



CENTRAL TEXAS REGIONAL
MOBILITY AUTHORITY

February 28, 2024
AGENDA ITEM #9

Discuss and consider approving
Change Order No. 24 with The Lane
Construction Corporation for increases
in the quantity of topsoil required for
the 183A Phase III project

Strategic Plan Relevance:	Regional Mobility
Department:	Engineering
Contact:	Mike Sexton, P.E., Director of Engineering
Associated Costs:	\$2,373,152.50
Funding Source:	Project contingency funds
Action Requested:	Approve Change Order No. 24

Project Description/Background: The Central Texas Regional Mobility Authority is constructing a 5.3-mile extension of the existing 10-mile 183A Toll Road north from Hero Way to north of SH 29. Together with the associated access ramps, frontage road improvements and transitions, the overall project length will be approximately 6.6 miles. The tolled lanes are within the median of TxDOT right-of-way of the existing US 183 corridor. The new toll lanes are scheduled to open no later than January 2025; however, they may open as early as July 2024.

Previous Actions/Brief History of the Project/Program: Final acceptance of the Contractor's bid and approval of the contract award by the Mobility Authority's Board of Directors occurred on September 30, 2020. The Mobility Authority and the Lane Construction Corporation (Lane) executed the construction contract on October 15, 2020 (the Contract), and the Mobility Authority issued a Notice to Proceed (NTP) on March 28, 2021, which allowed for commencement of construction activities. Contract time for the 183A Phase III Project began on April 26, 2021.

Action requested: Since the value of Change Order No 24 (CO-24) exceeds \$2,000,000.00, Board approval is required per Resolution No. 18-040 dated July 25, 2018. CO-24 provides compensation to Lane for a substantial topsoil quantity added to the Contract

post award. Additionally, CO-24 adds 8 days to the Contract completion milestones and includes Contractor's overhead costs associated with the additional days.

Financing: CO-24 will be funded using approved Project contingency.

Staff Recommendation: Staff recommends that the Board approve CO-24 for the 183A Phase III Project which will add an additional \$2,373,152.50 to the value of the Contract.

Backup provided: Draft Resolution
Change Order No. 24

**GENERAL MEETING OF THE BOARD OF DIRECTORS
OF THE
CENTRAL TEXAS REGIONAL MOBILITY AUTHORITY**

RESOLUTION NO. 24-0XX

**APPROVING CHANGE ORDER NO. 24 WITH THE LANE CONSTRUCTION
CORPORATION FOR THE 183A PHASE III PROJECT**

WHEREAS, by Resolution No. 18-040, dated July 25, 2018, the Board of Directors established change order amounts the Executive Director is authorized to approve based on certain construction contract value limits, including a \$2,000,000 maximum change order approval limit for construction contracts valued over \$100,000,000; and

WHEREAS, by Resolution No. 20-063, dated September 30, 2020 the Board of Directors awarded a construction contract to The Lane Construction Corporation for the construction of the 183A Phase III Project and contingent upon receiving concurrence from the Texas Department of Transportation, authorized and directed the Executive Director to negotiate and execute a contract with the Lane Construction Corporation in an amount not to exceed \$175,695,656.17; and

WHEREAS, the Executive Director and The Lane Construction Corporation have negotiated Change Order No. 24 to the construction contract in the amount of \$2,373,152.50 for the added compost manufactured topsoil quantity and the time impact analysis (TIA) associated with this additional work and the addition of 8 days to the construction contract completion milestones and including The Lane Construction Corporation's overhead costs associated with the additional days a copy of which is attached hereto as Exhibit A; and

WHEREAS, the Executive Director recommends approval of proposed Change Order No. 24 to the construction contract The Lane Construction Corporation in the amount of \$2,373,152.50

NOW THEREFORE, BE IT RESOLVED that the Board of Directors authorizes the Executive Director to finalize and execute proposed Change Order No. 24 to construction contract with The Lane Construction Corporation in the amount of \$2,373,152.50 and in the form or substantially the same form as Exhibit A.

Adopted by the Board of Directors of the Central Texas Regional Mobility Authority on the 28th day of February 2024

Submitted and reviewed by:

Approved:

James M. Bass
Executive Director

Robert W. Jenkins, Jr.
Chairman, Board of Directors

Exhibit A



183A PH III

CHANGE ORDER #024

Amount: \$2,373,152.50

Description:

Compost Manufactured Topsoil and TIA

This Change Order is being issued by the Mobility Authority to The Lane Construction Corporation in the amount of \$2,373,152.50 for the added compost manufactured topsoil quantity and the time impact analysis (TIA) associated with this additional work.

This change order revises the existing compost manufactured topsoil item, adds contract time to the project, and introduces three new contract line items to compensate the Lane Construction Corporation for the additional topsoil quantity. These include Standby Equipment Costs, Daily Project Overhead incurred, and Compost Manufactured Topsoil above the 125% threshold. A Time Impact Analysis was submitted by Lane and the Mobility Authority agreed with the overall impact of 8 days to the project. The CEI team negotiated with the contractor and an agreement was reached to compensate them for standby equipment costs (per Specification Item 4.6.1) and daily project overhead reimbursed at 9% as negotiated between Lane and the Mobility Authority.

Change Order Contents:

1. Change Order Forms
2. Exhibit A – Letter Submittal for Compost Manufactured Topsoil and TIA
3. Exhibit B – Lane Pricing for Compost Manufactured Topsoil
4. Exhibit C – Lane Time Impact Analysis for Compost Manufactured Topsoil
5. Exhibit D – Lane Standby Equipment Costs



CENTRAL TEXAS REGIONAL MOBILITY AUTHORITY
CHANGE ORDER NUMBER: 024

1. CONTRACTOR: The Lane Construction Corporation
2. Change Order Work Limits: Sta. 24+45 to Sta. 377+00
3. Type of Change(on federal-aid non-exempt projects): Major (Major/Minor)
4. Reasons: 1A (3 Max. - In order of importance - Primary first)

Project Name:	<u>183A Extension - Phase III</u>
Contract No:	<u>19183A24601C</u>
CSJ:	<u>0914-05-192</u>
Highway:	<u>183A</u>
County:	<u>Williamson</u>
TxDOT Dist:	<u>Austin</u>
FAP Number:	<u></u>

5. Describe the work being revised:

This Change Order is being issued by the Mobility Authority to The Lane Construction Corporation for the additional quantity of compost manufactured topsoil needed due to errors in the plans. The Time Impact Analysis (TIA) for this work is also included in this Change Order.

