.629	0.97	47		1.1	100		

Asphalt Cement and Additives				Loaded Wheel Test	
Material	Source Code	Material Name	% of Mix	Design:	No. Passes
Asphalt Cement	APS00000510	1002M00050-PG76-22M - Valero	6.0	Rut	20000
Alternate Asphalt	APS00000400	1002M00050-PG76-22m - Marathon		Rut	4.43
Alternate Asphalt				Validation:	No. Passes
Rap Asphalt			0.0	Rut	0
Anti Strip	APS00003920	1002M00220-Ad-Here LA2	0.8	SCB Jc:	0.97

DESIGN DATA		VALIDATION DATA			JMF Limits	
Parameter	Submittal	Average	Std. Dev	PWL	(per valid avg)	
Gmm	2.412			--	--	--
%Gmm,Nini	86.6			--	--	90
%Gmm,Nmax				--	--	98
VMA	16.8			--	16.0	--
VFA	79			--	69	0
% Voids	3.5			--	2.5	4.5
% Design AC	6.0					
Comp Temp	300	300	#DIV/0!	#DIV/0!	275	325
% DF Crushed	100				98	--
1 1/2 (37.5mm)	100				--	--
1 in (25mm)	100				--	--
3/4 (19mm)	100				--	--
1/2in (12.5mm)	91				--	--
3/8in (9.5mm)	73				--	--
No. 4 (4.75mm)	32				--	--
No. 8(2.36mm)	21				--	--
No.16(1.18mm)	18				--	--
No.30(600um)	15				--	--
No.50(300um)	12				--	--
No100(150um)	10				--	--
No. 200(75um)	8.1				--	--
% AC Extracted	6.0				--	--
Dust/Pbeff	1.37				0.6	1.6
Geo	2.638					
Pba	0.13					> 0.0
Pbe	5.9					

Submitted for Contractor By: _____
 Date Submitted: 08/25/02

W. M. Baker
 Technician

Proposal Approved: Y=Yes N=No _____
 By: _____
 Date: _____

Signature: _____

Validation Approved: Y=Yes N=No _____
 By: _____
 Date: _____

Number of Validation Attempts: _____ (y/n)

LWT = PASS
 Each PWL Parameter ≥ 71
 Avg. within JMF spec. limits

Approved By: _____
 Date First Used: _____

Remarks: _____

SECTION 00805

WORK CHANGE DIRECTIVE

No. 3

DATE OF ISSUANCE 9/29/21 EFFECTIVE DATE 9/29/21

Owner: St. Charles Parish

Contractor: Barriere Construction Company, LLC

Contract: P210302

Project: Asphalt Pavement Maintenance – Task Order 1

Owner's Contract No.: P210302 Engineer's Contract No.: _____

ENGINEER: St. Charles Parish

Contractor is directed to proceed promptly with the following change(s):

Description:

The week before Hurricane Ida made landfall the following streets were milled in accordance to specification; Mark Dr., Matthew Dr., Pleasant Valley Dr.; and Bayou Estates Dr. Debris, and downed power lines following the hurricane prevented the paving of the respective roads. During recovery efforts by residents, Parish forces, and State/Federal contractors, the road base of the streets became heavily damaged. In order to pave the streets currently, damaged areas of the roads have to be repaired, by full depth patch, before paving, as detailed in the specifications.

This Work Change Directive is to approve the patching required to facilitate the paving of Mark Dr., Matthew Dr., Pleasant Valley Dr., and Bayou Estates Dr. The Contractor shall also obtain photos and GPS coordinates for each patch for a request to FEMA for reimbursement of this directive as it relates to damages from Hurricane Ida. Cost for obtaining the photos and GPS coordinates will be based on a time and materials cost basis.

St. Charles Parish stopped Task Order 1 after Hurricane Ida passed through the Parish on August 30, 2021. Work was allowed to resume on September 24, 2021. This is a 25 day stoppage of contract time and shall not be held against the Contractor.

Attachments: (List documents supporting change)

Survey of patching needed on Mark Dr., Matthew Dr., Pleasant Valley Dr.; and Bayou Estates Dr.

