

CHANGE ORDER FORM

CHANGE ORDER NUMBER 09

PROJECT: US 271: The construction of a new location, freeway facility consisting of grading, structures, base, surfacing & pavement markings from 0.3 miles north of US 67 to 0.6 miles south of FM 3417

CONTRACTOR: Williams Brothers Construction Co., Inc.

Contractor is directed to make the following changes to the Contract Documents.

DESCRIPTION OF CHANGES: Provide Temporary Traffic Signal for Traffic Control at US 271 NBFR and FM 3417 during Phase 2
Provide Armor Plate at end of concrete pavement areas / Remove Anchor Lug Requirements
Revise Connection Detail at North end of project near IH 30
Reduce quantity for Temporary Warm Seeding

ATTACHMENTS: See Separate List of Attachments

CHANGE IN CONTRACT PRICE

1. Original Price:	\$ 72,825,618.51
2. Total of Prior Change Orders:	\$ 470,102.06
3. Total Price Prior to Current Change Order:	\$ 73,295,720.57
4. Total of Current Change Order:	\$ (48,485.98)
5. New Price Resulting from Current Change Order:	\$ 73,247,234.59

CHANGE IN CONTRACT TIME

Original Time:	663	DAYS
Total of Prior Change Orders:	0	DAYS
Total Time Prior to Current Change Order:	663	DAYS
Total of Current Change Order:	0	DAYS
New Time Resulting from Current Change Order:	663	DAYS

AGREED BY:

Williams Brothers Construction Co:

James D. Pitcock, Jr. 04-22-13
James D. Pitcock, Jr., P.E. (Signature) Chairman and CEO (Date)

PTP Transportation, LLC:

Mark Herdick 5-6-13
(Signature) (Date)

APPROVED BY:

Titus County:

Bryon P. Lee 5-28-13
(Signature) (Date)

Texas Department of Transportation:

(Signature) (Date)

Federal Highway Administration:

(Signature) (Date)



US 271 – Change Order 09
List of Attachments

- **Letter to TxDOT – Re: Change Order 09 Justification**
- **Letter to TxDOT – Re: Change Order 09 Price Justification**
- **Letter to TxDOT – Re: Change Order 09 Environmental Assurance Statement**

- **Addition of Temporary Traffic Signal for Traffic Control at US 271 NBFR and FM 3417**
 - Williams Brothers Change Order Worksheet
 - Letter Quote from Texas Traffic Control Systems, Inc.
 - Sketch of Intersection Signal

- **Armor Plate in lieu of Anchor Lug System**
 - Williams Brothers Plan Change Summary
 - Pricing Breakdown from Williams Brothers (with markups)
 - Equipment Rental Rate Sheets
 - Material Quote for Armor Joints without Seal

- **CRCP to CPCD Connection at north end of project**
 - Williams Brothers Change Order Worksheet
 - Williams Brothers Change Order Estimate Sheets for new items
 - Equipment Rental Rate Sheets
 - Material Quotes for forming lumber, Highway Pavement (Sawing & Sealing), Reinforcing Steel, ANT (Concrete), Concrete Cure, Paving Chairs, and CMC Construction Services
 - Detail Plansheets depicting work to be performed



April 8, 2013

Mr. Roger Ledbetter, P.E.
Area Engineer – Mount Pleasant
Texas Department of Transportation – Atlanta District
2210 W. Ferguson
Mount Pleasant, Texas 75455

RE: Titus County
CSJ: 0248-09-001, etc.
US 271
Change Order 09 Justification

Dear Mr. Ledbetter:

PTP Transportation, LLC, on behalf of Titus County, is submitting for your review and approval Change Order 09 for the subject project. This change order is necessary to provide for payment for modifications or additions to several portions of the project. In summary form, the changes are:

- Addition of a Temporary Traffic Signal for Traffic Control at US 271 NBFR and FM 3417
- Addition of Armor Plate Terminals at Concrete Pavement Ends
- Removal of Anchor Lug Terminals throughout project
- Addition of concrete pavement connection details at the north end of the project
- Reduction of quantity of Temporary Warm Seeding

Addition of a Temporary Traffic Signal for Traffic Control at US 271 NBFR and FM 3417

The traffic control plan for the project is being revised to utilize the new northbound frontage road as a two-way roadway while the construction of the CR 2040 overpass is completed. This will also permit the existing southbound frontage road to be overlaid with asphalt without being under traffic. So that traffic can safely flow through the intersection at FM 3417, a temporary traffic signal is needed. This signal will utilize some of the permanent signal items, but will require additional labor and materials not originally included in the project plans.

Addition of Armor Plate Terminals at Concrete Pavement Ends

Removal of Anchor Lug Terminals throughout project

Following the recommendations of recent research reported in December 2012 that anchor lug terminals are ineffective for continuously reinforced concrete pavement, it was requested that they be removed from the project. In response to the request, TxDOT asked that armor plates be installed at the ends of the concrete pavement to protect the edges from future spalling. This change order removes the anchor lug terminals and provides for armor plate terminals.

Addition of concrete pavement connection details at the north end of the project

The north end of the project shows for the new continuously reinforced concrete pavement (CRCP) to tie in with the existing concrete pavement, contraction design (CPCD) using a modified wide flange terminal anchor system. This design was requested to be changed by TxDOT due to the existing condition of the CPCD and the narrow strip of CRCP proposed to be

April 8, 2013
Mr. Roger Ledbetter
US 271
Change Order 09 Price Justification
Page 2

placed between the wide flange beam and the end of the CPCD. As a result, the new connection detail requires the removal of 20 feet of CPCD and the installation of a support slab with an expansion joint.

Reduction of quantity of Temporary Warm Seeding

As the project progresses and appears to be concluding near the end of this calendar year, the installation of grass seed is being performed now with permanent seeding for the warm months. Since another warm period is not predicted for this construction project, the temporary seeding is not needed. This change order reduces some of the quantity called for in the plans based on what has not been used to date.

All of the costs associated with this change order are summarized in the Cost Report, included with this change order. If you have any questions regarding this matter, please feel free to contact me at (936) 441-9121.

Sincerely,

PTP TRANSPORTATION, LLC



Richard L. Kronenberger, P.E.
Assistant Director of Construction Services

Attachments

cc: PTP Transportation, LLC Staff
File



April 17, 2013

Mr. Roger Ledbetter, P.E.
Area Engineer – Mount Pleasant
Texas Department of Transportation – Atlanta District
2210 W. Ferguson
Mount Pleasant, Texas 75455

RE: Titus County
CSJ: 0248-09-001, etc.
US 271
Change Order 09 Price Justification

Dear Mr. Ledbetter:

This letter serves as notice that the new pay items and prices below have been reviewed and are considered fair and reasonable for the subject project.

Item Number		Description	Unit	Unit Price
Item	Desc			
0681	9999	TEMP TRAFFIC SIGNAL (FM 3417 PHASE 2)	LS	\$9,525.15
0454	9999	ARMOR PLATE TERMINAL	LF	\$70.04
0104	9999	REMOVE CONC PAV & SUPPORT SLAB	SY	\$33.39
9009	1001	EXPANSION JOINT (1-1/2")	LF	\$8.11
9009	1002	DRILL & EPOXY TIE BARS	EA	\$16.96
9009	1003	CONC PVMT (CPCD)(8")	SY	\$51.11
9009	1004	CONC SUPPORT SLAB	LF	\$53.80

This consideration is made based on the justifications provided for each consisting of quotes, previously established labor and equipment rates, and equipment rental rate sheets provided. Each item is described in greater detail below:

0681-9999 TEMP TRAFFIC SIGNAL (FM 3417 PHASE 2)

This justification is provided by a price quote from the traffic signal subcontractor, Texas Traffic Control Systems, Inc., to Williams Brothers Construction Company (WB). The price quote itemizes the additional work items needed, as well as providing a credit for items no longer required. The prices for each item were compared to other project pricing and were determined to be fair and reasonable. The proposal cover sheet from WB indicates their markup for subcontracted work of 5% and 1% fee for bonding.

April 17, 2013
Mr. Roger Ledbetter
US 271
Change Order 09 Price Justification
Page 2

0454-9999 ARMOR PLATE TERMINAL

This work was priced by WB to be self-performed. The pricing justification includes the breakdown of labor, equipment and materials required to perform the estimated work identified. The labor crew and hours are reasonable for the work being performed. The equipment identified is determined to be reasonable and all item unit costs are documented by rental rate sheets from Equipment Watch. The material required for the Armor Plate is priced through a direct price quote from the vendor supplying the material. All items are marked up according to the allowable per specification.

0104-9999 REMOVE CONC PAV & SUPPORT SLAB
9009-1001 EXPANSION JOINT (1-1/2")
9009-1002 DRILL & EPOXY TIE BARS
9009-1003 CONC PVMT (CPCD)(8")
9009-1004 CONC SUPPORT SLAB

These items combine to provide for the removal of existing CPCD paving and replacing with a support slab and expansion joint. The pricing for this work is documented by WB to be self-performed. Each item has a separate pricing sheet that includes the labor, equipment and any materials required to perform. Some items also include subcontracted work. The estimated quantity of work is small for this scope and as a result, it causes the unit prices to be higher than when compared to other work items. Each item has been verified for the estimated quantity of work, as well as the assigned labor and equipment required to perform the work. The equipment pricing is justified through rental rate sheets from Equipment Watch. Materials pricing is documented through telephone or direct quotes from suppliers. The items listed for subcontracting are documented by quotes direct from the subcontractor to perform the work. The prices are considered fair and reasonable for the work being performed.

If you have any questions regarding this matter, please feel free to contact me at (936) 441-9121.