6. Work to be performed in accordance with Items: 161-6017
7. New or revised plan sheet(s) are attached and numbered: N/A
8. New general notes to the contract are attached: Yes No
9. New Special Provisions to Item No. N/A and Special Specification Item N/A are attached.

Each signatory hereby warrants that each has the authority to execute this Change Order (CO).

This Change Order Proposal includes all known and anticipated direct, indirect and consequential impacts or amounts which may be incurred as a result of the event, occurrence or matter giving rise to this change, and the Contractor has no reason to believe and does not believe that the factual basis for this Change Order is falsely represented. If the Change Order Proposal includes claims of Subcontractors or Suppliers, the Contractor has reviewed such claims and has determined in good faith that the claims are justified as to both entitlement and amount.

The following information must be provided

Time Ext. #: 2 Days added on this CO: 8

Amount added by this change order: \$2,373,152.50

For TxDOT/CTRMA/FHWA use only:

Current Contract Amount \$ 177,035,190.45

Revised Contract Amount To Date \$ 179,408,342.95

Days FHWA Non-Participating N/A

CO Portion FHWA Non-Participating \$ -

THE CONTRACTOR Date _____

By _____

Typed/Printed Name Chelsea Abbott

Typed/Printed Title Vice President – Finance

By _____

Typed/Printed Name Jose Penalver

Typed/Printed Title Vice President – Construction

RECOMMENDED FOR EXECUTION:

Engineer's Seal:

_____	CTRMA Director of Engineering	_____	Date
_____	CTRMA Deputy Executive Director	_____	Date
_____	CEI Project Manager	_____	Date
_____	GEC Project Manager	_____	Date
_____	CTRMA Executive Director	_____	Date
_____	TxDOT Representative	_____	Date
_____	CTRMA Construction Representative	_____	Date
_____	FHWA Area Engineer	_____	Date

183A Extension - Phase III

CHANGE ORDER NUMBER: 024

TABLE A: Force Account Work and Materials Placed into Stock

Estimated Cost:

\$0.00

	LABOR	QTY	HOURLY RATE	TOTAL	EQUIPMENT	DAYS	HOURLY RATE	TOTAL

TABLE B: Contract Items

CHANGE ITEM	REASON CODE	DESCRIPTION	UNIT	ORIGINAL + PREVIOUSLY REVISED			NEW			OVERRUN/UNDERRUN
				QUANTITY	UNIT PRICE	ITEM COST	QUANTITY	UNIT PRICE	ITEM COST	
0161-6017	1A	COMPOST MANUF TOPSOIL (4")	SY	224,045.00	\$ 2.61	\$ 584,757.45	280,056.00	\$ 2.61	\$ 730,946.16	\$ 146,188.71
9920-9001	1A	DAILY PROJECT OVERHEAD (CMT)	Day	0.00	-	-	8.00	\$ 17,948.48	\$ 143,587.84	\$ 143,587.84
9920-9002	1A	EQUIPMENT COSTS	LS	0.00	-	-	1.00	\$ 20,776.32	\$ 20,776.32	\$ 20,776.32
9920-9003	1A	COMPOST MANUFACTURED TOPSOIL (>125%)	SY	0.00	-	-	227,409.00	\$ 9.07	\$ 2,062,599.63	\$ 2,062,599.63
EXTRA WORK ITEM	REASON CODE	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	ITEM COST	QUANTITY	UNIT PRICE	ITEM COST	OVERRUN/UNDERRUN
									\$ -	
TOTALS						\$ 584,757.45			\$ 2,957,909.95	\$ 2,373,152.50

CHANGE ORDER REASON(S) CODE CHART

1. Design Error or Omission	<p>1A. Incorrect PS&E</p> <p>1B. Other</p>
2. Differing Site Conditions (unforeseeable)	<p>2A. Dispute resolution (expense caused by conditions and/or resulting delay)</p> <p>2B. Unavailable material</p> <p>2C. New development (conditions changing after PS&E completed)</p> <p>2D. Environmental remediation</p> <p>2E. Miscellaneous difference in site conditions (unforeseeable)(Item 9)</p> <p>2F. Site conditions altered by an act of nature</p> <p>2G. Unadjusted utility (unforeseeable)</p> <p>2H. Unacquired Right-of-Way (unforeseeable)</p> <p>2I. Additional safety needs (unforeseeable)</p> <p>2J. Other</p>
3. CTRMA Convenience	<p>3A. Dispute resolution (not resulting from error in plans or differing site conditions)</p> <p>3B. Public relations improvement</p> <p>3C. Implementation of a Value Engineering finding</p> <p>3D. Achievement of an early project completion</p> <p>3E. Reduction of future maintenance</p> <p>3F. Additional work desired by the CTRMA</p> <p>3G. Compliance requirements of new laws and/or policies</p> <p>3H. Cost savings opportunity discovered during construction</p> <p>3I. Implementation of improved technology or better process</p> <p>3J. Price adjustment on finished work (price reduced in exchange for acceptance)</p> <p>3K. Addition of stock account or material supplied by state provision</p> <p>3L. Revising safety work/measures desired by the CTRMA</p> <p>3M. Other</p>
4. Third Party Accommodation	<p>4A. Failure of a third party to meet commitment</p> <p>4B. Third party requested work</p> <p>4C. Compliance requirements of new laws and/or policies (impacting third party)</p> <p>4D. Other</p>
5. Contractor Convenience	<p>5A. Contractor exercises option to change the traffic control plan</p> <p>5B. Contractor requested change in the sequence and/or method of work</p> <p>5C. Payment for Partnering workshop</p> <p>5D. Additional safety work/measures desired by the contractor</p> <p>5E. Other - Alt. design resolves previous non conformance</p>
6. Untimely ROW/Utilities	<p>6A. Right-of-Way not clear (third party responsibility for ROW)</p> <p>6B. Right-of-Way not clear (County responsibility for ROW)</p> <p>6C. Utilities not clear</p> <p>6D. Other</p>