Purpose for Work Change Directive:

Directive to proceed promptly with the Work described herein, prior to agreeing to changes on Contract Price and Contract Time, is issued due to: *(check one)*

- Non-agreement on pricing of proposed change.
- Necessity to proceed for schedule or other project reasons.

Estimated Change in Contract Price and Contract Times (non-binding, preliminary):

Contract Price: \$230,000 [increase] [~~decrease~~]

Contract Time 0 days [increase] [~~decrease~~]

Basis of estimated change in Contract Price:

- Lump Sum
- Unit Price
- Cost of the Work
- Other

Recommended: Limited Authorization By*: Received:
By: [Signature] By: [Signature] By: [Signature]
Engineer (Authorized Signature) Owner's Representative* Contractor (Authorized Signature)

Title: Sr Parish Eng Title: DPW Director Title: PROJECT MANAGER
Date: 9-29-21 Date: 9/30/2021 Date: 10/11/2021

*Owner's Representative is not authorized to finalize a Change Order nor does the Work Change Directive substitute the Change Order process as more fully set out in the General Conditions of the Construction Contract.

Approved by Funding Agency (if applicable)

By: _____ Date: _____
Title: _____

MICHAEL DR.

Patch Number	Length	Width	SY	Tons	Tons Per Patch	Notes
1	28.5	4	12.7	4.2	4.2	Back
2	12	5	6.7	2.2	21.1	
	83.5	5	46.4	15.3		
	14	7	10.9	3.6		
3	10.5	5	5.8	1.9	5.6	
	16.5	6	11.0	3.6		
4	14.5	5.5	8.9	2.9	2.9	
5	26.5	6	17.7	5.8	8.1	
	15.5	4	6.9	2.3		
6	12	4.5	6.0	2.0	2.0	
7	13.5	16.5	24.8	8.2	11.8	
	6	9	6.0	2.0		
	11.5	4	5.1	1.7		
8	4	4	1.8	0.6	0.6	
9	11	4	4.9	1.6	1.6	
10	14	9.5	14.8	4.9	6.3	
	5	7.5	4.2	1.4		
11	42.5	10	47.2	15.6	27.4	
	13	12.5	18.1	6.0		
	17	5	9.4	3.1		
	19	4	8.4	2.8		
12	4	4	1.8	0.6	0.6	
13	4	5	2.2	0.7	0.7	
14	15.5	7	12.1	4.0	8.0	
	6	5	3.3	1.1		
	16	5	8.9	2.9		
	7.5	8	6.7	2.2	7.3	Added
	4	5	2.2	0.7		added
	8	15	13.3	4.4		added
						delete
16	17	3.5	6.6	2.2	2.2	
17	31	13.5	46.5	15.3	15.3	
18	16	10.5	18.7	6.2	6.2	intersection (both)
19	47	14	73.1	24.1	24.1	
20	106.5	14.5	171.6	56.6	56.6	
21	6	6	4.0	1.3	1.3	
22	24.5	9	24.5	8.1	8.1	
23	23	8	20.4	6.7	6.7	
24	14	7	10.9	3.6	3.6	
25	46	13.5	69.0	22.8	22.8	
26	151	7	117.4	38.8	38.8	
27	59	13	85.2	28.1	28.1	added
28	16	3	5.3	1.8	1.8	
29	15	6.5	10.8	3.6	3.6	
30	4	5	2.2	0.7	0.7	
31	25.5	12.5	35.4	11.7	11.7	
32	48.5	13.5	72.8	24.0	24.0	
33	17	4	7.6	2.5	2.5	
34	8	4	3.6	1.2	1.2	
35	7	6	4.7	1.5	1.5	
36	23.5	13.5	35.3	11.6	11.6	
37	56	9	56.0	18.5	18.5	
38	70	14	108.9	35.9	35.9	
39	44	13.5	66.0	21.8	21.8	
40	59	9	59.0	19.5	19.5	
41	84	19	177.3	58.5	58.5	
42	6	11.5	7.7	2.5	2.5	
43	48	19	101.3	33.4	33.4	
44	21	12	28.0	9.2	9.2	
45	4	10	4.4	1.5	1.5	

PLEASANT VALLEY DR.