Sincerely,



Richard L. Kronenberger, P.E.
Assistant Director of Construction Services

Attachments

cc: PTP Transportation, LLC Staff
File



April 8, 2013

Mr. Roger Ledbetter, P.E.
Area Engineer – Mount Pleasant
Texas Department of Transportation – Atlanta District
2210 W. Ferguson
Mount Pleasant, Texas 75455

RE: Titus County
CSJ: 0248-09-001, etc.
US 271
Change Order 09 Environmental Assurance Statement

Dear Mr. Ledbetter:

This letter is to serve as notice that the proposed work on this change order will not affect any of the environmental clearances or commitments for the subject project. The work in this change order includes:

- Addition of a Temporary Traffic Signal for Traffic Control at US 271 NBFR and FM 3417
- Addition of Armor Plate Terminals at Concrete Pavement Ends
- Removal of Anchor Lug Terminals throughout project
- Addition of concrete pavement connection details at the north end of the project
- Reduction of quantity of Temporary Warm Seeding

If you have any questions regarding this matter, please feel free to contact me at (936) 441-9121.

Sincerely,

PTP TRANSPORTATION, LLC

A handwritten signature in black ink, appearing to read 'T. Plucker'.

Terry L. Plucker
Director of Environmental Services

cc: PTP Transportation, LLC Staff
File



CHANGE ORDER TRANSMITTAL

Williams Brothers Construction Company, Inc.

P.O. Box 66428, Houston, Texas 77266
Phone: 713-522-9821 Fax: 713-520-5247

Date: February 26, 2013
Project: 0248-09-001
Control: 0248-09-001
Highway: US 271
WB Job: 475

For Office Use Only

To: Vanessa Wallace
Contract Administrator
PTP Transportation, LLC
1500 Research Forest Drive, Suite 106
The Woodlands, TX 77381

Attn: Mr. Jose Ramirez, P.E.
Director of Construction Services

Sent Via: Parcel Post
 UPS
 Federal Express
 Courier
 Other - Email

Dear Mr. Ramirez:

We are sending you the attached change order pricing with appropriate documentation. Your approval and initiation of the change order is requested.

Titus County Requested Contractor Requested

Scope/Description:

Titus Co requested change order for temporary traffic signals at US 271 NBFR & FM 3417.

If you have any questions regarding this matter, please call.

Sincerely,
WILLIAMS BROTHERS
CONSTRUCTION COMPANY, INC.

Seth Schulgen
Vice President

Encls
Change Order Estimate
Subcontractor Estimate

Summary

U:\CHANGE ORDERS\475\Titus Co. CO - Temp Traffic Signals - Job 475 (TTCS).xlsx

Williams Brothers Construction Company								
Change Order Worksheet								
Item:	Temp Traffic Signals	Qty:	1	ls				WB 475
Project:	0248-09-001							
Control:	0248-09-001							
Hwy:	US 271							
SCOPE								
Titus Co requested change order for temporary traffic signals at US 271 NBFR & FM 3417.								
Item	Description	UM	Est Qty	Unit \$	Est \$	Unit \$	Est \$	Remark
NEW ITEMS								
8608-XXXX	TEMP TRAFFIC SIGNAL REVISIONS	LS	1.00	8,981.75	8,981.75	9,525.15	9,525.15	
	TOTAL CHANGE ORDER						9,525.15	
The pricing provided constitutes an estimate of the work to be performed based on the information provided by TxDOT. It should not be interpreted as a representation of actual cost.								

TEXAS TRAFFIC CONTROL SYSTEMS, INC.

P.O. BOX 147, DIKE, TEXAS 75437

903-945-5129

FAX 877-543-5918

February 18, 2013

Jesse Khangura
Williams Brothers Construction Company
P. O. Box 66428
Houston, Texas 77266-6428

RE: Titus County
Project: 0248-09-001
Job# 475

Jesse,

As discussed in the progress meeting on Feb 5, 2013, the following is the price for the Temporary Traffic Signals at US 271, North bound Frontage road and FM 3417. The additional price for temporary signals will be \$8981.75.

The following is a breakdown:

Additional Temporary Needed:

5 sec. Sig Head	1 ea	872.00	872.00
5 sec back plate	1 ea	100.00	100.00
LTOG Ball sign	2 ea	350.00	700.00
RADD (TEMP) labor only	1 ea	1045.00	1045.00
RADD Cable	900 lf	3.00	2700.00
12 AWG 7 Condr	1325 lf	1.95	2583.75
12 AWG 5 Condr	580 lf	1.50	870.00
VIVDS Comm cbl	580 lf	2.00	1160.00
Labor to remove temp sig	1 ea	500.00	<u>500.00</u>
Total Additional			10530.75

Credit for Temporary not installed

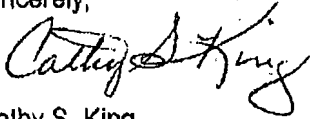
40' wood pole	1 ea	850.00	850.00
12 AWG 7 Condr	120 lf	1.95	234.00
12 AWG 5 Condr	150 lf	1.50	225.00
VIVDS Coax	120 lf	2.00	<u>240.00</u>
Total Credit			1549.00

Total Change Amount

\$8981.75

If you have any questions please give me a call.

Sincerely,

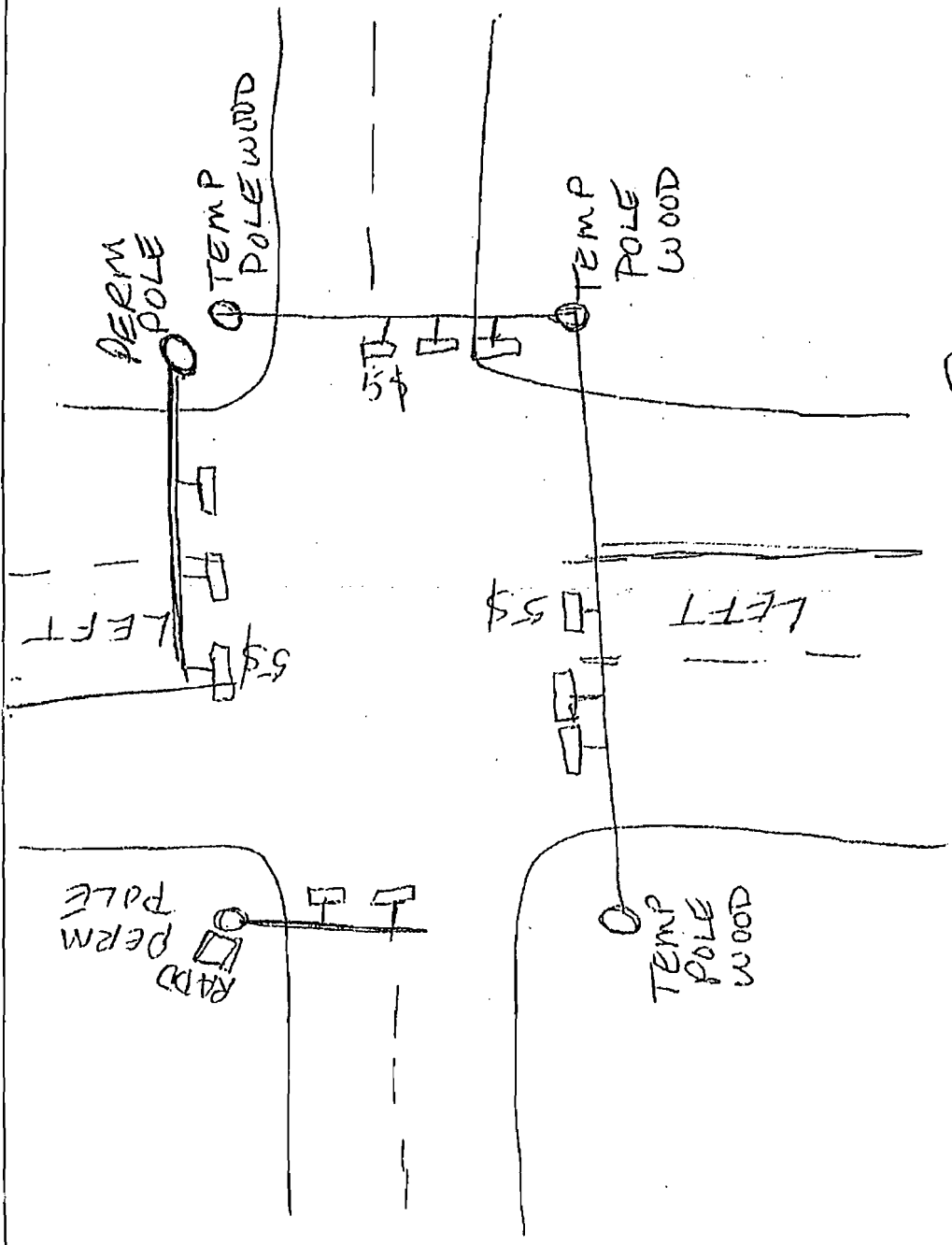
A handwritten signature in cursive script that reads "Cathy S. King". The signature is written in black ink and is positioned above the printed name.

Cathy S. King
President

4 AIRPORT

N

S



271

3



CHANGE ORDER TRANSMITTAL

Williams Brothers Construction Company, Inc.

P.O. Box 66428, Houston, Texas 77266
Phone: 713-522-9821 Fax: 713-520-5247

Date: March 17, 2013
Project: CSJ 0258-09-001
Control: CSJ 0258-09-001
Highway: US 271
WB Job: 475

For Office Use Only

To: Vanessa Wallace
Contract Administrator
PTP Transportation, LLC
1500 Research Forest Drive, Suite 106
The Woodlands, Texas 77381

Sent Via: Parcel Post
 UPS
 Federal Express
 Courier
 Other - Email

Attn: Mr. Rick Kronenberger, P.E.
Assistant Director of Construction

Dear Mr. Kronenberger:

We are sending you the attached change order pricing with appropriate documentation. Your approval and initiation of the change order is requested.

PTP Requested Contractor Requested

Scope/Description:

Pricing to install Armor Joints in lieu of Anchor Lug System as requested.

If you have any questions regarding this matter, please call.

Sincerely,
WILLIAMS BROTHERS
CONSTRUCTION COMPANY, INC.