Change Order No. 024 -- Revised Contract Amount to Date Summary

Original Contract: \$ 175,695,656.17

	Amount	Description	Revised Contract Amt to Date:
CO-001	\$0.00	Pipe Encasement Steel	\$ 175,695,656.17
CO-002	\$0.00	Baseline and Monthly Schedule Update Payments	\$ 175,695,656.17
CO-003	\$0.00	System F Junction Box (MH F-03)	\$ 175,695,656.17
CO-004	\$0.00	Signal Hill Shoulder Widening	\$ 175,695,656.17
CO-005	\$0.00	System B Junction Box (MH B-J3)	\$ 175,695,656.17
CO-006	\$58,512.78	Ranger Pond Revision (Line RP01)	\$ 175,754,168.95
CO-007	\$40,476.70	Bryson Concrete Footing for Sister Shafts	\$ 175,794,645.65
CO-008	\$583,458.23	Added Water Lines	\$ 176,378,103.88
CO-009	\$0.00	Remove and Relay Pavers	\$ 176,378,103.88
CO-010	\$0.00	Additional Waterline Support	\$ 176,378,103.88
CO-011	\$0.00	Class A Concrete for Drilled Shaft Void Mitigation	\$ 176,378,103.88
CO-012	\$0.00	Remove Structures (Drill Shafts)	\$ 176,378,103.88
CO-013	\$145,626.90	TIA - Added Waterlines	\$ 176,523,730.78
CO-014	\$0.00	Armor Curb Slot Inlets	\$ 176,523,730.78
CO-015	\$0.00	Seward Sister Shafts (NCR-005) - Settlement	\$ 176,523,730.78
CO-016	\$511,459.67	Large Signs and Toll Gantry Structures	\$ 177,035,190.45
CO-017	\$0.00	Added Signal Head	\$ 177,035,190.45
CO-018	\$0.00	Non-Epoxy Coated Soil Nail Hardware Credit	\$ 177,035,190.45
CO-019	\$0.00	Soil Nail Mitigation - Additional Grout	\$ 177,035,190.45
CO-020	\$0.00	MSE Backfill - Material Escalation	\$ 177,035,190.45
CO-021	\$0.00	Lane Closure Assessment	\$ 177,035,190.45
CO-022	\$0.00	Electrical Component Relocation	\$ 177,035,190.45
CO-023	\$0.00	Cement Treatment	\$ 177,035,190.45
CO-024	\$2,373,152.50	Compost Manufactured Topsoil and TIA	\$ 179,408,342.95

Summary Prepared by: Crisanto Pena Jr. 2/16/2024
 NAME Date

**Exhibit A – Letter Submittal for Compost Manufactured
Topsoil and TIA**



February 16, 2024

Mr. Juan Villarreal
Central Texas Regional Mobility Authority
3300 N. IH 35, Suite 300
Austin, Texas 78705

Project: 183A PH III Project
**Subject: Proposed Change Order #024 Pricing
Compost Manufactured Topsoil and TIA**

Dear Mr. Villarreal,

RS&H, Inc., is respectfully submitting the attached Proposed Change Order for your approval. The proposed Change Order is to compensate the Lane Construction Corporation for the added compost manufactured topsoil quantity and the time impact analysis (TIA) associated with this additional work.

This change order revises the existing compost manufactured topsoil item, adds contract time to the project, and introduces three new contract line items to compensate the Lane Construction Corporation for the additional topsoil quantity. These include Standby Equipment Costs, Daily Project Overhead incurred, and Compost Manufactured Topsoil above the 125% threshold. A Time Impact Analysis was submitted by Lane and the Mobility Authority agreed with the overall impact of 8 days to the project. The CEI team negotiated with the contractor and an agreement was reached between Lane and the Mobility Authority to compensate them for standby equipment costs and daily project overhead, as allowed by Specification Items 4.6.1 and 4.6.2.

Per Specification Item 4.6.1

Standby Equipment Costs. *Payment will be made in accordance with Section 9.7.1.4.3., "Standby Equipment Costs."*

Per Specification Item 4.6.2

Project Overhead. *Project overhead is defined as the administrative and supervisory expenses incurred at the work locations. When delay to project completion occurs, reimbursement for project overhead for the Contractor will be made using the following options:*

- *reimbursed at 6% (computed as daily cost by dividing 6% of the original Contract amount by the number of original Contract work days), or*
- *actual documented costs for the impacted period.*

In lieu of the 6% option for project overhead, the Mobility Authority negotiated a 9% rate with Lane and calculated the following using this method.

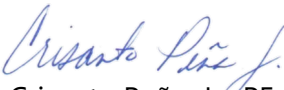
Original Contract Amount	\$175,695,656.17
9% of Original Contract Amount	\$15,812,609.04
Original Contract Workdays	881
Reimbursable Daily Cost (9%)	\$17,948.48

The CEI team conducted working sessions with Lane to determine the best path forward to properly compensate the contractor for this issue. Three new unique pay items will be added to the contract via this change order, along with revising the existing pay item by adding an additional 56,011 SY which brings it up to the 125% threshold allowed per the Specification.

Item Number	Description	Unit	Unit Price	Quantity
REVISED QUANTITY				
0161-6017	COMPOST MANUF TOPSOIL (4")	SY	2.61	56,011
ADDED ITEMS				
9920-9001	DAILY PROJECT OVERHEAD (CMT)	DAY	\$17,948.48	8
9920-9002	STANDBY EQUIPMENT COSTS (CMT)	LS	\$20,776.32	1
9920-9003	COMPOST MANUFACTURED TOPSOIL (>125%)	SY	\$9.07	227,409

Thank you for your consideration of this matter. If you have any questions or comments concerning this change order request, please contact me at 512-739-9237.

