

**CAMINO REAL REGIONAL MOBILITY AUTHORITY
BOARD RESOLUTION**

WHEREAS, the Camino Real Regional Mobility Authority (CRRMA) entered into a construction contract dated October 17, 2016 (Contract) with Horizonte Construction 1, Ltd. (Contractor) for the construction of the Rojas Drive Improvements Project (Project);

WHEREAS, during construction, the Contractor identified certain conflicts associated with an existing waterline not found in the plans and the County of El Paso separately requested additional barricades and other traffic control devices be added by the Contractor within the project limits; and

WHEREAS, the County of El Paso has approved these proposed changes and the parties therefore desire to execute Change Order No. 2 to the Contract;

NOW, THEREFORE, BE IT RESOLVED BY THE CAMINO REAL REGIONAL MOBILITY AUTHORITY:

THAT the Executive Director be authorized to execute Change Order No. 2 with Horizonte Construction 1, Ltd., related to resolution of a waterline conflict and to add barricades and other traffic control devices on the Rojas Drive Improvements Project.

PASSED AND APPROVED THIS 9TH DAY OF AUGUST 2017.

**CAMINO REAL REGIONAL
MOBILITY AUTHORITY**

Susan A. Melendez, Chair

ATTEST:

Joe R. Fernandez, Board Secretary

APPROVED AS TO CONTENT:

Raymond L. Telles
Executive Director

CONSTRUCTION CONTRACT CHANGE ORDER NUMBER #2

1. CONTRACTOR: Horizone Construction 1, Ltd.

2. Change Order Work Limits: Sta. 21+14 to Sta. 23+90

3. Type of Change (on federal-aid non-exempt projects): Minor (Major/Minor)

4. Describe the change and the reason for the change order. When necessary, include exceptions to this agreement.

- Due to a conflict with an existing 8" waterline installed by the MUD prior to the project and not shown on the plans, approximately 0.52 CY of 2-sack was added to an existing 8" waterline found in conflict with proposed 30" RCP at approximate STA 22+90. 8" waterline was field located and is not shown in the original design plans.
- Contractor requires temporary 8" HMA, with prime coat, and embankment for the westbound Rojas Drive pavement transition in Phase 1B. Taper will extend from proposed concrete pavement up to existing pavement at STA 22+70. This will produce an overrun in Bid Items 132-6002, 314-6003 & 341-6010.
- Contractor requests an additional 22 days and delay costs for idle equipment for two waterline conflicts with proposed RCP during the dates of January 16, 2017 through February 16, 2017 and January 24, 2017 through February 16, 2017. 1 month of additional TCP is also required.
- El Paso County requested additional Barricades, Signs & Traffic Handling at Equestrian Rd due to subdivision complaints of motorists making unpermitted left turns from through the dirt median.

Prices for the new and existing items were determined to be fair and reasonable.

5. New or revised plan sheet(s) are attached and numbered: none

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

CCSJ:	<u>N/A</u>
Project:	<u>Rojas Dr Improvement</u>
Highway:	<u>CS (Rojas Drive)</u>
County:	<u>El Paso</u>
District:	<u>ELP</u>
Contract Number:	<u>N/A</u>

<p>By signing this change order, the contractor agrees to waive any and all claims for additional compensation due to any and all other expenses; additional changes for time, overhead and profit; or loss of compensation as a result of this change. Further, the contractor agrees that this agreement is made in accordance with Item 4 and the Contract. Exceptions should be noted in the response for #5 above.</p>	<p>The following information must be provided</p>
	<p>Time Ext. #0 : 0 Days added on this C.O.#1: 22</p> <p>Amt. added by this change order: \$79,695.27</p>
<p>THE CONTRACTOR _____ Date <u>9/3/17</u></p> <p>By <u>[Signature]</u></p> <p>Typed/Printed Name <u>Luis R DeStefano</u></p> <p>Typed/Printed Title <u>Vice President</u></p>	

CAMINO REAL REGIONAL MOBILITY AUTHORITY

Executed for and approved by the Camino Real Regional Mobility Authority for the purpose and effect of activating and/or carrying out the orders, established policies or work programs heretofore approved and authorized by the Texas Transportation Commission.