Randy T Rogers
Randy T. Rogers
Vice President

Encls

CSJ 0248-09-001
Titus County US 271
WB 475

PLAN CHANGE SUMMARY

Item	Description	UM	Source	Qty	WB Price	
					Unit \$	Extension
0454-2004	ARMOR JOINT	LF	Estimated	1,155.00	70.04	80,894.72
0368-2002	ANCHOR LUGS PAVEMENT TERMINALS	LF	Existing Bid Price	(502.00)	80.00	(40,160.00)
TOTAL CHG ORDER						40,734.72

WORK DESC:

RE: Email of February 20,2013
Furnish and Install 4" Armor Joint in lieu of Anchor Lug System
Revised 3/14/2013 - Equipment changes
Revised 4/17/2013 - 1/2 Armor Joint used

This pricing provided constitutes an estimate of the work to be performed based on the information provided by FTP. It should not be interpreted as a representative of actual cost.

(832)347-0373 - Glen
(281)787-9572 - Kelli

P.O. BOX 843
TOMBALL, TX 77377

BENNINGFIELD STEEL FABRICATION, LLC

April 17, 2013

Williams Brothers Construction

Attn: Randy Rogers

Ref: Titus Co. (WB Job 476)

Gentlemen:

We are pleased to quote the following prices for your consideration and acceptance within 30 days.
We propose to furnish the labor and material required to fabricate:

1,155 LF – Armor Joints w/o Seal @ \$ 19.25 / LF
(Half Joint – One Plate Only)
4" Joints – Shipped in 20' Lengths
Primed w/ TXDOT System II Primer

Any steel discrepancies requiring correction, must be verified by Benningfield Steel and handled in accordance with the latest edition of the A.I.S.C. Code of Standard Practices.

F.O.B. Jobsite (Titus Co.)

No local, state, or federal taxes are included in the price.

All invoices are due 100% in thirty days, all overdue invoices are subject to a 1 1/2% penalty per month.

Pricing is based on the purchase of all items listed above.

Failure to exclude an item does not mean that we intend to furnish it.

Thank you for giving us the opportunity to provide you with this quotation. If you have any questions, or need further information, please feel free to give me a call.

Regards,

Glen Benningfield

Glen Benningfield
Benningfield Steel Fabrication, LLC
glen@benningfieldsteel.com



www.equipmentwatch.com

Adjustments for TR01 In Inventory

April 17, 2013

On-Highway Flatbed Trucks
Miscellaneous Models

Size Class:
18,501 - 28,000 GVW 18,501 - 28,000 GVW

Configuration for On-Highway Flatbed Trucks

Power Mode	Diesel	Axle Configuration	4X2
Maximum Gross Vehicle Weight	20,000 lbs	Horsepower	200.0

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	\$1,345.00	\$375.00	\$94.00	\$14.00	\$22.30	\$28.94
Adjustments						
Region (Texas: 91.4%)	(\$115.67)	(\$32.25)	(\$8.08)	(\$1.20)		
Model Year (2008: 94.6%)	(\$67.81)	(\$18.85)	(\$4.73)	(\$0.70)		
Ownership (90%)	(\$118.17)	(\$32.39)	(\$8.12)	(\$1.21)		
Operating (100%)						
Total:	\$1,045.55	\$291.51	\$73.07	\$10.89	\$22.30	\$28.24

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	51%	\$685.95 / mo
Overhaul (ownership)	31%	\$416.86 / mo
CFC (ownership)	5%	\$67.25 / mo
Indirect (ownership)	13%	\$174.85 / mo
Fuel (operating) @ \$4.13	73%	\$16.19 / hr

Revised Date: 2nd Half 2012

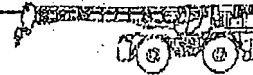
EQUIPMENT WATCH

www.equipmentwatch.com

Adjustments for CR09 in Inventory

March 14, 2013

Terex RT 130 (disc. 1997)
Rough Terrain Hydraulic Cranes



Size Class:
26.0 - 29.9 MTons 26.0 - 29.9 MTons
Weight:
N/A

Configuration for RT 130

Power Mode	Diesel	Axle Configuration	4 X 4 X 4
Maximum Boom Length	72.0 ft	Maximum Lift Capacity	29,9744 MT
Net Horsepower	148.0		

Manufacturer Notes: Refer to LORAIN and P & H for other models.

Blue Book Rates

** FHWA Rate is equal to the monthly ownership cost divided by 178 plus the hourly estimated operating cost.

	Ownership Costs				Estimated Operating Costs Hourly	FHWA Rate** Hourly
	Monthly	Weekly	Daily	Hourly		
Published Rates	\$6,690.00	\$1,876.00	\$470.00	\$71.00	\$48.75	\$86.76
Adjustments						
Region (Texas: 91.6%)	(\$681.96)	(\$167.50)	(\$39.48)	(\$5.98)		
Model Year (100%)						
Ownership (80%)	(\$812.80)	(\$171.75)	(\$43.05)	(\$0.50)		
Operating (100%)						
Total:	\$5,515.24	\$1,545.75	\$387.47	\$58.84	\$48.75	\$80.09

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	40%	\$2,676.00 / mo
Overhaul (ownership)	40%	\$3,278.10 / mo
CFC (ownership)	5%	\$334.50 / mo
Indirect (ownership)	6%	\$401.40 / mo
Fuel (operating) @ \$3.98	45%	\$21.79 / hr

Revised Date: 1st Half 2013



www.equipmentwatch.com

Adjustments for WM02 in Inventory

April 17, 2013

Portable Welders
Miscellaneous Models

Size Class:
401 - 500 amps 401 - 500 amps

Configuration for Portable Welders

Power Mode	Diesel	Current	DC-CC
Mounting	Trailer	Horsepower	47.0

Equipment Notes: CC-constant current; CV-constant voltage. Includes ground cable and lead cable only. Tire costs are not included for trailer mounted welders.

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	\$365.00	\$100.00	\$26.00	\$4.00	\$9.75	\$11.82
Adjustments						
Region (Texas: 92.8%)	(\$28.28)	(\$7.20)	(\$1.80)	(\$0.28)		
Model Year (2008: 91.4%)	(\$29.13)	(\$7.98)	(\$2.00)	(\$0.32)		
Ownership (100%)						
Operating (100%)						
Total:	\$309.59	\$84.82	\$21.20	\$3.39	\$9.75	\$11.51

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	50%	\$182.60 / mo
Overhaul (ownership)	27%	\$98.55 / mo
CFC (ownership)	7%	\$26.55 / mo
Indirect (ownership)	18%	\$58.40 / mo
Fuel (operating) @ \$3.98	79%	\$7.73 / hr

Revised Date: 1st Half 2013



www.equipmentwatch.com

Adjustments for AC02 In Inventory

April 17, 2013

Portable Rotary Screw Air Compressors
Miscellaneous Models

Size Class:
125 - 249 cfm 125 - 249 cfm

Configuration for Portable Rotary Screw Air Compressors

Power Mode	Diesel	Air Delivery Rating	185 cfm
Rated Pressure @ PSI	125	Horsepower	00.0

Blue Book Rates

** FHWA Rate is equal to the monthly ownership cost divided by 178 plus the hourly estimated operating cost.

	Ownership Costs				Estimated Operating Costs Hourly	FHWA Rate** Hourly
	Monthly	Weekly	Daily	Hourly		
Published Rates	\$750.00	\$210.00	\$53.00	\$8.00	\$15.40	\$19.68
Adjustments						
Region (Texas: 89.8%)	(\$78.60)	(\$21.42)	(\$5.41)	(\$0.82)		
Model Year (2008: 94.3%)	(\$38.39)	(\$10.75)	(\$2.71)	(\$0.41)		
Ownership (90%)	(\$63.51)	(\$17.78)	(\$4.49)	(\$0.68)		
Operating (100%)						
Total:	\$571.60	\$160.05	\$40.39	\$8.00	\$15.40	\$18.65

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	25%	\$187.50 / mo
Overhaul (ownership)	65%	\$487.50 / mo
CFC (ownership)	3%	\$22.50 / mo
Indirect (ownership)	7%	\$52.50 / mo
Fuel (operating) @ \$3.98	74%	\$11.48 / hr

Revised Date: 1st Half 2013

Basellne	Station	Length (LF)
US 271	101+00.00	42
US 271	102+40.00	42
US 271	124+92.83	89
US 271	343+10.09	52
US 271	345+64.30	52
NBFR2	88+30.00	30
NBFR2	103+00.00	30
NBFR2	151+55.00	30
NBFR2	177+23.20	30
NBFR3	304+24.59	30
NBFR3	369+00.04	30
NBFR3	400+00.00	38
SBFR2	91+95.00	30
SBFR2	107+13.94	30
SBFR2	154+00.00	30
SBFR2	181+04.31	30
RSB14	30+30.39	32
US 67	73+50.00	44
US 67	88+60.00	45
SH 49	60+60.00	88
FM 899	56+50.00	44
FM 899	68+00.00	20
FM 127	49+15.00	40
FM 127	59+50.00	23
FM 1000	54+76.00	44
SW 48	56+00.00	14
FM 3417	52+69.28	112
FM 3417	57+70.00	34
TOTAL		1,155

Craig Hill

From: Randy Rogers [RRogers@wbcbx.com]
Sent: Friday, March 08, 2013 8:27 AM
To: Craig Hill
Subject: FW: Job 475: Armor Plates
Attachments: Armor Plate.pdf

Follow Up Flag: Follow up
Flag Status: Flagged

Categories: Red Category

From: Jesse Khangura
Sent: Wednesday, February 20, 2013 7:58 PM
To: Randy Rogers
Cc: Seth Schulgen
Subject: Job 475: Armor Plates

FYA. The total quantity is 1165 LF not 1500 LF.

Jesse Khangura
Vice President
Williams Brothers Construction Co., Inc.
jkhangura@wbcbx.com
Office 713-622-9821
Fax 713-622-5958
Cell 832-309-4104

From: Robert Dick [<mailto:rdick@ptp.net>]
Sent: Wednesday, February 20, 2013 1:43 PM
To: Jesse Khangura
Cc: TitusCounty
Subject: Armor Plates

Jesse, attached is the 4" Armor Plate Detail (without a seal) we are proposing to use on the free ends of all concrete paving in lieu of installing the Anchor Lug Systems. We are asking that Williams Brothers please provide a linear foot price for the armor plate and installation for an approx. quantity of 1500 LF. Please keep in mind that the support slab as shown on plan sheet 464 will still need installing. Also keep in mind that the elimination of the Anchor Lugs was discussed and approved by TxDOT with the understanding that we would add armor plates as a tradeoff. The current cost of the Anchor Lug Systems in the plans is only \$40,160.00. Hopefully Williams Brothers can give the County a competitive price and the Anchor Lugs can be eliminated which would also benefit Williams Brothers. One more question I have is can this material be order as needed or is an exact quantity necessary. Thanks for your help it is always greatly appreciated.