Sincerely,



Crisanto Peña, Jr., PE
Project Manager

Exhibit B – Lane Pricing for Compost Manufactured Topsoil



Change Order Summary

Date: 11/28/2023
Project Number: CC 914-5-192
Control Number : 0914-05-192
Highway: US183

Potential Change Order # 023 **Revision #** 3

Awarded Contract Amount	<u>\$ 175,695,656.17</u>
Approved Change Orders To Date Amount	<u>\$ 1,339,534.28</u>
Current Contract Amount	<u>\$ 177,035,190.45</u>
This Change Order Request Amount	<u>\$ 2,062,875.63</u>

Time (Days) Requested: **TBD** (TIA to be sent under separate cover)

Time (Days) Added: **TBD** (TIA to be sent under separate cover)

Explanation for Change and Scope of Work:

Please see attached pricing associated with the additional quantity of Compost Manufactured Topsoil. Topsoil screening for imported material is subject to the on-site CEI Team's interpretation of Item 160 Article 3: "remove and dispose of objectionable material", and our quantity for this item is subject to change based on the CEI's interpretation. This PCO does not include cost associated with any additional time impact. The additional costs associated with the time impact has been submitted separately as PCO-024.

Pricing Completed By

Ben Jablonski _____ (Print)

Date 11/28/2023

_____ (Signature)

Date _____



Cost Breakdown
Compost Manufactured Topsoil

Unit Price \$ 9.07 /SY

Project: CC 914-5-192
 Control No.: 0914-05-192
 Highway: US183
 Date: 28-Nov-23

Item	Description	Quantity		Labor		Equipment		Materials / Supplies		Subcontract		Sub Total
		Quantity	UM	Unit Price	Amount	Unit Price	Amount	Unit Price	Amount	Unit Price	Amount	
	Place Onsite Topsoil (3") (>125%)	227,409	SY							\$ 1.75	\$ 397,965.75	\$ 397,965.75
	Import Topsoil (3")	16,404	CY					\$ 24.30	\$ 398,605.81			\$ 398,605.81
	Import Compost (1")	7,580	CY					\$ 43.38	\$ 328,820.40			\$ 328,820.40
	Place & Blend Compost (1")	227,409	SY	\$ 0.77	\$ 175,518.40	\$ 0.47	\$ 107,709.17					\$ 283,227.57
	Lane Water Truck	303	HR	\$ 36.30	\$ 11,006.60	\$ 61.73	\$ 18,717.28					\$ 29,723.87
	Lane 938 Loader (for loading topsoil at offsite source)	365	HR	\$ 36.30	\$ 13,237.40	\$ 80.17	\$ 29,235.33					\$ 42,472.73
	Lane D3 Dozer (for stockpiling imported topsoil)	365	HR	\$ 36.30	\$ 13,237.40	\$ 174.63	\$ 63,681.74					\$ 76,919.14
	Screening Imported Topsoil (assumes 25% screening)	4,101	CY							\$ 18.50	\$ 75,866.33	\$ 75,866.33
												\$ -
												\$ -
Subtotals					\$ 212,999.80		\$ 219,343.52		\$ 727,426.21		\$ 473,832.08	\$ 1,633,601.60
Labor Burden				55%	\$ 117,149.89							\$ 117,149.89
Total Direct Costs					\$ 330,149.69		\$ 219,343.52		\$ 727,426.21		\$ 473,832.08	\$ 1,750,751.49
Contractor's Markup				25%	\$ 53,249.95	15%	\$ 32,901.53	25%	\$ 181,856.55	5%	\$ 23,691.60	\$ 291,699.63
Subtotals with Markup					\$ 383,399.64		\$ 252,245.05		\$ 909,282.76		\$ 497,523.68	\$ 2,042,451.12
Bond										1.0%		\$ 20,424.51
Total Change Request												\$ 2,062,875.63

Lane Water Truck

Additional Qty	227,409	SY
Avg Prod Rate	1500	SY/Shift
# Shifts	152	
Shift Hours	1516	
Water Truck Coverage (20%)	303	Hours

Stockpiling Import Topsoil

Description	Quantity	Loads	Loads/Day	Days	Hours
938 Loader	16,404	1094	30	36	364.667
Dozer	16,404	1094	30	36	364.667

Topsail Import

Quantity 16,404 CY

Delivery

15 CY/Truck

\$ 214.50 /Truck Based on trucking withir 20 miles of project

\$ 14.30 /CY

Material

\$ 10.00 /CY Compensation for material provider

Total

\$ 24.30 /CY

Total Area 3" (SY)	507,465
Total Area 4.5" (SY)	16,525
Total Topsoil (CY)	51,008
Topsoil On Site (CY)	32,604
Topsoil Haul-off (CY)	2000
Import Topsoil (CY)	16,404

Includes 15% Waste

Place Blend Compost

Description	Manhours	Unit Rate	Total	\$/SY	Qty	227,409 SY
Foreman	1033.7	\$ 47.00	\$ 48,582.83		Prod Rate	110 SY/HR
Laborer	2067.4	\$ 24.10	\$ 49,823.24			1,100 SY/Shift
Operator	2067.4	\$ 37.30	\$ 77,112.32			
Labor Total			\$ 175,518.40	\$ 0.77		
Tractor & Disc	2067.4	\$ 52.10	\$ 107,709.17			
Equipment Total			\$ 107,709.17	\$ 0.47		
Grand Total			\$ 283,227.57	\$ 1.25	Based on 10 hour shift	



RANGER

EXCAVATING, L.P.

5222 THUNDER CREEK RD. B-1 • AUSTIN, TEXAS 78759 • (512) 331-5551

CHANGE ORDER
#003a

May 23, 2023

To: Ben Jablonski
Lane Construction

From: Barry Egbert

Re: CTRMA 183A PH.III

Subject: Topsoil Respread @ 4" & 6"

Ben,

Per Lane's request Ranger is submitting the following prices to spread the topsoil at 4" and 6" respectively. The price for the 4" also addresses the missing quantity left out of the plans. The scope involving this change order shall match the scope listed in our contract for this project. Same exclusions apply (i.e. no raking, screening or imported topsoil).