Patch Number	Length	Width	SY	Tons	Tons Per Patch	Notes
	17.5	4	7.8	2.6	2.6	
	13	4	5.8	1.9	1.9	
	23	12	30.7	10.1	10.1	
	12	8	10.7	3.5	3.5	
	16.5	8	14.7	4.8	4.8	
	7	10.5	8.2	2.7	2.7	
	15	13.5	22.5	7.4	7.4	
	12	10	13.3	4.4	4.4	
	7	9.5	7.4	2.4	2.4	
	11	5.5	6.7	2.2	2.2	
	32	6.5	23.1	7.6	7.6	
	9	4	4.0	1.3	1.3	
	8.5	17.5	16.5	5.5	5.5	
	19	6.5	13.7	4.5	4.5	
	20	10.5	23.3	7.7	7.7	
	41	10	45.6	15.0	15.0	
	25	4	11.1	3.7	3.7	
	22.5	5	12.5	4.1	4.1	
	4	4	1.8	0.6	0.6	
	68	5.5	41.6	13.7	13.7	
	14.5	7	11.3	3.7	3.7	
	13	5	7.2	2.4	2.4	
	6	4	2.7	0.9	0.9	
	10	4	4.4	1.5	1.5	
	14	7	10.9	3.6	3.6	
	12.5	12	16.7	5.5	5.5	
	36	9	36.0	11.9	11.9	
	9	8	8.0	2.6	2.6	
	37	4	16.4	5.4	5.4	
	7.5	9	7.5	2.5	2.5	
	14	11	17.1	5.6	5.6	
	14.5	60	96.7	31.9	31.9	
	10	5.5	6.1	2.0	2.0	
	19	10	21.1	7.0	7.0	
	39	12	52.0	17.2	17.2	
	15.5	19.5	33.6	11.1	11.1	
	15	7	11.7	3.9	3.9	
	18	4	8.0	2.6	2.6	
	18	9	18.0	5.9	5.9	
	23.5	19	49.6	16.4	16.4	
	21	13.5	31.5	10.4	10.4	
	11	5	6.1	2.0	2.0	
	37	13.5	55.5	18.3	18.3	
	70	10	77.8	25.7	25.7	
	18	4	8.0	2.6	2.6	
	7.5	6.5	5.4	1.8	1.8	
	11	4	4.9	1.6	1.6	
	28	8.5	26.4	8.7	8.7	
	172.5	10	191.7	63.3	63.3	
	59	13	85.2	28.1	28.1	
	28	28	87.1	28.7	28.7	
	18	19	38.0	12.5	12.5	
	24	4	10.7	3.5	3.5	
	44.5	13	64.3	21.2	21.2	bump out under red truck

BAYOU ESTATES DR.