Robert C. Dick Jr.
Chief Inspector
PTP Transportation, LLC
1500 Research Forest Drive, Suite 200
The Woodlands, Texas 77381
Direct: 936-521-7130
Office: 936-441-9121
Fax: 936-539-9176



CHANGE ORDER TRANSMITTAL

Williams Brothers Construction Company, Inc.

P.O. Box 66428, Houston, Texas 77266
Phone: 713-522-9821 Fax: 713-520-5247

Date: March 13, 2013
Project: 0248-08-001
Control: 0248-08-001
Highway: US 271
WB Job: 476

For Office Use Only

To: Vanessa Wallace
Contract Administrator
PTP Transportation, LLC
1500 Research Forest Drive, Suite 106
The Woodlands, TX 77381

Sent Via: Parcel Post

UPS

Federal Express

Courier

Other - Email

Attn: Mr. Rick Kronenberger, P.E.

Dear Mr. Kronenberger:

We are sending you the attached change order pricing with appropriate documentation. Your approval and initiation of the change order is requested.

Titus County Requested Contractor Requested

Scope/Description:

Titus Co/TxDOT requested change order for the CRCP to GPCD tie-in on the north end of the project.
If you have any questions regarding this matter, please call.

Sincerely,
WILLIAMS BROTHERS
CONSTRUCTION COMPANY, INC.

Seth Schulgen
Vice President

Encls
Change Order Estimate

Summary

UNCHANGE ORDERSW78Titus Co. CO - CPCD Tie-In - Job 476.34x

Williams Brothers Construction Company
Change Order Worksheet

Item: CPCD Tie-In Qty: 1 is WB 476
 Project: 0246-09-001
 Control: 0246-00-001
 Hwy: US 271

SCOPE

Titus Co/TxDOT requested change order for the CRCP to CPCD Tie-In on the north end of the project.

Item	Description	UM	Est Qty	SUB		WBCC		Remark
				Unit \$	Ext \$	Unit \$	Ext \$	
EXISTING ITEMS								
0280-2014	LIME TRT, SUBGRD, 6"	SY	204.00			1.80	328.40	
0280-2012	LIME, HYD, COM OR QK, SLRY, OR QK, DRY	TON	3.00			180.00	480.00	
0278-2220	CEM TRT PLNT MX CL NTY D GR 4 8"	SY	204.00			8.00	1,632.00	
0340-2184	D GR HMA, METH, TY F	TON	12.00			104.30	1,251.60	
0380-2070	CONC PAVE CONC REINF CRCP 10.5"	SY	183.00			32.46	4,986.38	
0528-2008	CONC CURB MONO TY II	LF	40.00			4.00	160.00	
NEW ITEMS								
104-XXXX	REMOVE CONC PAV & SUPPORT SLAB	SY	204.00			33.39	6,811.56	
9808-XXXX	1-1/2" EXPANSION JOINT	LF	92.00			5.11	740.12	
9808-XXXX	DRILL & EPOXY TIE BARS	EA	92.00			16.96	1,560.32	
9808-XXXX	CONC PAVE, CPCD 8"	SY	81.11			132.90	6,782.62	
9808-XXXX	SUPPORT SLAB	LF	92.00			63.60	4,949.60	
TOTAL CHANGE ORDER							29,676.30	

The pricing provided constitutes an estimate of the work to be performed based on the information provided by Titus Co/TxDOT. It should not be interpreted as a representation of actual cost.

Texas Traffic Control Systems Change Order Estimate

Item: REMOV CONG PAV & SUPPORT SLAB Qty: 204 SY
 Project: 0248-09-001
 Control: 0248-09-001
 Hwy: US 271

SCOPE

Sawcut, break and remove existing concrete pavement and support slab.

LABOR						
Desc	Qty	Un	Rate	Un	Line Tot	Cat Tot
1 Breaker Operator	8	hrs	15.00	/hr	120.00	
1 Excavator Operator	10	hrs	15.00	/hr	150.00	
9 Laborer	10	hrs	13.00	/hr	390.00	
2 Truck Driver	10	hrs	14.00	/hr	280.00	
1 Foreman	6	hrs	36.00	/hr	176.00	
Labor Burden	85%				613.26	
Labor Comp	26%				278.76	
Unit Labor			8.84	/ls	2,007.00	2,007.00

EQUIPMENT						
Desc	Qty	Un	Rate	Un	Line Tot	Cat Tot
1 426 Excavator	10	hrs	86.44	/hr	864.40	
1 428 Backhoe	8	hrs	31.23	/hr	249.84	
1 NPK Hammer	6	hrs	22.29	/hr	178.92	
1 Cut-off Saw	10	hrs	3.31	/hr	33.10	
1 Air Compressor	10	hrs	18.88	/hr	188.80	
2 Jackhammer	10	hrs	1.04	/hr	20.80	
1 1 Ton Truck	10	hrs	17.61	/hr	176.10	
2 Truck Tractor	10	hrs	69.03	/hr	1,380.60	
2 End Dump Trailer	10	hrs	10.75	/hr	215.00	
1 1/2 Ton Truck	6	hrs	21.21	/hr	106.05	
Equip Comp	15%				511.85	
Unit Equip			19.24	/ls	3,924.88	3,924.88

MATERIALS						
Desc	Qty	Un	Rate	Un	Line Tot	Cat Tot
		cy		/cy		
Supplies Comp	26%					
Salvage	0%					
Unit Sup			-	/ls		0.00

SUBCONTRACTORS						
Desc	Qty	Un	Rate	Un	Line Tot	Cat Tot
1 Sawcut Existing Cono Pav	92	lf	8.40	/lea	772.80	
Subtotal					772.80	
Subcont Comp	6%				38.64	
Unit Sub			3.08	/ls	811.44	811.44

TOTALS						
Subtotal					\$ 6,743.40	6,743.40
PERFORMANCE BOND - 1%						87.43
Item Total						6,810.84
CHANGE ORDER ESTIMATED UNIT PRICE					\$	33.39

The pricing provided constitutes an estimate of the work to be performed based on the information provided by TxDOT. It should not be interpreted as a representation of actual cost.

Texas Traffic Control Systems
Change Order Estimate

Item: 1-1/2" EXPANSION JOINT Qty: 92 lf
 Project: 0248-08-001
 Control: 0248-08-001
 Hwy: US 271

SCOPE						
Furnish and install 1-1/2" expansion joint.						
LABOR						
Desc	Qty	Un	Rate	Un	Line Tot	Cat Tot
2 Laborers	2	hr	13.00	hr	62.00	
Labor Burden	55%				28.80	
Labor Comp	25%				13.00	
Unit Labor			1.02	/ls	93.60	93.60
EQUIPMENT						
Desc	Qty	Un	Rate	Un	Line Tot	Cat Tot
1 1 Ton Truck	2	hr	17.61	/ls	36.02	
Equip Comp	16%				5.26	
Unit Equip			0.44	/ls	40.27	40.27
MATERIALS						
Desc	Qty	Un	Rate	Un	Line Tot	Cat Tot
1 3/4" Fiber Expansion Joint	184	sf	1.20	/sf	220.80	
1 Adhesive for Fiber Boards	10	ea	7.00	/sf	70.00	
Supplies Comp	25%				72.70	
Salvage	0%					
Unit Sup			3.96	/ls	363.50	363.50
SUBCONTRACTORS						
Desc	Qty	Un	Rate	Un	Line Tot	Cat Tot
1 Seal 1-1/2" Expansion Joint	92	lf	2.50	lf	230.00	
Subtotal					230.00	
Subcont Comp	5%				11.60	
Unit Sub			2.63	/ls	241.60	241.60
TOTALS						
Subtotal					\$ 738.87	738.87
PERFORMANCE BOND - 1%						7.39
Item Total						746.26
CHANGE ORDER ESTIMATED UNIT PRICE					\$	8.11
The pricing provided constitutes an estimate of the work to be performed based on the information provided by TxDOT. It should not be interpreted as a representation of actual cost.						

Texas Traffic Control Systems Change Order Estimate

Item: DRILL & EPOXY TIE BARS Qty: 92 ea
 Project: 0248-09-001
 Control: 0248-09-001
 Hwy: US 271

SCOPE						
Drill & epoxy tie bars for CPCD.						
LABOR						
Desc	Qty	Un	Rate	Un	Line Tot	Cat Tot
3 Laborer	8	hrs	13.00	/hr	312.00	
1 Foreman	2	hrs	35.00	/hr	70.00	
Labor Burden	85%				210.10	
Labor Comp	25%				96.50	
Unit Labor			7.47	/ls	687.60	687.60
EQUIPMENT						
Desc	Qty	Un	Rate	Un	Line Tot	Cat Tot
1 1 Ton Truck	8	hrs	17.51	/hr	140.08	
1 Air Compressor	8	hrs	18.98	/hr	151.84	
2 Rock Drill	8	hrs	0.98	/hr	15.68	
1 1/2 Ton Truck	2	hrs	21.21	/hr	42.42	
1 Drill Bits	1	ea	120.00	/ea	120.00	
Equip Comp	16%				70.50	
Unit Equip			6.88	/ls	540.52	540.52
MATERIALS						
Desc	Qty	Un	Rate	Un	Line Tot	Cat Tot
1 30" Tie Bars #5	92	ea	1.95	/ea	179.40	
1 Epoxy	2	gal	37.00	/gal	74.00	
Supplies Comp	25%				63.35	
Salvage	0%					
Unit Sup			3.44	/ls	316.75	316.75
SUBCONTRACTORS						
Desc	Qty	Un	Rate	Un	Line Tot	Cat Tot
1		EA		/ea	-	
Subtotal					-	
Subcont Comp			5%			
Unit Sub			-	/ls	-	-
TOTALS						
Subtotal					\$ 1,844.87	1,544.87
PERFORMANCE BOND - 1%						15.45
Item Total						1,560.32
CHANGE ORDER ESTIMATED UNIT PRICE					\$	16.98
The pricing provided constitutes an estimate of the work to be performed based on the information provided by TxDOT. It should not be interpreted as a representation of actual cost.						