TOPSOIL (4") (spreading onsite topsoil)	SY	509,100.00	\$1.75	\$890,925.00
TOPSOIL (6") (spreading onsite topsoil)	SY	16,525.00	\$2.60	\$42,965.00

If Ranger is required to rework any areas already topsoiled with 3" or 5", there will be an additional charge and we will re-price when we know the area affected.

If imported topsoil is required Ranger will need to re-price all the topsoil items including the current topsoil items in Ranger's contract.

In addition to the above, Ranger requests additional time be added to the contract to perform the additional work.

Sincerely,
Barry Egbert



RANGER EXCAVATING, L.P.

5222 THUNDER CREEK RD. B-1 • AUSTIN, TEXAS 78759 • (512) 331-5551

August 30, 2023

CHANGE ORDER #013

Ben Jablonski
RE: 183A PH 3 - Screen Onsite Topsoil

The following price is for screening onsite stockpiled topsoil to remove +1" material from the topsoil. The pay quantity shall be measured and agreed upon by drone flight measurements and volume calculations in advance of screening. Ranger shall be paid for all cubic yards that pass through the screen plant.

SCOPE ITEM	UNIT	APPROX QTY	UNIT \$	EXTENDED
SCREEN TOPSOIL	CY	30000	\$18.50	\$ 555,000.00
				\$ -
			TOTAL: \$	555,000.00

The quantity above is an estimate of the topsoil currently stockpiled on the project. Ranger will screen the topsoil that is stockpiled on the 183A PH 3 project to remove +1" material, not all rock will be removed from the topsoil. Both parties shall agree on the stockpiles to be screened and the quantities of each stockpile in advance of screening. The stockpiles will be measured by drone flight prior to screening the topsoil to calculate the volume in each pile. The pay quantity shall be the calculated volume prior to screening each pile.

All previous exclusion still apply to the change order, no raking or tracking of topsoil is included.

Sincerely,
Barry Egbert
Ranger Excavating

Unit price is also applicable for imported topsoil

Quote

2040 FM 969
Elgin, Texas

Date	Estimate #
7/31/2023	073123-01

Name / Address
Lane Construction Corporation 1195 W. Goforth Rd Buda, Tx 78610

Ship To
183 Expansion N US Hwy 183 Liberty Hill, Tx 78642 Zone 4

Project
183 Expansion

Description	Qty	Rate	Total
AG Compost	15,000	30.71	460,650.00
Delivery 30 CY Loads	500	380.00	190,000.00
\$43.38 Delivered / CY			
Travis County ESD 12-A & State (Combined Rate)		0.00	0.00

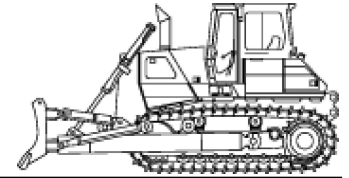
Quotes are valid for a period of three (3) months. Please request a re-bid if needed.	Quote Total	\$650,650.00
		\$650,650.00

Rental Rate Blue Book®

May 31, 2023

Caterpillar D3 Standard Crawler Dozers

Size Class:
85 - 104 hp
Weight:
N/A



Configuration for D3

Dozer Type
Operator Protection

Crawler
ROPS/FOPS

Horsepower
Power Mode

104 hp
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 \$19,605.00	USD \$5,490.00	USD \$1,375.00	USD \$205.00	USD \$63.26	USD \$174.65
Adjustments						
Region (Texas: 100.1%)	USD \$19.60	USD \$5.49	USD \$1.38	USD \$0.20		
Model Year (2020: 99.88%)	(USD \$23.12)	(USD \$6.47)	(USD \$1.62)	(USD \$0.24)		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)					-	
Total:	USD \$19,601.49	USD \$5,489.02	USD \$1,374.75	USD \$204.96	USD \$63.26	USD \$174.63

Non-Active Use Rates

	Hourly
Standby Rate	USD \$55.69
Idling Rate	USD \$122.04

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	25%	USD \$4,901.25/mo
Overhaul (ownership)	51%	USD \$9,998.55/mo
CFC (ownership)	13%	USD \$2,548.65/mo
Indirect (ownership)	11%	USD \$2,156.55/mo
Fuel (operating) @ USD 4.25	17%	USD \$10.67/hr

Revised Date: 2nd quarter 2023

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 KEEGAN JERABEK (ajmalek@laneconstruct.com)

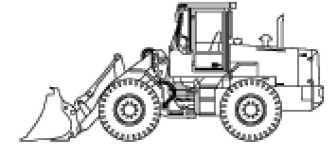
Rental Rate Blue Book®

May 31, 2023

Caterpillar 938M

4-Wd Articulated Wheel Loaders

Size Class:
175 - 199 hp
Weight:
N/A



Configuration for 938M

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 Hourly	FHWA Rate** Hourly
	Monthly	Weekly	Daily	Hourly		
Published Rates	USD \$8,540.00	USD \$2,390.00	USD \$600.00	USD \$90.00	USD \$31.48	USD \$80.00
Adjustments						
Region (Texas: 100.4%)	USD \$34.16	USD \$9.56	USD \$2.40	USD \$0.36		
Model Year (2021: 99.94%)	(USD \$4.75)	(USD \$1.33)	(USD \$0.33)	(USD \$0.05)		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)					-	
Total:	USD \$8,569.41	USD \$2,398.23	USD \$602.07	USD \$90.31	USD \$31.48	USD \$80.17

Non-Active Use Rates

	Hourly
Standby Rate	USD \$24.34
Idling Rate	USD \$61.97

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	39%	USD \$3,330.60/mo
Overhaul (ownership)	33%	USD \$2,818.20/mo
CFC (ownership)	16%	USD \$1,366.40/mo
Indirect (ownership)	12%	USD \$1,024.80/mo
Fuel (operating) @ USD 4.25	42%	USD \$13.28/hr

Revised Date: 2nd quarter 2023

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 KEEGAN JERABEK (ajmalek@laneconstruct.com)