Signature Date

Typed/Printed Name and Title

LIST OF ATTACHMENTS

- Change Order #2 back-up documentation

CAMINO REAL REGIONAL MOBILITY AUTHORITY

CONSTRUCTION CONTRACT CHANGE ORDER NUMBER 2

Third Party Funding Notification Sheet

This form is used when the subject change order involves funding by a source other than CRRMA, and involves third parties who are providing funding under an Advance Funding Agreement or Donation Agreement.

1. Outside funding provided by:

County of El Paso

(Outside Entity's Legal Name)

2. Type of outside funding agreement for this change:

Existing Amended New
[Check one]

3. Indicate the type and amount of funding:

Fixed Price (Lump Sum) (Estimated Amount) _____

Actual Cost _____

(a) Contract Items (Bid Items): _____

TOTAL

\$79,695.27

CCSJ:	<u>N/A</u>
	<u>Rojas Dr Improvements</u>
	<u>Project</u>
Highway:	<u>CS(Rojas Dr)</u>
County:	<u>El Paso</u>
District:	<u>N/A</u>

Use as needed:

I hereby acknowledge notification of the modifications covered by this Change Order.

Date _____

By _____

Typed/Printed Name _____

Typed/Printed Title _____

* The percentage (%) for E&C (Engineering and Contingencies) charges varies from project to project depending on the contract amount of the project. Projects with a higher contract amount will have a lower rate of E&C charge. For a specific project, E&C rate (%) can be derived from the cost of "Engineering and Contingencies" in the "Estimated Cost" of the project.

** Use the statewide district rate as established by Finance Division each year. This line 3 (c) is for Service Project only, unless otherwise specified in the Advance Funding Agreement. See Stand Alone Manual Notice 98-2 for instructions.

Funding for this Change Order has been arranged:

Manuel Rivera

Representative

8/4/2017

Date

Typed/Printed Name:

Manuel Rivera Palacios

Contact/Help

Change Order #2 Backup Data



4529 Osborne Dr. Suite A El Paso, Texas 79922
 Ph: (915)790-0553 *Fax: (915)790-1133

June 13, 2017
 Rev July 12, 2017

Mr. Cesar Nevarez
 Atkins North America, Inc.
 404 Executive Center Blvd
 El Paso, Texas 79902

Re: Change Order Request (Change order Two)
 Project Number: 2016-15

Below you will find a list of changes that have been made or will be made to the Rojas Drive Project

- 1.-0.52 Cy of 2-sack was added to an existing 8" water line in conflict with new 30" RCP at approximately STA 22+90.
- 2.- Temporary Transition Ramp 40' x 60' 8" HMAC to include subgrade preparation and prime coat. Ramp will be located at the transition of phase 1A to connect new CRCP with existing
- 3.- Additional 22 days per RFI 11 Regarding two waterline conflicts with proposed RCP. This will also increase traffic control and a charge for idle time.
- 4.- Additional traffic control per Atkins and El Paso County Request.

ITEM	Description	Unit	Unit Price	Quantity	Item Cost
1	EMBANKMENT(FINAL)(DENS)(TYA)	CY	\$27.50	44	\$1,210.00
2.1	EMULS ASPH (BS OR SUBGR) (SS-1H)	GAL	\$3.00	7	\$21.00
2.2	D-GR HMA TY B PG70-22	TON	\$62.72	127.60	\$8,003.07
3.1	FLOWABLE BACKFILL	CY	\$54.65	.52	\$28.42
3.2	Barricades, Signs and Traffic Handling	MO	\$9,010.00	1	\$9,010.00
4.1	Additional Barricades, Signs	MO	\$4,548.92	3	\$18,195.68
4.2	Idle Time	LS	\$43,227.10	1	\$43,227.10

Total \$79,695.27

Please do not hesitate to contact me if you need any other information regarding this matter.

Sincerely,

Saul Mejia
 Project Manager



Request for Information

No. : 11 Date: 1/23/17

PROJECT NO.: _____	SUBJECT: <u>Water Line & Storm Sewer Conflict STA 23+86</u>
PROJECT: Rojas Drive Improvements	
ISSUED TO: Atkins ATTENTION: Joseph W. Hudy	

DESCRIPTION:	REFERENCE:
<p>We encounter a water pipe line on STA 23+86 perpendicular to our proposed storm sewer, this line it is not on the plans provided by the designer, Horizone notify HRMUD and Mr. Duran from TR Engineering and they let us know the purpose of this line it is to feed a future construction on the south of Rojas Drive. We pot hole it and took the elevation 3787.44' to the top of the water line, this will generate a conflict with our storm sewer since our top and bottom of the pipe at that station it is as follow, Top of Pipe 3789.97' and the bottom of the pipe is 3786.91'. Please advise on how to proceed, according with Mr. Duran he can not help us since Huitt Zollars had the as builts for this line previously to the storm sewer desing. The storm sewer it is on the critical path on this project and we had to stop activities for this issue. We need to ask for lost days until we get this issue resolved.</p>	