Texas Traffic Control Systems Change Order Estimate

Item: 10.6" CPCD Qty: 61.11 sq
 Project: 0248-09-001
 Control: 0248-09-001
 Hwy: US 271

SCOPE						
Form, pour and cure eight strips of 10.6" CPCD.						
LABOR						
Desc	Qty	Un	Rate	Un	Line Tot	Cat Tot
4 Conc Finisher	12	hrs	14.80	/hr	888.00	
4 Form Builder Conc Pav	12	hrs	14.80	/hr	888.00	
4 Laborer	12	hrs	13.00	/hr	624.00	
1 Mixer Driver	4	hrs	13.00	/hr	62.00	
1 Foreman	6	hrs	35.00	/hr	210.00	
Labor Burden	55%				1,252.90	
Labor Comp	26%				569.80	
Unit Labor			80.23	/ls	4,100.40	4,100.40
EQUIPMENT						
Desc	Qty	Un	Rate	Un	Line Tot	Cat Tot
1 1 Ton Truck	12	hrs	17.51	/hr	210.12	
1 Tools Trailer	12	hrs	2.48	/hr	29.76	
3 Vibrators	12	hrs	0.60	/hr	18.00	
1 Generator	12	hrs	2.87	/hr	34.44	
1 Screed	12	hrs	5.00	/hr	60.00	
1 Transit Mixer	4	hrs	94.27	/hr	377.08	
1 1/2 Ton Truck	6	hrs	21.21	/hr	127.26	
Equip Comp	15%				128.50	
Unit Equip			19.28	/ls	985.10	985.10
MATERIALS						
Desc	Qty	Un	Rate	Un	Line Tot	Cat Tot
1 Class P Concrete	16	cy	63.83	/cy	1,018.08	
1 2" x 12" Lumber for Header	8	ea	22.70	/ea	113.50	
1 Cure	8	gal	3.95	/gal	23.70	
Supplies Comp	25%				288.82	
Salvage	0%					
Unit Sup			28.25	/ls	1,444.10	1,444.10
SUBCONTRACTORS						
Desc	Qty	Un	Rate	Un	Line Tot	Cat Tot
1 Saw & Seal	127	lf	1.50	/lf	190.50	
Subtotal					190.50	
Subcont Comp	6%				9.53	
Unit Sub			3.91	/ls	200.03	200.03
TOTALS						
Subtotal					\$ 6,729.88	6,729.88
PERFORMANCE BOND - 1%						67.30
Item Total						6,797.18
CHANGE ORDER ESTIMATED UNIT PRICE					\$	132.80

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Texas Traffic Control Systems
Change Order Estimate

Item: SUPPORT SLAB Qty: 92 ll
 Project: 0248-00-001
 Control: 0248-09-001
 Hwy: US 271

SCOPE

Sawcut base, excavate, grade, tie reinforcing steel, form and pour support slab.

LABOR

Desc	Qty	Un	Rate	Un	Line Tot	Cat Tot
1 Operator	2	hrs	15.00	/hr	30.00	
2 Conc Finisher	10	hrs	14.50	/hr	290.00	
2 Form Builder Conc Pav	10	hrs	14.50	/hr	290.00	
2 Laborer	10	hrs	13.00	/hr	260.00	
1 Mixer Driver	4	hrs	14.00	/hr	56.00	
1 Truck Driver	2	hrs	14.00	/hr	28.00	
1 Foreman	5	hrs	35.00	/hr	175.00	
Labor Burden	65%				620.95	
Labor Comp	26%				292.29	
Unit Labor			22.09	/ls	2,032.20	2,032.20

EQUIPMENT

Desc	Qty	Un	Rate	Un	Line Tot	Cat Tot
1 410 Backhoe	2	hrs	31.23	/hr	62.46	
1 1 Ton Truck	10	hrs	17.61	/hr	176.10	
1 Tools Traller	10	hrs	2.48	/hr	24.80	
1 Vibrator	10	hrs	0.50	/hr	5.00	
1 Generator	10	hrs	2.87	/hr	28.70	
1 Transit Mixer	4	hrs	94.27	/hr	377.08	
1 Truck Tractor	2	hrs	69.03	/hr	138.06	
1 End Dump Traller	2	hrs	10.76	/hr	21.52	
1 1/2 Ton Truck	6	hrs	21.21	/hr	127.26	
Equip Comp	16%				140.81	
Unit Equip			11.73	/ls	1,079.56	1,079.56

MATERIALS

Desc	Qty	Un	Rate	Un	Line Tot	Cat Tot
1 Class P Concrete	7	cy	63.88	/cy	447.16	
1 Reinforcing Steel - Straight	389	lbs	0.3615	/lbs	140.62	
1 Reinforcing Steel - Bent	484	lbs	0.4010	/lbs	194.18	
1 Chaire	124	ea	0.165	/ea	20.46	
1 30# Fall	1	roll	23.50	/roll	23.50	
Supplies Comp	26%				203.92	
Salvage	0%					
Unit Sup			11.08	/ls	1,019.58	1,019.58

SUBCONTRACTORS

Desc	Qty	Un	Rate	Un	Line Tot	Cat Tot
1 Sawcut Base	184	ll	4.00	/ea	736.00	
Subtotal					736.00	
Subcont Comp	8%				30.80	
Unit Sub			8.40	/ls	772.80	772.80

TOTALS

Subtotal					\$ 4,904.14	4,904.14
PERFORMANCE BOND - 1%						49.04
Item Total						4,953.18
CHANGE ORDER ESTIMATED UNIT PRICE:					\$	63.84

The pricing provided constitutes an estimate of the work to be performed based on the information provided by TxDOT. It should not be interpreted as a representation of actual cost.



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Rental Rate Blue Book®

March 13, 2013

Non-Tilt Deck Utility Trailers
Miscellaneous Models

Size Class:
All All

Configuration for Non-Tilt Deck Utility Trailers

Number of Axles	2	Number of Tires	
Hitch Type	Tow	Capacity	3,000

Blue Book Rates

** FHWA Rate is equal to the monthly ownership cost divided by 170 plus the hourly estimated operating cost.

	Ownership Costs				Estimated Operating Costs Hourly	FHWA Rate** Hourly
	Monthly	Weekly	Daily	Hourly		
Published Rates	\$215.00	\$60.00	\$15.00	\$2.00	\$1.45	\$2.67
Adjustments						
Region (Texas: 00.8%)	(\$26.38)	(\$7.92)	(\$1.98)	(\$0.26)		
Model Year (2009: 98.9%)	(\$6.79)	(\$1.61)	(\$0.40)	(\$0.05)		
Ownership (100%)	-	-	-	-		
Operating (100%)	-	-	-	-		
Total:	\$180.83	\$50.47	\$12.62	\$1.69	\$1.48	\$2.48

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	48%	\$88.90 / mo
Overhaul (ownership)	36%	\$77.40 / mo
CFC (ownership)	5%	\$10.75 / mo
Indirect (ownership)	13%	\$27.96 / mo
Fuel (operating)		

Fuel cost data is not available for these rates.

Revised Date: 2nd Half 2012



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Rental Rate Blue Book®

March 13, 2013

Flexible Shaft Concrete Vibrators
Miscellaneous Models

Size Class:
To 3 HP To 3 HP

Configuration for Flexible Shaft Concrete Vibrators

Power Mode	Electric	Shaft Length	5'
Head Diameter	1.375"	Horsepower	1.0

Equipment Notes: Electricity costs are not included.

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	\$71.00	\$20.00	\$5.00	\$0.75	\$0.15	\$0.55
Adjustments						
Region (Texas: 88%)	(\$8.52)	(\$2.40)	(\$0.60)	(\$0.09)		
Model Year (2012: 98.3%)	(\$1.06)	(\$0.30)	(\$0.07)	(\$0.01)		
Ownership (100%)						
Operating (100%)						
Total:	\$61.42	\$17.30	\$4.33	\$0.65	\$0.15	\$0.50

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	07%	\$47.67 / mo
Overhaul (ownership)	22%	\$15.62 / mo
CFC (ownership)	3%	\$2.13 / mo
Indirect (ownership)	8%	\$5.68 / mo
Fuel (operating)		

Fuel cost data is not available for these rates.