RENTAL QUOTE

9/20/23

Ewald Kubota

www.ewaldkubota.com



Lessor _____ Lane Construction
 Address _____
 City _____
 Phone _____
 Email _____

512/385-2800 Austin
 Mon-Fri 8am-5pm Sat 8am-12Noon
www.ewaldkubota.com

Model	Equipment Description	Class	Weight #	Monthly
M7060HD/LDR	Kubota 7060 Tractor	70 HP	5400	\$3,000.00
	70 HP			
	7' Harrow Disc Attachment			\$750.00
	✓ 5400		Rental Subtotal	\$3,750.00

Rental Period:	Daily
Rental Periods are defined as:	
Daily	- 8 Hours
Weekend	- 16 Hours
Weekly	- 40 Hours
Monthly	- 160 Hours

CC Number:

Expiration:

CSV:

CURRENT HOURS ON EQUIPMENT:	EQUIPMENT DUE BACK:
------------------------------------	----------------------------

I acknowledge that I am the sole insurer of this equipment at all times and any damages will be charged to me and to the credit card on file. I acknowledge that I will be charged a \$200 cleaning fee if the rental equipment is not returned clean. I acknowledge and agree to the rental contract as written on the revers page of this invoice

Lessor Name: _____ Lane Construction

Lessor Signature: _____

EXEMPT AGRICULTURE PURPOSE

The Undersigned hereby has a registered sales tax exemption number on file:

Lane Construction _____
 Lessor Signature

Rental Subtotal	\$3,750.00
HET	\$5.22
Freight Total	\$250.00
Sales Tax 10.50%	\$393.75
Insurance 14.00%	
Total	\$4,398.97

**Exhibit C – Lane Time Impact Analysis for Compost
Manufactured Topsoil**



Change Order Summary

Date: 11/28/2023
Project Number: CC 914-5-192
Control Number : 0914-05-192
Highway: US183

Potential Change Order # 024 **Revision #**

Awarded Contract Amount	<u>\$ 175,695,656.17</u>
Approved Change Orders To Date Amount	<u>\$ 1,339,534.28</u>
Current Contract Amount	<u>\$ 177,035,190.45</u>
This Change Order Request Amount	<u>\$ 164,364.14</u>
Time (Days) Requested: <u>8</u>	

Explanation for Change and Scope of Work:

Please see attached Time Impact Analysis for the additional quantity of Compost Manufactured Topsoil. This PCO represents a daily cost of \$17,948.48 (calculated by dividing 9% of the original Contract amount by the number of original Contract work days) as agreed to with CTRMA, plus the support equipment at a daily cost of \$2,597.04 for 8 working days, as shown in the Time Impact Analysis, for a total cost of \$164,364.14.

Pricing Completed By

Ben Jablonski _____ (Print)

Date _____ 11/28/2023

(Signature)

Date _____



Central Texas Regional Mobility Authority

Time Impact Analysis 02

Project: 183A Extension Phase 3

CSJ: 0914-05-192

Project No: CC 914-192

Table of Contents

1	Time Impact Analysis Contract Requirements.....	3
2	Overview.....	3
3	Objective/Purpose.....	4
4	Step 1: Establishment of the Project prior to Impact.....	4
5	Step 2: Predict the Effect of the Impact.....	4
6	Cost Justification Extended Overhead.....	4
7	Cost Justification Support Equipment.....	5

1 Time Impact Analysis Contract Requirements

For the Time Impact Analysis, LANE will follow the requirements identified in the 2014 TXDOT Standard Specifications, Item 8 Prosecution and Progress, Article 5.5.4 Time Impact Analysis (TIA).

Item 8.5.5.4 Time Impact Analysis contains 4 Steps. The 4 Steps are described as follows:

Step 1: Establish the status of the project immediately before the impact.

Step 2: Predict the effect of the impact on the schedule update used in Step 1.

Step 3: Track the effects of the impact on the schedule during its occurrence.

Step 4: Establish the status of the project after the impact's effect has ended and provide details identifying any mitigating actions or circumstances used to keep the project ongoing during the impact period.

This Time Impact Analysis considers Steps 1 and 2 only as the work has not been completed, therefore the actual effect of the impact has not been determined. However, Lane is presenting this Time Impact Analysis in its current form to make CTRMA fully aware of the predicted time impact and its associated cost. Also, this provides CTRMA the option to settle the time and cost impacts at this time.

2 Overview

A Time Impact Analysis is being submitted for the time associated with the additional Compost Manufactured Topsoil (CMT) quantities that were added to the contract as part of NDC 009.

Lane submitted RFI 084 on September 9, 2021, identifying missing quantities for CMT. The CTRMA responded on October 1, 2021, with confirmation that the quantities for CMT shown on the plans were incorrect and additional CMT was required. Quantities were to be provided in a separate email.

NDC 009 was received on October 20, 2021, with revised plans showing the additional CMT quantities.

After NDC 009 was issued, CTRMA Representatives verbally indicated that the requirement for CMT may be removed and switch to only topsoil, however, no formal direction was provided, until the CTRMA sent a letter on June 2, 2023, requesting pricing for two options:

1. Furnishing & Placing Topsoil
2. Compost Manufactured Topsoil with additional quantities

Lane provided pricing for both options on September 1, 2023.

CTRMA responded on September 15, 2023, indicating that CTRMA has elected to proceed with Option 2 Compost Manufactured Topsoil with additional quantities. Lane has

submitted PCO-023 under separate cover to account for the additional cost associated with the quantity increase. PCO-023 does not include the cost shown in this TIA.

3 Objective/Purpose

Using the Time Impact Analysis required by the specifications, Lane will show that the additional quantities for CMT are predicted to delay multiple work areas and ultimately the overall project completion date.

4 Step 1: Establishment of the Project prior to Impact

Lane used the latest schedule submittal, *Update 28 August 2023* with a data date of August 25, 2023. As shown in Table 1 below, the state of the Project prior to the impact shows that the Substantial Completion date is July 22, 2024.