CC: _____	
-----------	--

ISSUED BY: _____ Oscar Burciaga	ANSWER REQUIRED BY: ASAP
--	---

REPLY:

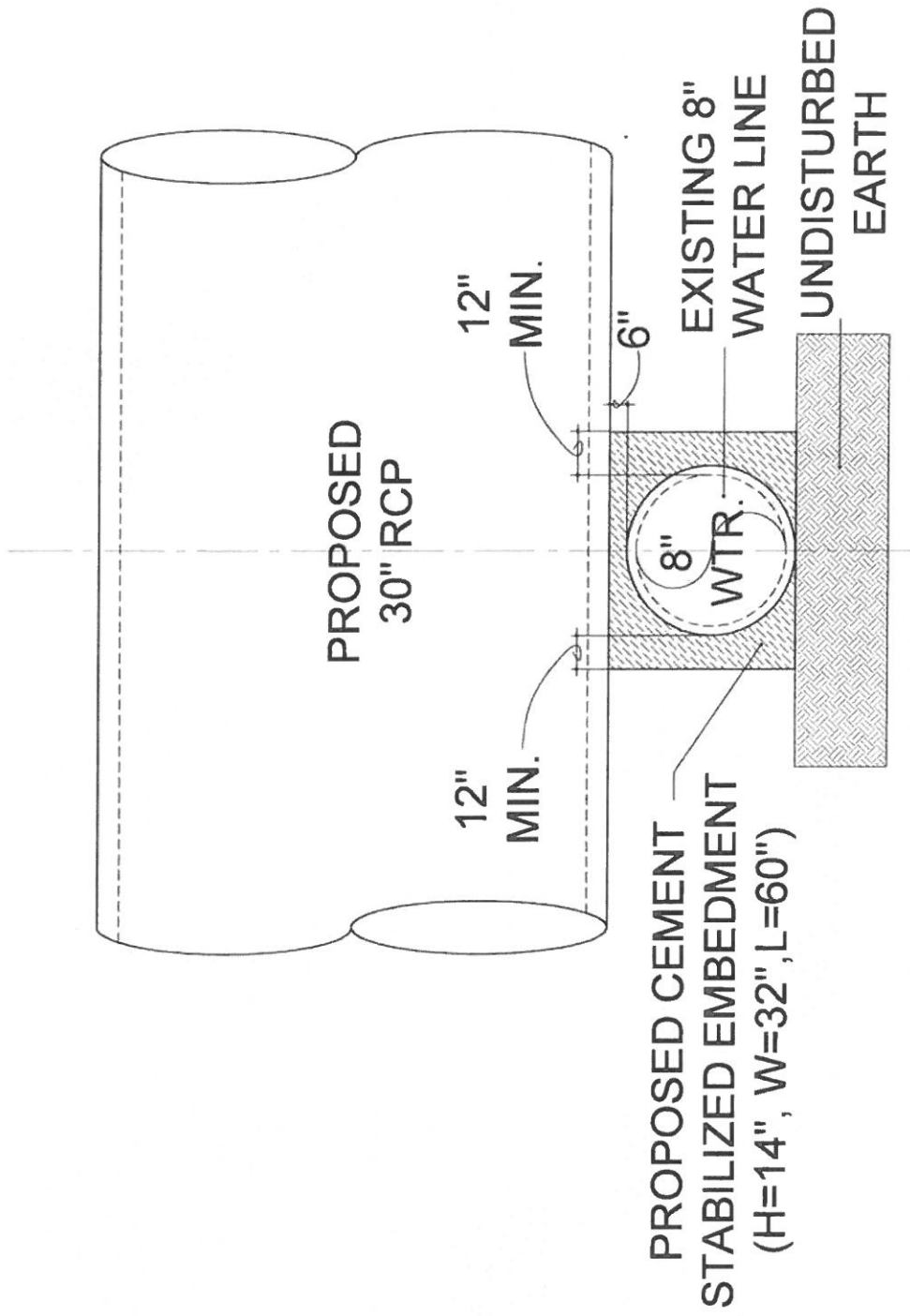
We have reviewed the record/as-built drawings provided by the HRMUD during the design phase and have not found a reference to this water line crossing Rojas Dr at this location. Furthermore, the plans were provided to the HRMUD at 30%,60%, 90%, and pre-final design phase. In addition, several utility coordination meetings were held where the HRMUD was present and HZ presented the identified conflicts where resolutions were required. The HRMUD did not bring up a conflict with a line in this location during the design phase.