Revised Date: 2nd Half 2012

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Rental Rate Blue Book®

March 13, 2013

Small Generator Sets
Miscellaneous Models

Size Class:
To 5,000 Watts To 5,000 Watts

Configuration for Small Generator Sets

Power Mode	Diesel	Prime Output	2,500 VA
Horsepower	4.7		

Blue Book Rates

** FHWA Rate is equal to the monthly ownership cost divided by 170 plus the hourly estimated operating cost.

	Ownership Costs				Estimated Operating Costs Hourly	FHWA Rate** Hourly
	Monthly	Weekly	Daily	Hourly		
Published Rates	\$140.00	\$38.00	\$10.00	\$2.00	\$2.20	\$3.00
Adjustments						
Region (Texas: 88.8%)	(\$16.76)	(\$6.23)	(\$1.34)	(\$0.27)		
Model Year (2011: 88.9%)	(\$3.78)	(\$1.05)	(\$0.27)	(\$0.05)		
Ownership (100%)						
Operating (100%)						
Total:	\$117.48	\$32.72	\$8.39	\$1.68	\$2.20	\$2.87

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	52%	\$72.80 / mo
Overhaul (ownership)	32%	\$44.80 / mo
CFC (ownership)	5%	\$7.00 / mo
Indirect (ownership)	11%	\$15.40 / mo
Fuel (operating) @ \$3.88	48%	\$1.05 / hr

Revised Date: 1st Half 2013



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March 13, 2013

Rear Discharge Concrete Transit Mixers
Miscellaneous Models

Size Class:
All All

Configuration for Rear Discharge Concrete Transit Mixers

Power Mode	Diesel	Mixer Capacity	10.0 cu yd
Horsepower	280.0	Average Carrier GVW	To 66,000 lbs

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	\$6,215.00	\$1,740.00	\$435.00	\$65.00	\$65.25	\$100.56
Adjustments						
Region (Texas: 88%)	(\$745.80)	(\$208.80)	(\$52.20)	(\$7.80)		
Model Year (2006: 83.4%)	(\$360.97)	(\$101.06)	(\$25.26)	(\$3.76)		
Ownership (100%)						
Operating (100%)						
Total:	\$5,108.23	\$1,430.14	\$357.54	\$53.42	\$65.25	\$94.27

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	47%	\$2,021.05 / mo
Overhaul (ownership)	36%	\$2,423.85 / mo
CFC (ownership)	4%	\$248.60 / mo
Indirect (ownership)	10%	\$621.50 / mo
Fuel (operating) @ \$4.13	55%	\$35.02 / hr

Revised Date: 2nd Half 2012

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March 13, 2013

Portable Rotary Screw Air Compressors
Miscellaneous Models

Size Class:
125 - 249 cfm 125 - 249 cfm

Configuration for Portable Rotary Screw Air Compressors

Power Mode	Class	Air Delivery Rating	185 cfm
Rated Pressure @ PSI	125	Horsepower	80.0

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	FHWA Rate**
	Monthly	Weekly	Daily	Hourly	Hourly	Hourly
Published Rates	\$780.00	\$210.00	\$53.00	\$8.00	\$15.40	\$18.66
Adjustments						
Region (Texas: 89.8%)	(\$78.60)	(\$21.42)	(\$5.44)	(\$0.82)		
Model Year (2007: 93.6%)	(\$43.10)	(\$12.07)	(\$3.05)	(\$0.46)		
Ownership (100%)						
Operating (100%)						
Total:	\$630.40	\$176.51	\$44.54	\$8.72	\$15.40	\$18.98

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	25%	\$187.50 / mo
Overhaul (ownership)	65%	\$487.60 / mo
CFC (ownership)	3%	\$22.50 / mo
Indirect (ownership)	7%	\$52.50 / mo
Fuel (operating) @ \$3.88	74%	\$11.48 / hr

Revised Date: 1st Half 2013



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Rental Rate Blue Book®

March 13, 2013

On-Highway Light Duty Trucks
Miscellaneous Models

Size Class:
100 - 199 HP 100 - 199 HP

Configuration for On-Highway Light Duty Trucks

Power Mode	Diesel	Cab Type	Crew
Axle Configuration	4X2	Ton Rating	1
Horsepower	195.0		

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	\$925.00	\$260.00	\$65.00	\$10.00	\$12.80	\$18.16
Adjustments						
Region (Texas: 91.4%)	(\$79.55)	(\$22.36)	(\$5.60)	(\$0.86)		
Model Year (2008: 95.8%)	(\$34.66)	(\$9.74)	(\$2.44)	(\$0.37)		
Ownership (100%)						
Operating (100%)						
Total:	\$810.79	\$227.90	\$58.97	\$8.77	\$12.80	\$17.91

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	59%	\$545.75 / mo
Overhaul (ownership)	27%	\$249.75 / mo
CFC (ownership)	4%	\$37.00 / mo
Indirect (ownership)	10%	\$82.60 / mo
Fuel (operating) @ \$4.13	76%	\$9.66 / hr

Revised Date: 2nd Half 2012



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Rental Rate Blue Book®

March 13, 2013

On-Highway Light Duty Trucks
Miscellaneous Models

Size Class:
100 - 199 HP 100 - 198 HP

Configuration for On-Highway Light Duty Trucks

Power Mode	Gasoline	Cab Type	Crew
Axle Configuration	4X4	Ton Rating	1/2
Horsepower	191.0		

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	FHWA Rate**
	Monthly	Weekly	Daily	Hourly		
Published Rates	\$710.00	\$200.00	\$50.00	\$8.00	\$17.55	\$21.58
Adjustments						
Region (Texas: 01.4%)	(\$61.06)	(\$17.20)	(\$4.30)	(\$0.89)		
Model Year (2011: 89.8%)	(\$4.54)	(\$1.28)	(\$0.82)	(\$0.05)		
Ownership (100%)	-	-	-	-	-	-
Operating (100%)	-	-	-	-	-	-
Total:	\$644.40	\$181.52	\$45.38	\$7.26	\$17.55	\$21.21

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	59%	\$418.80 / mo
Overhaul (ownership)	27%	\$181.70 / mo
CFC (ownership)	4%	\$28.40 / mo
Indirect (ownership)	10%	\$71.00 / mo
Fuel (operating) @ \$3.92	81%	\$14.23 / hr

Revised Date: 2nd Half 2012



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Rental Rate Blue Book®

March 13, 2013

Hand-Held Pavement Breakers
Miscellaneous Models

Size Class:
To 40 lbs To 40 lbs

Configuration for Hand-Held Pavement Breakers

Weight 35-45 lbs

Model Notes: Silenced

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	\$100.00	\$28.00	\$7.00	\$1.00	\$0.60	\$1.07
Adjustments						
Region (Texas: 89.8%)	(\$10.20)	(\$2.86)	(\$0.71)	(\$0.10)		
Model Year (2009: 93.2%)	(\$8.11)	(\$1.71)	(\$0.43)	(\$0.08)		
Ownership (100%)						
Operating (100%)						
Total:	\$83.89	\$23.43	\$5.85	\$0.84	\$0.50	\$0.88

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	43%	\$43.00 / mo
Overhaul (ownership)	50%	\$60.00 / mo
CFC (ownership)	2%	\$2.00 / mo
Indirect (ownership)	6%	\$6.00 / mo
Fuel (operating)		

Fuel cost data is not available for these rates.

Revised Date: 1st Half 2011

EQUIPMENT WATCH

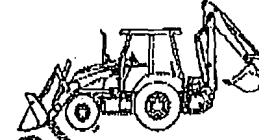
www.equipmentwatch.com

Rental Rate Blue Book®

March 13, 2013

Caterpillar 416B (disc. 1998)
Tractor-Loader-Backhoes

Size Class:
14' to Under 15' 14' to Under 15'
Weight
13,700 lbs.



Configuration for 416B

Power Mode	Diesel	Drive	2WD
Loader Bucket Capacity--Heaped	1.00 cu	Backhoe Slick	Fixed
Net Horsepower	74.0	Operator Protection	ROPS

Equipment Notes: Includes General Purpose loader bucket, backhoe bucket, and ROPS, unless otherwise noted.

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	\$2,018.00	\$565.00	\$130.00	\$21.00	\$21.05	\$32.50
Adjustments						
Region (Texas: 88.8%)	(\$223.67)	(\$62.72)	(\$16.54)	(\$2.33)		
Model Year (1998: 100%)	-	-	-	-		
Ownership (100%)	-	-	-	-		
Operating (100%)	-	-	-	-		
Total:	\$1,794.33	\$502.28	\$124.46	\$18.67	\$21.05	\$31.23

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	38%	\$765.70 / mo
Overhaul (ownership)	44%	\$866.80 / mo
CFC (ownership)	7%	\$141.05 / mo
Indirect (ownership)	11%	\$221.85 / mo
Fuel (operating) @ 3.15	56%	\$11.89 / hr

Revised Date: 2nd Half 2012



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Rental Rate Blue Book®

March 18, 2013

On-Highway Truck Tractors
Miscellaneous Models

Size Class:
33,001 - 45,000 GVW 33,001 - 45,000 GVW

Configuration for On-Highway Truck Tractors

Power Mode	Diesel	Axle Configuration	6XA
Maximum Gross Vehicle Weight	45,000 lbs	Horsepower	380.0

Equipment Notes: Non-Sleeper Cab

Blue Book Rates

** FHWA Rate is equal to the monthly ownership cost divided by 178 plus the hourly estimated operating cost.

	Ownership Costs				Estimated Operating Costs Hourly	FHWA Rate** Hourly
	Monthly	Weekly	Daily	Hourly		
Published Rates	\$3,390.00	\$950.00	\$240.00	\$36.00	\$52.85	\$72.11
Adjustments						
Region (Texas: 81.4%)	(\$291.54)	(\$81.70)	(\$20.84)	(\$3.10)		
Model Year (2008: 81.8%)	(\$250.98)	(\$70.33)	(\$17.77)	(\$2.87)		
Ownership (100%)						
Operating (100%)						
Total:	\$2,847.48	\$797.87	\$201.59	\$30.23	\$52.85	\$69.03

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	47%	\$1,503.30 / mo
Overhaul (ownership)	39%	\$1,322.10 / mo
CFC (ownership)	5%	\$169.60 / mo
Indirect (ownership)	9%	\$305.10 / mo
Fuel (operating) @ \$4.13	73%	\$38.45 / hr

Revised Date: 2nd Half 2012



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Rental Rate Blue Book®

March 13, 2013

On-Highway Rear Dump Full Trailers
Miscellaneous Models

Size Class:
All All

Configuration for On-Highway Rear Dump Full Trailers

Capacity 10.0 oy Payload 11500
Number of Axles 2

Blue Book Rates

** FHWA Rate is equal to the monthly ownership cost divided by 178 plus the hourly estimated operating cost.

	Ownership Costs				Estimated Operating Costs Hourly	FHWA Rate** Hourly
	Monthly	Weekly	Daily	Hourly		
Published Rates	\$1,270.00	\$355.00	\$88.00	\$13.00	\$4.90	\$12.12
Adjustments						
Region (Texas: 80.8%)	(\$167.64)	(\$46.88)	(\$11.76)	(\$1.72)		
Model Year (2008: 83.4%)	(\$72.76)	(\$20.34)	(\$5.10)	(\$0.74)		
Ownership (100%)	-	-	-	-		
Operating (100%)	-	-	-	-		
Total:	\$1,029.60	\$287.00	\$72.15	\$10.54	\$4.90	\$10.76

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	40%	\$508.00 / mo
Overhaul (ownership)	47%	\$596.90 / mo
CFC (ownership)	3%	\$38.10 / mo
Indirect (ownership)	10%	\$127.00 / mo
Fuel (operating)		Fuel cost data is not available for these rates.