Table 1: Project Prior to Impact

US183A PH III Update 28 DD 08_25_23

Activity ID	Activity Name	Finish Date	Total Float
MS-1010	Substantial Completion (July 22, 2024)	July 22, 2024	0
MS-1120	Final Completion (October 18, 2024)	October 18, 2024	0

5 Step 2: Predict the Effect of the Impact

Lane added additional activities to the schedule to account for the additional topsoil quantities. These new activities were tied to the existing activities in the same station range to show the impact of the additional quantities. Table 2 below shows the predicted dates for the completion milestones, with a Substantial Completion date of August 1, 2024, with a negative float of 8 working days. This equals a net change of 8 working days to the completion of the Project.

Table 2: Predicted Effect of the Impact

US183A PH III Additional Topsoil Quantities

Activity ID	Activity Name	Finish Date	Total Float
MS-1010	Substantial Completion (July 22, 2024)	August 1, 2024	-8
MS-1120	Final Completion (October 18, 2024)	October 30, 2024	-8

6 Cost Justification Extended Overhead

Specification Language: *Item 4 Scope of Work Article 6.2 Project Overhead*. Reimbursement at 6% (computed as daily cost by dividing 6% of original Contract amount by the number of original Contract working days) or actual documented costs for the impact period.

Original Contract Amount: \$175,695,656.17

Original Contract Working Days: 881 Working Days

6% Calculation: \$11,965.65 / Day

The Time Impact Analysis, as previously indicated, shows an additional 8 working days. Lane’s daily overhead cost, as calculated in the attached, is \$25,462.35, which is greater than the standard 6%.

7 Cost Justification Support Equipment

LANE bid the project to have support equipment on site for the bid duration of the project. The equipment is used for yard operations, dust control, erosion control maintenance, and specialty equipment that cannot be called on and off rent at will. Due to the additional scope, the equipment will have to be on the project for an extended period of time.

Equipment Description	Qty Ea.	Hourly Rate	Added Days	Extended
Message Boards	6	\$10.00	8	\$3,840.00
Water Truck	1	\$30.93	8	\$1,979.52
Broom Tractor	1	\$65.45	8	\$4,188.48
Attenuator Truck	1	\$16.95	8	\$1,084.80
Air Compressor	2	\$14.97	8	\$1,916.16
CAT 315FL Excavator	1	\$72.84	8	\$4,661.44
CAT 299D3 Skid Steer	1	\$48.53	8	\$3,105.92
Subtotal				\$20,776.32
1% Bond				\$207.76
Total Support Equipment				\$20,984.08

Exhibit D – Lane Standby Equipment Costs

Cost Justification Support Equipment

LANE bid the project to have support equipment on site for the bid duration of the project. The equipment is used for yard operations, dust control, erosion control maintenance, and specialty equipment that cannot be called on and off rent at will. Due to the delays outside of LANE's control the equipment has to be on the project for an extended period of time.

Equipment Description	Qty Ea.	Hourly Rate	Added days	Extended
Message Boards	6	\$10.00	8	\$3,840.00
Water Truck	1	\$30.93	8	\$1,979.52
Broom Tractor	1	\$65.45	8	\$4,188.48
Attenuator Truck	1	\$16.95	8	\$1,084.80
Air Compressor	2	\$14.97	8	\$1,916.16
CAT 315FL Excavator	1	\$72.84	8	\$4,661.44
CAT 299D3 Skid Steer	1	\$48.53	8	\$3,105.92
Total Support Equipment				\$20,776.32

Rental Rate Blue Book®
Miscellaneous DSL 6X4 4000
 On-Highway Water Tankers

 Size Class:
200 hp & Over
 Weight:
14000 lbs

Per Item 9.7.1.4.3.1 Contractor Owned Equipment
 Standby will be paid at 50% (to remove operating cost) of the FHWA
 rental rates found in the Rental Blue Book multiplied by the regional
 adjustment factor and the rate adjustment factor.


Configuration for DSL 6X4 4000

Horsepower	250.0	Power Mode	Diesel
Tank Capacity	4000.0 gal		

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 \$3,915.00	USD \$1,095.00	USD \$275.00	USD \$41.00	USD \$39.49	USD \$61.73
Adjustments						
Region (Texas: 100.6%)	USD \$23.49	USD \$6.57	USD \$1.65	USD \$0.25		
Model Year (2021: 99.95%)	(USD \$2.06)	(USD \$0.58)	(USD \$0.14)	(USD \$0.02)		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)					-	
Total:	USD \$3,936.43	USD \$1,100.99	USD \$276.51	USD \$41.22	USD \$39.49	USD \$61.86 x 50%

=-\$30.93

Non-Active Use Rates

	Hourly
Standby Rate	USD \$11.18
Idling Rate	USD \$48.91

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	52%	USD \$2,035.80/mo
Overhaul (ownership)	23%	USD \$900.45/mo
CFC (ownership)	12%	USD \$469.80/mo
Indirect (ownership)	13%	USD \$508.95/mo
Fuel (operating) @ USD 4.25	67%	USD \$26.54/hr

Revised Date: 2nd quarter 2023

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 DANIELS
 (FIN_INVOICES@txdot.gov)

Rental Rate Blue Book®

Superior Broom SM74J
Self Propelled Pavement Brooms

Size Class:
All
Weight:
N/A



Configuration for SM74J

Broom Length **96 in** Horsepower **74 hp**
Power Mode **Diesel** Transmission **Hydrostatic**

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 \$12,880.00	USD \$3,605.00	USD \$900.00	USD \$135.00	USD \$57.68	USD \$130.86
Adjustments						
Region (Texas: 100.1%)	USD \$12.88	USD \$3.61	USD \$0.90	USD \$0.14		
Model Year (2021: 99.95%)	(USD \$7.07)	(USD \$1.98)	(USD \$0.49)	(USD \$0.07)		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)					-	
Total:	USD \$12,885.81	USD \$3,606.63	USD \$900.41	USD \$135.06	USD \$57.68	USD \$130.89 x 50%