In the interest of time to resolve this issue, HZ will evaluate the storm line in this area to determine if the pipe can be raised to clear the water line. However, due to slope limitation, the cover between the water line and the storm may not be more than a foot. HZ will provide a drawing to show new slopes. If the HR MUD does not approve with the our recommendation. They will have to lower the line.

(see attached concrete collar detail for existing 8" waterline, approved by PDEMUD.-CRN February 16, 2017)

AUTHORIZED REPRESENTATIVE: <i>Roxanna Medina, PE</i>	DATE: 1/25/17
---	----------------------

NOTE:



CEMENT STABILIZED DETAIL

NTS

Nevarez, Cesar R

From: Luis De Stefano <lrdestefano25@gmail.com>
Sent: Monday, March 20, 2017 11:52 AM
To: rlara@aiainc.com
Cc: Nevarez, Cesar R; Oscar Burciaga
Subject: Re: FW: Lost days letter

Ruben:
please review the attached information, if you have any question please call me

Equipment	Lost Days	Dates
Sheep Foot Roller CA25PD	21	(1/16-1/24) and (1/24-2/16)
Water Truck Peterbuilt 2000 Gal	21	(1/16-1/24) and (1/24-2/16)
Front End Loader CAT 950 F	21	(1/16-1/24) and (1/24-2/16)
Smooth Roller CAT CS583C	14	1/24-2/16
Excavator CAT 320	14	1/24-2/17
Motor Grader CAT 140 M	14	1/24-2/18

Luis Rene De Stefano
Horizone Construction I LTD
4529 Osborne Dr
El Paso, Tx 79922
T (915) 790-0553
F (915) 790-1133

On Mon, Mar 20, 2017 at 11:10 AM, <rlara@aiainc.com> wrote:

Mr. Stefano,

Please provide a list of the equipment you are claiming as standby in the "Lost Days" letter dated March 10, 2017.

Thanks

Ruben Lara

From: Nevarez, Cesar R [mailto:cesar.r.nevarez@atkinsglobal.com]
Sent: Monday, March 20, 2017 9:30 AM
To: rlara@aiainc.com
Subject: FW: Lost days letter

Try this e-mail.

Cesar R. Nevarez, P.E.

Senior Engineer, Traffic

ATKINS

404 Executive Center Boulevard, El Paso, TX 79902 | Direct: [+1 \(512\) 372 1206](tel:+15123721206) | Fax: [+1 \(915\) 533.4089](tel:+19155334089)

Email: cesar.r.nevarez@atkinsglobal.com | Web: www.atkinsglobal.com/northamerica www.atkinsglobal.com

Twitter: www.twitter.com/atkinsglobal | Facebook: www.facebook.com/atkinsglobal

LinkedIn: www.linkedin.com/company/atkins | YouTube: www.youtube.com/wsatkinsplc

From: Nevarez, Cesar R

Sent: Friday, March 10, 2017 11:47 AM

To: 'rlara@aiainc.com' <rlara@aiainc.com>

Subject: FW: Lost days letter

Ruben,

Can you please check (attached letter) & provide a list of the equipment that Horizone had on standby during the dates that they are asking for lost time?

Thank you,

Cesar R. Nevarez, P.E.

Senior Engineer, Traffic

ATKINS

404 Executive Center Boulevard, El Paso, TX 79902 | Direct: [+1 \(512\) 372 1206](tel:+15123721206) | Fax: [+1 \(915\) 533.4089](tel:+19155334089)

Email: cesar.r.nevarez@atkinsglobal.com | Web: www.atkinsglobal.com/northamerica www.atkinsglobal.com

Twitter: www.twitter.com/atkinsglobal | Facebook: www.facebook.com/atkinsglobal

LinkedIn: www.linkedin.com/company/atkins | YouTube: www.youtube.com/ws Atkinsplc

From: Luis De Stefano [<mailto:lrdestefano25@gmail.com>]

Sent: Friday, March 10, 2017 11:30 AM

To: Nevarez, Cesar R <cesar.r.nevarez@atkinsglobal.com>

Cc: Oscar Burciaga <oeburciaga@gmail.com>; Saul Mejia <horizone-sm@hotmail.com>;

rojasdriveimprovementshorizone@gmail.com; Hudy, Joseph W <Joseph.Hudy@atkinsglobal.com>; Ordonez, Adalberto <Adalberto.Ordonez@atkinsglobal.com>

Subject: Lost days letter

Cesar:

Please see attached letter.