Revised Date: 2nd Half 2012



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Rental Rate Blue Book®

March 13, 2013

On-Highway Rear Dump Full Trailers
Miscellaneous Models

Size Class:
All All

Configuration for On-Highway Rear Dump Full Trailers

Capacity 10.0 cy Payload 11.0t
Number of Axles 2

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	\$1,270.00	\$366.00	\$89.00	\$13.00	\$4.80	\$12.12
Adjustments						
Region (Texas: 88.8%)	(\$167.64)	(\$46.86)	(\$11.75)	(\$1.72)		
Model Year (2008: 93.4%)	(\$72.76)	(\$20.34)	(\$5.10)	(\$0.74)		
Ownership (100%)						
Operating (100%)						
Total:	\$1,029.80	\$287.80	\$72.15	\$10.54	\$4.00	\$10.75

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	40%	\$508.00 / mo
Overhaul (ownership)	47%	\$506.00 / mo
CFC (ownership)	3%	\$38.10 / mo
Indirect (ownership)	10%	\$127.00 / mo
Fuel (operating)		

Fuel cost data is not available for these rates.

Revised Date: 2nd Half 2011

EQUIPMENT WATCH

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Rental Rate Blue Book®

March 13, 2013

Caterpillar 426B (disc. 1996)
Tractor-Loader-Backhoes

Size Class:
15' to Under 18' 16' to Under 18'
Weight:
14,970 lbs.



Configuration for 426B

Power Mode	Diesel	Drive	4WD
Loader Bucket Capacity--Heaped	1.26 cy	Backhoe Slick	Fixed
Net Horsepower	79.0	Operator Protection	ROPS

Equipment Notes: Includes General Purpose loader bucket, backhoe bucket, and ROPS, unless otherwise noted.

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	\$2,730.00	\$785.00	\$190.00	\$29.00	\$24.25	\$39.76
Adjustments						
Region (Taxes: 88.8%)	(\$303.03)	(\$84.02)	(\$21.08)	(\$3.22)		
Model Year (1996: 100%)	-	-	-	-		
Ownership (100%)	-	-	-	-		
Operating (100%)	-	-	-	-		
Total:	\$2,426.97	\$680.98	\$168.91	\$25.78	\$24.25	\$38.04

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	38%	\$1,037.40 / mo
Overhaul (ownership)	44%	\$1,201.20 / mo
CFC (ownership)	7%	\$191.10 / mo
Indirect (ownership)	11%	\$300.30 / mo
Fuel (operating) @ \$4.13	52%	\$12.69 / hr

Revised Date: 2nd half 2012



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Rental Rate Blue Book®

March 13, 2013

NPK E-207 (disc. 2007)
Hydraulic Impact Breakers

Size Class:
1,501 - 2,000 lb 1,501 - 2,000 lb
Weight:
2,100 lbs.

Configuration for E-207

Impact Energy 2,000 ftb Impact Energy (AEM) 1,127 ftb
Frequency Range 600/840 bpm

Equipment Notes: Far boom mounting, less tool. Includes hydraulic installation kit, unless otherwise noted.

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	\$2,365.00	\$680.00	\$165.00	\$25.00	\$9.65	\$22.28
Adjustments						
Region (Texas: 100%)	-	-	-	-	-	-
Model Year (2007: 100%)	-	-	-	-	-	-
Ownership (100%)	-	-	-	-	-	-
Operating (100%)	-	-	-	-	-	-
Total:	\$2,365.00	\$680.00	\$165.00	\$25.00	\$9.65	\$22.20

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	36%	\$868.70 / mo
Overhaul (ownership)	47%	\$1,111.65 / mo
CFC (ownership)	3%	\$70.93 / mo
Indirect (ownership)	12%	\$283.80 / mo
Fuel (operating)		

Fuel cost data is not available for these rates.

Revised Date: 2nd Half 2012



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Rental Rate Blue Book®

March 13, 2013

Caterpillar 225D (disc. 1992)
Crawler Mounted Hydraulic Excavators



Size Class:
24.1 - 28.0 MTons, 24.1 - 28.0 MTons
Weight:
56,860 lbs.

Configuration for 225D

Power Mode Diesel Bucket Capacity - Heaped 4.25 cu
Operating Weight 25.8 MT Net Horsepower 165.0

Equipment Notes: Bucket included in rate, unless otherwise noted.

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	\$6,555.00	\$1,835.00	\$490.00	\$69.00	\$82.70	\$89.94
Adjustments						
Region (Texas: 90.8%)	(\$616.17)	(\$172.49)	(\$43.24)	(\$6.49)		
Model Year (-1: 100%)	-	-	-	-		
Ownership (100%)	-	-	-	-		
Operating (100%)	-	-	-	-		
Total:	\$5,938.83	\$1,662.51	\$446.76	\$62.51	\$82.70	\$88.44

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	41%	\$2,687.65 / mo
Overhaul (ownership)	46%	\$3,016.30 / mo
CFC (ownership)	6%	\$399.30 / mo
Indirect (ownership)	7%	\$458.86 / mo
Fuel (operating) @ \$4.15	50%	\$26.28 / hr

Revised Date: 2nd Half 2012



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Rental Rate Blue Book®

March 13, 2013

Cut-Off Saws
Miscellaneous Models

Size Class:
All All

Configuration for Cut-Off Saws

Power Mode Gasoline Blade Diameter 12 in.
Engine Size (Cu. In.) 6

Equipment Notes: Blade costs are not included.

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	\$285.00	\$74.00	\$19.00	\$3.00	\$1.85	\$3.48
Adjustments						
Region (Texas: 92.8%)	(\$19.08)	(\$5.33)	(\$1.37)	(\$0.22)		
Model Year (2012: 97.6%)	(\$5.90)	(\$1.65)	(\$0.42)	(\$0.07)		
Ownership (100%)						
Operating (100%)						
Total:	\$240.02	\$67.02	\$17.21	\$2.71	\$1.95	\$3.31

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	51%	\$135.15 / mo
Overhaul (ownership)	43%	\$113.85 / mo
CFC (ownership)	2%	\$6.30 / mo
Indirect (ownership)	4%	\$10.60 / mo
Fuel (operating) @ \$3.45	54%	\$1.08 / hr

Revised Date: 1st Half 2013



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Rental Rate Blue Book®

March 13, 2013

Hand-Held Pavement Breakers
Miscellaneous Models

Size Class:
56 - 70 lbs 56 - 70 lbs

Configuration for Hand-Held Pavement Breakers

Weight 60-65 lbs

Model Notes: Silenced

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	\$110.00	\$31.00	\$8.00	\$1.00	\$0.50	\$1.12
Adjustments						
Region (Texas: 89.8%)	(\$11.22)	(\$3.16)	(\$0.82)	(\$0.10)		
Model Year (2011: 06.6%)	(\$3.46)	(\$0.97)	(\$0.25)	(\$0.03)		
Ownership (100%)						
Operating (100%)						
Total:	\$85.32	\$28.87	\$6.93	\$0.87	\$0.50	\$1.04

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	43%	\$47.30 / mo
Overhaul (ownership)	50%	\$55.00 / mo
CFC (ownership)	2%	\$2.20 / mo
Indirect (ownership)	6%	\$6.60 / mo
Fuel (operating)		Fuel cost data is not available for these rates.

Revised Date: 1st Half 2013

www.equipmentwatch.com

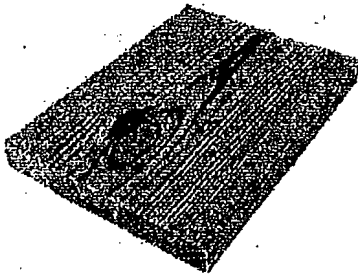
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Tool & Trunk Rental

2x12x10#2 Pressure-Treated Lumber



Model # 2620253 Store SKU # 256988

*** Write The First Review!

\$20.97 / EA-Each + Tax = \$22.70/EA

Store Only

Buy Online, Pick Up in Store Today
Check Store Inventory

PRODUCT DESCRIPTION

Every piece meets the highest grading standards for strength and appearance. This lumber is pressure treated with micronized copper azole in order to protect it from termites, fungal decay, and rot. Ideal for a variety of applications, including decks, play sets, landscaping, stair support, walkways and other outdoor projects where lumber is exposed to the elements. This lumber can be painted or stained. When used properly, it is both safe and environmentally friendly.

California residents: see Proposition 65 information

- Discover the Distinctive Difference You can see for yourself that this lumber is of the highest quality. Every piece meets the highest grading standards for strength and appearance.
- Use for decks, play structures, raised beds, planter boxes, retaining walls, walkways, outdoor furniture, landscaping and other outdoor projects where lumber is exposed to the elements.
- Effective against termites, rot and fungal decay.
- Lifetime limited residential warranty.
- Can be primed and painted or stained.
- Hot dipped galvanized or stainless steel hardware recommended.
- Safe and environmentally friendly.
- Note: Product may vary by store.
- MFG Model #: 2620253
- MFG Part #: 2620253

[Return To Top](#)

SPECIFICATIONS

Actual product thickness (in.)	1.6	Actual product width (in.)	11.25
Assembled Depth (in.)	2 in	Assembled Height (in.)	120 in
Assembled Width (in.)	12 in	Manufacturer Warranty	15 Year Lifetime Limited Warranty
Nominal Length	120 in	Nominal Product H x W (in.)	2x12
Nominal Product Height (in.)	2	Nominal Product Length (ft.)	10
Nominal Width	12 in	Nominal product width (in.)	12

JOB 475 - CMC REBAR

(D) Furnish following materials required for the Project in complete accordance with Titus County plans, standard specifications, special specifications, special provisions, interpretations, directions, and inspection:

ITEM	DESC	DESCRIPTION	APPROXIMATE		UNIT	EXTENSION
			QUANTITY	PRICE		
380	MISCELLANEOUS GRADE 60 REINFORCING STEEL FOR PAVING		LB	20,000	\$ 0.3815	\$ 7,230.00
440	MISCELLANEOUS GRADE 60 REINFORCING STEEL FOR STRUCTURES (BLACK)		LB	20,000	\$ 0.4010	\$ 8,020.00
TOTAL						\$ 22,897.50

1. All the materials to be furnished under this Purchase Order shall be in accordance with the applicable Standard Specification and the requirements of the project's General Notes and Special Provisions.
2. Prices are F.O.B. Job site.
3. Materials will be delivered when and in the quantities specified by the Buyer.
4. Manufacturer's certificates, samples, shop drawings or any other submittals required by the Titus County will be provided by the Seller at no additional cost to the Buyer.
5. Quantities shown are approximate and may vary to meet job conditions.
6. This Purchase Order is contingent on the approval of the Seller as a Supplier, the approval of applicable material drawings, manufacturer's certifications and any other administrative requirement of Titus County.
7. Prices are firm for shipments through June 30, 2013. Add \$2.00 per CWT for all shipments on or after July 1, 2013 and every six months thereafter.