= \$65.45

Non-Active Use Rates

	Hourly
Standby Rate	USD \$36.61
Idling Rate	USD \$84.84

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	18%	USD \$2,318.40/mo
Overhaul (ownership)	61%	USD \$7,856.80/mo
CFC (ownership)	10%	USD \$1,288.00/mo
Indirect (ownership)	11%	USD \$1,416.80/mo
Fuel (operating) @ USD 4.25	20%	USD \$11.63/hr

Revised Date: 2nd quarter 2023

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 DANIELS
(FIN_INVOICES@txdot.gov)

Rental Rate Blue Book®

April 24, 2023

Miscellaneous 4X2 20KGVW DSL

On-Highway Flatbed Trucks

Size Class:

19,501 - 26,000 lbs

Weight:

6828 lbs

Configuration for 4X2 20KGVW DSL

Axle Configuration	4X2	Horsepower	200.0
Maximum Gross Vehicle Weight	20000.0 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 \$1,370.00	USD \$385.00	USD \$96.00	USD \$14.00	USD \$22.18	USD \$29.96
Adjustments						
Region (Texas: 100.7%)	USD \$9.59	USD \$2.69	USD \$0.67	USD \$0.10		
Model Year (2019: 99.9%)	(USD \$1.43)	(USD \$0.40)	(USD \$0.10)	(USD \$0.01)		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)					-	
Total:	USD \$1,378.16	USD \$387.29	USD \$96.57	USD \$14.08	USD \$22.18	USD \$30.01 x 50%

= \$15.00

Non-Active Use Rates

Standby Rate	Hourly	USD \$3.92
Idling Rate		USD \$24.48

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	50%	USD \$685.00/mo
Overhaul (ownership)	25%	USD \$342.50/mo
CFC (ownership)	12%	USD \$164.40/mo
Indirect (ownership)	13%	USD \$178.10/mo
Fuel (operating) @ USD 4.25	75%	USD \$16.65/hr

Revised Date: 2nd quarter 2023

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 DANIELS
(FIN_INVOICES@txdot.gov)

Rental Rate Blue Book®
Miscellaneous ALUMINUM-1
 Crash Attenuators For Truck Mounting

 Size Class:
All
 Weight:
N/A

Configuration for ALUMINUM-1

Cartridge Type	One-Piece	Material Type	Aluminum
Maximum Impact	45.0 mph		

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 \$595.00	USD \$165.00	USD \$41.00	USD \$6.00	USD \$0.50	USD \$3.88
Adjustments						
Region (Texas: 100.3%)	USD \$1.78	USD \$0.50	USD \$0.12	USD \$0.02		
Model Year (2019: 99.9%)	(USD \$0.60)	(USD \$0.17)	(USD \$0.04)	(USD \$0.01)		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)					-	
Total:	USD \$596.18	USD \$165.33	USD \$41.08	USD \$6.01	USD \$0.50	USD \$3.89 x 50%

=-\$1.95

Non-Active Use Rates

	Hourly
Standby Rate	USD \$1.69
Idling Rate	USD \$3.39

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	63%	USD \$374.85/mo
Overhaul (ownership)	12%	USD \$71.40/mo
CFC (ownership)	12%	USD \$71.40/mo
Indirect (ownership)	13%	USD \$77.35/mo

Fuel cost data is not available for these rates.

Revised Date: 2nd quarter 2023

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 DANIELS
 (FIN_INVOICES@txdot.gov)

Rental Rate Blue Book®
Caterpillar 315F L (disc. 2019)
 Crawler Mounted Hydraulic Excavators

 Size Class:
16.5 - 19.4 mt
 Weight:
N/A
Configuration for 315F L (disc. 2019)

Bucket Capacity	1 cu yd	Horsepower	97 hp
Operating Weight	36340 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 \$15,985.00	USD \$4,475.00	USD \$1,120.00	USD \$170.00	USD \$54.66	USD \$145.48
Adjustments						
Region (Texas: 100.2%)	USD \$31.97	USD \$8.95	USD \$2.24	USD \$0.34		
Model Year (2019: 100%)	-	-	-	-		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)					-	
Total:	USD \$16,016.97	USD \$4,483.95	USD \$1,122.24	USD \$170.34	USD \$54.66	USD \$145.67 x 50%
						=\$72.84

Non-Active Use Rates

	Hourly
Standby Rate	USD \$45.50
Idling Rate	USD \$99.20

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	33%	USD \$5,275.05/mo
Overhaul (ownership)	43%	USD \$6,873.55/mo
CFC (ownership)	14%	USD \$2,237.90/mo
Indirect (ownership)	10%	USD \$1,598.50/mo
Fuel (operating) @ USD 4.25	15%	USD \$8.19/hr

Revised Date: 2nd quarter 2023

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 DANIELS
 (FIN_INVOICES@txdot.gov)

Rental Rate Blue Book®
Caterpillar 299D3
 Compact Track Loaders

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

Configuration for 299D3

Horsepower	95 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 Hourly	FHWA Rate** Hourly
	Monthly	Weekly	Daily	Hourly		
Published Rates	USD \$10,485.00	USD \$2,935.00	USD \$735.00	USD \$110.00	USD \$37.46	USD \$97.03
Adjustments						
Region (Texas: 100.1%)	USD \$10.48	USD \$2.93	USD \$0.74	USD \$0.11		
Model Year (2021: 99.94%)	(USD \$5.81)	(USD \$1.63)	(USD \$0.41)	(USD \$0.06)		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)					-	
Total:	USD \$10,489.67	USD \$2,936.31	USD \$735.33	USD \$110.05	USD \$37.46	USD \$97.06 x 50%

= \$48.53

Non-Active Use Rates

	Hourly
Standby Rate	USD \$29.80
Idling Rate	USD \$74.53

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	20%	USD \$2,097.00/mo
Overhaul (ownership)	53%	USD \$5,557.05/mo
CFC (ownership)	11%	USD \$1,153.35/mo
Indirect (ownership)	16%	USD \$1,677.60/mo
Fuel (operating) @ USD 4.25	40%	USD \$14.93/hr

Revised Date: 2nd quarter 2023

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 DANIELS
 (FIN_INVOICES@txdot.gov)