Luis Rene De Stefano

Horizone Construction I LTD

4529 Osborne Dr

El Paso, Tx 79922

T [\(915\) 790-0553](tel:(915)790-0553)

F [\(915\) 790-1133](tel:(915)790-1133)

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Consider the environment. Please don't print this e-mail unless you really need to.

Transition Calculations

$$\text{Asphalt} = \frac{W \times L \times T \times \text{Density}}{2000}$$

$$\text{Asphalt} = \frac{40 \times 60 \times (8/12) \times 145}{2000}$$

$$\text{Asphalt} = 116.00 \text{ Tons}$$

$$\text{Add 10\%} = 11.60 \text{ Tons}$$

$$\text{Total Asphalt} = 127.60 \text{ Tons}$$

$$\text{Oil} = \frac{W \times L \times .25 \text{gal/SY}}{9}$$

$$\text{Oil} = \frac{40 \times 60 \times .25}{9}$$

$$\text{Oil} = 67 \text{ Gal}$$

$$10 \% \text{ Oil} = 7 \text{ Gal}$$

Traffic Control Specialists Sales and Rentals
QUOTE DOCUMENT REFERENCE



Reference

3120 Trawood Dr. Suite F
 El Paso, Texas 79936
 B: (915) 921-0300
 Fax: (915) 921-1647

© 915.921.0300
 915.921.9347
 info@tcs-ep.com

Company Name:	Horizone Construction
Project Contact:	Saul Mejia, 915-790-0563, horizone-sm@hotmail.com
Instructions Reference:	Temporary Traffic Control, Barricades and Equipment
Date:	Thursday, April 6, 2017
Description:	Change Order: Rojas Drive Improvement Project
Terms of Contract:	Quote

Qty	Traffic Equipment		Unit Price	Total
	Project Equipment			
80	Channelizing Drums w/Sleeve (30-day Intervals)	\$108.00	\$	3,240.00
1	No Right Turn Sign w/Stand (30-day Intervals)	\$2.15	\$	64.50
1	No Left Turn Sign w/Stand (30-day Intervals)	\$2.15	\$	64.50
1	Type III Barricade (30-day Intervals)	\$3.95	\$	118.50
	Equipment Rental Rates	\$116.25/Day		\$3,487.50/Month
Delivery & Setup				
1	Crew Leader (Cost/3-Hour)	\$60.00	\$	180.00
2	Laborer (Cost/3-Hour)	\$50.00	\$	150.00
1	Service Truck (Day)	\$100.00	\$	100.00
1	Trailer (Day)	\$45.00	\$	45.00
	Delivery & Setup (Fee)			\$475.00/Fee
	Delivery & Setup (Fee)	\$475.00/Fee		
Subtotal			\$	3,962.50
Tax			\$	326.91
Total			\$	4,289.41

QUOTE IS GOOD FOR 30 DAYS

Taxes and Fees will be applied on final invoice.
 Any additional equipment or setups not listed in Temporary Traffic Control Scope of Work will be charged a unit prices as field conditions to determine actual equipment and quantities used.
 Any missing and/or damaged equipment due to negligence will be charged accordingly.
 The form must be completed fully and contain an original signature of the bidder or its authorized agent.