PURCHASE ORDER AMENDMENT

SUPPLIER: CMC CONSTRUCTION SERVICES
 PURCHASE ORDER # 475-01
 PROJECT NO. 0248-09-001; TITUS CO. - US 271
 MODIFICATION: 1/24/12
 Change Order:

MODIFICATIONS					
ITEM	DESC	UM	QTY	UN \$	EXT \$
0360-0000	TYPE II CURE - TOTES	GAL	35,900	3.95	141,805.00
	NET CHANGE				141,805.00

The above listed revisions are agreed upon by both parties pursuant to the SUPPLIER'S quotation. No other terms or conditions of the PURCHASE ORDER, except as set forth above, shall be modified by this agreement.

Quantities shown are approximate and may vary to meet job conditions.

Materials will be delivered when and in the quantities specified by the Buyer.

Manufacturer's certificates, samples, shop drawings or any other submittals required by the Titus County will be provided by the Seller at no additional cost to the Buyer.

Material prices are F.O.B. Williams Brothers job site and are firm for the duration of the project.

The PURCHASE ORDER shall remain in full force and effect as originally signed except as stated above.

ACCEPTED BY:

EXECUTED BY:

 Signature

 Name

 Company

 Date

Seth Schulgen

 Seth Schulgen
 Estimator, Williams Brothers Construction
 Date: 1/24/12

JOB 476 - CMC CONSTRUCTION SERVICES

(D) Furnish following materials required for the Project in complete accordance with the Titus County plans, standard specifications, special specifications, special provisions, interpretations, directions, and inspection:

<u>ITEM</u>	<u>DESC</u>	<u>DESCRIPTION</u>	<u>UNIT</u>	<u>OPEN APPROXIMATE QUANTITY</u>	<u>UNIT PRICE MATERIAL</u>	<u>UNIT PRICE EXTENSION</u>
360	2070	4.5" Single Lock Composite Paving Chair for 10.5" CRCP	EA	225,000	\$ 0.165	\$ 37,125.00
TOTAL						\$ 45,302.60

1. All the materials to be furnished under this Purchase Order are subsidiary to the various Bid Items shown and shall be in accordance with the applicable Standard Specification and the requirements of the individual project General Notes and Special Provisions governing the reference item of work.
2. Quantities shown are approximate and may vary to meet job conditions.
3. Materials will be delivered when and in the quantities specified by the Buyer.
4. Manufacturer's certificates, samples, shop drawings or any other submittals required by Titus County will be provided by the Seller at no additional cost to the Buyer.
5. Material prices are F.O.B. Williams Brothers' jobsite and are firm thru December 31, 2013.
6. This Purchase Order is contingent on the approval of the Seller as a Supplier, the approval of applicable material drawings, manufacturer's certifications and any other administrative requirement of Titus County.

Seth Schulgen

From: Jesse Khangura
Sent: Friday, March 08, 2013 3:43 PM
To: Seth Schulgen; Inoher@gmail.com
Cc: Robert Nava
Subject: Job 476: US 271 North End CPCD/CRCP Connection Detail
Attachments: 20130307-US-271 CPCD-CRCP Detail.pdf

Inq:

Make sure the paving crew knows about this change:

Jesse Khangura
Vice President
Williams Brothers Construction Co., Inc.
jkhangura@wbctx.com
Office 713-622-9821
Fax 713-622-5958
Cell 832-308-4184

From: Rick Kronenberger [<mailto:rkronenberger@ptp.net>]
Sent: Thursday, March 07, 2013 9:04 AM
To: Jesse Khangura
Cc: Titus County
Subject: US 271 North End CPCD/CRCP Connection Detail

Jesse,

Please see the attached detail drawing for the connection of the proposed CRCP to the existing CPCD paving on the north end of the project. Please provide a pricing proposal for this type of non-doweled expansion joint.

Let me know if you have any questions.

Thanks,

Rick Kronenberger, PE
Assistant Director of Construction
PTP Transportation, LLC
1500 Research Forest Drive, Suite 200
The Woodlands, Texas 77381
936.521.1467 Direct
936.441.9121 Main
936.539.9176 Fax
832.217.6014 Cell
rkronenberger@ptp.net

Mailing Address:
P. O. Box 9389
The Woodlands, Texas 77387

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LEGEND

SEE STANDARD SECTION TYPICALS
 R/W MAP FORM 101 (10)
 BARBERS PT ROAD
 R/W (17' 5.57')
 CONC CURB AND GUTTER (17' 2")
 STREET APPROACH ROAD
 INT. BEAM ON FOR RT CAR
 INT. BEAM ON FOR TRANSPORTATION
 SEE
 WIDE CURB (17' 2")
 TRASH ENCLOSURE SECTION
 RETAINING WALL
 SEE STRIP (17')
 PROPOSED DIRECTION OF TRAFFIC
 NOT CONVEY

NOTES

1. SEE SHEET 1 OF 3 FOR SIDE OF CURB
 UNLESS OTHERWISE NOTED
 2. SEE UTILITY SUMMARY FOR DETAIL
 3. SEE UTILITY SUMMARY SHEETS FOR OTHER
 4. SEE APPROPRIATE HIGHWAY DETAILS
 5. SEE SHEET 2 OF 3

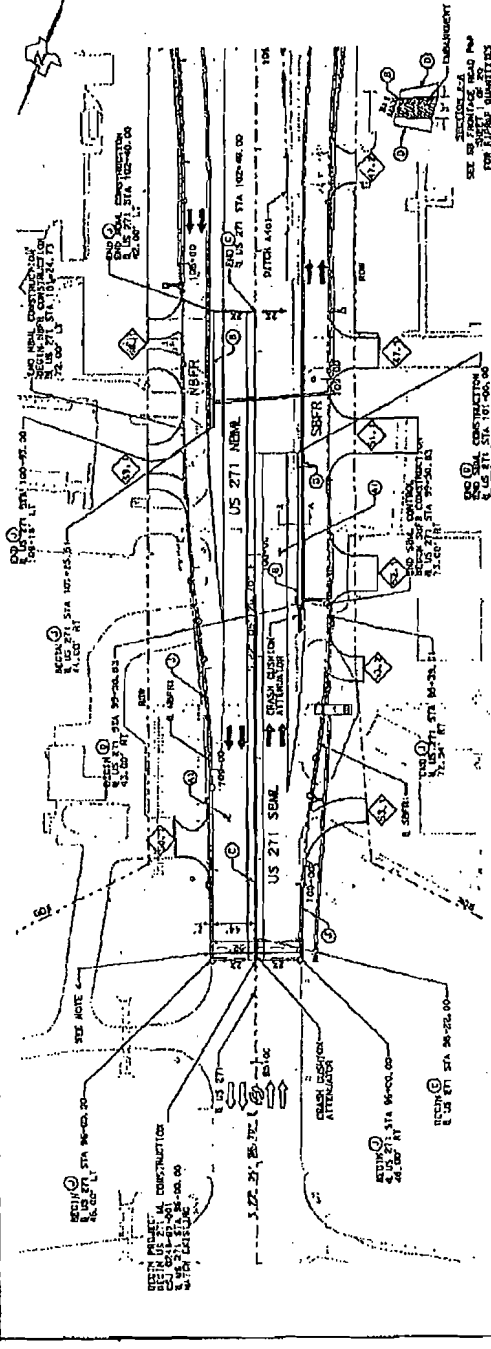
STATE OF TEXAS
 ROBERTO J. ZAMARRIPA
 92818
 LICENSED PROFESSIONAL ENGINEER

LJA Engineering, Inc. **LJA**
 Texas Department of Transportation

US 271
 ROADWAY
 MAINLANE R/W
 BEGIN TO
 STA 102+40

SHEET 1 OF 33

PROJECT NO.	0245	05	101-101	USBT1
SECTION	101-101	101-101	101-101	101-101
DATE	05/10/10	05/10/10	05/10/10	05/10/10
SCALE	AS SHOWN	AS SHOWN	AS SHOWN	AS SHOWN
DESIGNED BY	TEJ	TEJ	TEJ	TEJ
CHECKED BY	TEJ	TEJ	TEJ	TEJ
APPROVED BY	TEJ	TEJ	TEJ	TEJ



330	335	340	345	350	355	360	365	370	375	380	385	390	395	400	405	410	415	420	425	430	435	440	445	450	455	460	465	470	475	480	485	490	495	500	505	510	515	520	525	530	535	540	545	550	555	560	565	570	575	580	585	590	595	600	605	610	615	620	625	630	635	640	645	650	655	660	665	670	675	680	685	690	695	700	705	710	715	720	725	730	735	740	745	750	755	760	765	770	775	780	785	790	795	800	805	810	815	820	825	830	835	840	845	850	855	860	865	870	875	880	885	890	895	900	905	910	915	920	925	930	935	940	945	950	955	960	965	970	975	980	985	990	995	1000
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