Patch Number	Length	Width	SV	Tons	Tons Per Patch	Notes
1	13	7.5	10.8	3.6	6.4	Front
	9	8.5	8.5	2.8		
2	35	13	50.6	16.7	28.7	
	11	8.5	10.4	3.4		
	14	10.5	16.3	5.4		
	29.5	3	9.8	3.2		
3	32	3	10.7	3.5	3.5	
4	21	12.5	29.2	9.6	17.8	
	32	7	24.9	8.2		
5	25	16.5	45.8	15.1	15.1	
6	14	7.5	11.7	3.9	3.9	
7	8	4	3.6	1.2	1.2	
8	99	7.5	82.5	27.2	27.2	
9	20	3.5	7.8	2.6	2.6	
10	10.5	7.5	8.8	2.9	2.9	
11	20	11	24.4	8.1	8.1	
12	74	7	57.6	19.0	22.3	
	20	4.5	10.0	3.3		
13	28.5	7.5	23.8	7.8	7.8	
14	8	8	7.1	2.3	2.3	
15	11	8.5	10.4	3.4	3.4	
16	19	15	31.7	10.5	10.5	
17	23.5	7.5	19.6	6.5	6.5	
18	5	6	3.3	1.1	1.1	
19	47.5	5	26.4	8.7	36.0	
	23.5	6.5	17.0	5.6		
	23.5	9.5	24.8	8.2		
	52.5	7	40.8	13.5		
20	5	5	2.8	0.9	0.9	
21	116	5.5	70.9	23.4	36.8	intersection (both)
	40.5	9	40.5	13.4		
22	30	6	20.0	6.6	47.3	
	30	6	20.0	6.6		
	33.5	14	52.1	17.2		
	22	21	51.3	16.9		
23	8	4	3.6	1.2	1.2	
24	8	9	8.0	2.6	101.1	
	55	4	24.4	8.1		
	53	8	47.1	15.5		
	9.5	6.5	6.9	2.3		
	11	9	11.0	3.6		
	17	9	17.0	5.6		
	13	9	13.0	4.3		
	46.5	23	118.8	39.2		
	12	8	10.7	3.5		
	13	4	5.8	1.9		
	7.5	5	4.2	1.4		
	16.5	12	22.0	7.3		
	12	4.5	6.0	2.0		
	7	5	3.9	1.3		
9	7.5	7.5	2.5			
25	9.5	7.5	7.9	2.6	2.6	
26	19	7	14.8	4.9	4.9	
27	11	8.5	10.4	3.4	3.4	
28	9.5	3	3.2	1.0	1.0	
29	12.5	5	6.9	2.3	2.3	
30	17	7	13.2	4.4	4.4	
31	11	14	17.1	5.6	5.6	
32	6	8	5.3	1.8	1.8	
33	20	12	26.7	8.8	8.8	
34	19	5	10.6	3.5	23.8	
	18	14	28.0	9.2		
	23	11	28.1	9.3		
	6	8	5.3	1.8		
35	16	6	10.7	3.5	3.5	
36	5	5	2.8	0.9	0.9	
37	23	6.5	16.6	5.5	5.5	
38	41	7	31.9	10.5	14.8	Split right
	13	9	13.0	4.3		
39	18	4.5	9.0	3.0	3.0	
40	42	14	65.3	21.6	29.3	U turn
	15	14	23.3	7.7		
41	13	3.5	5.1	1.7	1.7	
42	24	11	29.3	9.7	9.7	U Turn
43	11	6	7.3	2.4	2.4	Round a Bout
44	13	5.5	7.9	2.6	2.6	
45	13	8	11.6	3.8	3.8	
46	13	4	5.8	1.9	1.9	
47	18	6.5	13.0	4.3	6.2	
	13	4	5.8	1.9		
48	14	14	21.8	7.2	7.2	
49	20	7.5	16.7	5.5	5.5	
50	13	10	14.4	4.8	4.8	
51	18	10	20.0	6.6	6.6	
52	10.5	10	11.7	3.9	6.8	
	8	10	8.9	2.9		
53	4	4	1.8	0.6	0.6	
54	22	6	14.7	4.8	4.8	
55	17.5	13	25.3	8.3	8.3	
56	9	5	5.0	1.7	1.7	
57	13	8	11.6	3.8	3.8	Final Split Left
58	6	8	5.3	1.8	12.9	Front right
	19	16	33.8	11.1		

MICHAEL DR.

Patch Number	Length	Width	SY	Tons	Tons Per Patch	Notes
1	47.5	7	36.9	12.2	12.2	Back
2	10.5	8.5	9.9	3.3	3.3	
3	7.5	8.5	7.1	2.3	2.3	
4	6	6	4.0	1.3	1.3	
5	9	8	8.0	2.6	25.8	
	14.5	9	14.5	4.8		
	27	6.5	19.5	6.4		
	6.5	50	36.1	11.9		
6	35.5	4.5	17.8	5.9	12.0	
	12	14	18.7	6.2		
7	14	7	10.9	3.6	9.6	
	13	12.5	18.1	6.0		
8	48	5	26.7	8.8	8.8	
9	15.5	10	17.2	5.7	5.7	
10	15.5	5	8.6	2.8	2.8	
11	44	4	19.6	6.5	6.5	
12	35	4.5	17.5	5.8	5.8	
13	16	8.5	15.1	5.0	5.0	
14	46	3.5	17.9	5.9	5.9	
15	23	4	10.2	3.4	3.4	Front