PROJECT: Rojas Drive Date 6/13/2017
 ITEM NUMBER/DESC.: Idle Time
 ESTIMATED QUANTITY: 1
 DATE PERFORMED: Pending

ITEM DESCRIPTION	QTY	UNIT	UNIT COSTS				TOTAL COSTS						
			LABOR	EQUIP	MATERIAL	SUBCT.	LABOR	EQUIP	MATERIAL	SUBCT.			
LABOR													
MATERIAL													
EQUIPMENT													
sheep foot roller CA25PD	21	Day		\$ 295.00									
Water truck peterbilt 200 gal	21	Day		\$ 109.62									
Front end loader CAT 950 F	21	Day		\$ 310.00									
Smooth Roller CAT CS583C	14	Day		\$ 330.00									
Excavator CAT 320 EL	14	Day		\$ 690.00									
Motor grader CAT 140 M	14	Day		\$ 566.40									
SUBCONTRACT													
MISC													

TOTAL LABOR	\$ -	
TOTAL MATERIAL	\$ -	
TOTAL SUBCONTRACT	\$ -	
TOTAL EQUIPMENT	\$ 37,216.62	
MARKUPS		
LABOR BURDENS	\$ -	@ 55%
LABOR MARK-UP	\$ -	@ 25%
MATERIAL MARK-UP	\$ -	@ 25%
EQUIPMENT MARK-UP	\$ 37,216.62	@ 15%
SUBCONTRACT MARK-UP	\$ -	@ 5%
MISC COST	\$ -	
BOND COST	\$ 42,799.11	SUBTOTAL
	\$ 427.99	1.00%
	\$ 43,227.10	TOTAL

Adjustments for SAULMEJIA6 in All Saved Models

June 22, 2017

Dynapac CA250PD
Single Drum Vibratory Compactors

Size Class:
12.0 - 14.9 MTons
Weight:
26,900 lbs.



Configuration for CA250PD

Drum Width	84 in	Drum Type	Padfoot
Power Mode	Diesel	Net Horsepower	110 hp

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	\$4,230.00	\$1,185.00	\$295.00	\$44.00	\$28.05	\$52.08
Adjustments						
Region (100%)	-	-	-	-		
Model Year (2017: 100%)	-	-	-	-		
Ownership (100%)	-	-	-	-		
Operating (100%)						
Total:	\$4,230.00	\$1,185.00	\$295.00	\$44.00	\$28.05	\$52.08

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	51%	\$2,157.30/mo
Overhaul (ownership)	29%	\$1,226.70/mo
CFC (ownership)	7%	\$296.10/mo
Indirect (ownership)	13%	\$549.90/mo
Fuel (operating) @ 2.3	23%	\$6.58/hr

Revised Date: 1st Half 2017

The equipment represented in this report has been exclusively prepared for SAUL MEJIA (horizone-sm@hotmail.com)



www.equipmentwatch.com

All prices shown in US\$

Rental Rate Blue Book®

June 22, 2017

Miscellaneous GAS 4X2 2000
On-Highway Water Tankers

Size Class:
To **199 TIP**
Weight:
9,600 lbs.

Configuration for GAS 4X2 2000

Power Mode **Gasoline** Horsepower **175**
Tank Capacity **2000 gal**

Blue Book Rates

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

	Ownership Costs				Estimated Operating Costs Hourly	FIHWA Rate** Hourly
	Monthly	Weekly	Daily	Hourly		
Published Rates	\$1,765.00	\$495.00	\$125.00	\$19.00	\$24.25	\$34.28
Adjustments						
Region (100%)	-	-	-	-		
Model Year (2005; 87.7%)	(\$217.10)	(\$60.89)	(\$15.38)	(\$2.34)		
Ownership (100%)	-	-	-	-		
Operating (100%)	-	-	-	-		
Total:	\$1,547.90	\$434.11	\$109.62	\$16.66	\$24.25	\$33.04

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	51%	\$900.15/mo
Overhaul (ownership)	31%	\$547.15/mo
CFC (ownership)	6%	\$105.90/mo
Indirect (ownership)	12%	\$211.80/mo
Fuel (operating) @ 2.34	65%	\$15.72/hr

Revised Date: 2nd Half 2016

The equipment represented in this report has been exclusively prepared for SAUL MEJIA (horizone-sm@hotmail.com)

EquipmentWatch.

www.equipmentwatch.com

All prices shown in US\$

Rental Rate Blue Book®

June 22, 2017

Caterpillar 950F (disc. 1993)
4-Wd Articulated Wheel Loaders

Size Class:
150 - 174 HP
Weight:
33,757 lbs.



Configuration for 950F (disc. 1993)

Operator Protection	EROPS	Bucket Capacity - Heaped	3.25 cu yd
Net Horsepower	170 hp	Power Mode	Diesel

Blue Book Rates

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

	Ownership Costs				Estimated Operating Costs Hourly	FHWA Rate** Hourly
	Monthly	Weekly	Daily	Hourly		
Published Rates	\$4,455.00	\$1,245.00	\$310.00	\$47.00	\$29.00	\$54.31
Adjustments						
Region (100%)	-	-	-	-		
Model Year (1993: 100%)	-	-	-	-		
Ownership (100%)	-	-	-	-		
Operating (100%)						
Total:	\$4,455.00	\$1,245.00	\$310.00	\$47.00	\$29.00	\$54.31

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	42%	\$1,871.10/mo
Overhaul (ownership)	38%	\$1,692.90/mo
CFC (ownership)	8%	\$356.40/mo
Indirect (ownership)	12%	\$534.60/mo
Fuel (operating) @ 2.36	44%	\$12.84/hr

Revised Date: 2nd Half 2016

The equipment represented in this report has been exclusively prepared for SAUL MEJIA (horizone-sm@hotmail.com)

EquipmentWatch

www.equipmentwatch.com

All prices shown in US\$

Rental Rate Blue Book®

June 21, 2017

Caterpillar CS-583C (disc. 2001)

Single Drum Vibratory Compactors

Size Class:
15.0 MTons & Over
 Weight:
33,060 lbs.



Configuration for CS-583C (disc. 2001)

Power Mode	Diesel	Net Horsepower	137 hp
Drum Type	Smooth	Drum Width	84 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	\$4,700.00	\$1,315.00	\$330.00	\$50.00	\$39.25	\$65.95
Adjustments						
Region (100%)	-	-	-	-		
Model Year (2001: 100%)	-	-	-	-		
Ownership (100%)	-	-	-	-		
Operating (100%)						
Total:	\$4,700.00	\$1,315.00	\$330.00	\$50.00	\$39.25	\$65.95

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	51%	\$2,397.00/mo
Overhaul (ownership)	29%	\$1,363.00/mo
CFC (ownership)	7%	\$329.00/mo
Indirect (ownership)	13%	\$611.00/mo
Fuel (operating) @ 2.3	21%	\$8.19/hr

Revised Date: 1st Half 2017

The equipment represented in this report has been exclusively prepared for SAUL MEJIA (horizone-sm@hotmail.com)

Rental Rate Blue Book®

June 22, 2017

Caterpillar 320E L
Crawler Mounted Hydraulic Excavators



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

Configuration for 320E L

Net Horsepower **153 hp** Power Mode **Diesel**
Operating Weight **23.7 mt**

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	\$9,855.00	\$2,760.00	\$690.00	\$105.00	\$46.55	\$102.54
Adjustments						
Region (100%)	-	-	-	-		
Model Year (2017: 100%)	-	-	-	-		
Ownership (100%)	-	-	-	-		
Operating (100%)						
Total:	\$9,855.00	\$2,760.00	\$690.00	\$105.00	\$46.55	\$102.54

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	37%	\$3,646.35/mo
Overhaul (ownership)	49%	\$4,828.95/mo
CFC (ownership)	7%	\$689.85/mo
Indirect (ownership)	7%	\$689.85/mo
Fuel (operating) @ 2.36	33%	\$15.17/hr

Revised Date: 2nd Half 2016

The equipment represented in this report has been exclusively prepared for SAUL MEJIA (horizone-sm@hotmail.com)

Rental Rate Blue Book®

June 22, 2017

Caterpillar 140M
Articulated Frame Graders



Size Class:
170 - 199 HP
Weight:
35,708 lbs.

Configuration for 140M

Moldboard Size	12 ft	Net Horsepower	183 hp
Power Mode	Diesel	Operator Protection	EROPS

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	\$8,595.00	\$2,405.00	\$600.00	\$90.00	\$38.95	\$87.79
Adjustments						
Region (100%)	-	-	-	-	-	-
Model Year (2008-94.4%)	(\$481.32)	(\$134.68)	(\$33.60)	(\$5.04)	-	-
Ownership (100%)	-	-	-	-	-	-
Operating (100%)	-	-	-	-	-	-
Total:	\$8,113.68	\$2,270.32	\$566.40	\$84.96	\$38.95	\$85.05

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	33%	\$2,836.35/mo
Overhaul (ownership)	49%	\$4,211.55/mo
CFC (ownership)	7%	\$601.65/mo
Indirect (ownership)	11%	\$945.45/mo
Fuel (operating) @ 2.36	35%	\$13.82/hr

Revised Date: 2nd Half 2016

The equipment represented in this report has been exclusively prepared for SAUL MEJIA (horizone-sm@hotmail.com)