

**Oklahoma Department of Transportation**  
**Change Order**

Contract ID	220207	Primary County	TULSA	Primary PCN	26308(04)			
Change Order Nbr	005	<b>Project</b>	STP-172N(455)IG					
Contract Description	GRADE, DRAIN, SURFACE, AND BRIDGE CITY STREET (23RD STREET): FROM HOUSTON STREET, EXTEND NORTH IN THE CITY OF BROKEN ARROW. PROJECT LENGTH = 1.064 MILES							
Change Order Type	CHANGE ORDER							
Zero Dollar Change Order	NO	Status	Draft					

**General Change Order Description(s):** This Change Order is required to compensate the contractor for additional work related to guardrail installation and the removal of a median street light on SH-51. This also corrects the quantities for the rebar on the Bridge A Approach Slabs and compensates the contractor for a change in plans to the sidewalk along 23rd St.

Prj Nbr	Itm Nbr	Catg	Item Code	Unit	Unit Price	Bid Qty	Prev. Apprvd Qty	Curr CO Qty	New Revised Qty	Amount of Change
26308(04)	0650	0200	511(B)2310	LB	\$1.67	380,739.00	380,739.00	29,016.00	409,755.00	
			<b>Item Description:</b>	EPOXY COATED REINFORCING STEEL					<b>This Change:</b>	\$48,456.72
			<b>Supplemental Description 1:</b>						<b>Prev Revised:</b>	\$635,834.13
			<b>Supplemental Description 2:</b>						<b>New Revised:</b>	\$684,290.85
									<b>Bid Contract:</b>	\$635,834.13
									<b>Net Change:</b>	\$48,456.72
									<b>PCT Change:</b>	7.62 %
			<b>Explanations:</b>	This item overrun is required to compensate the contractor for the additional Epoxy Rebar required to build the Approach Slabs on Bridge A. The plan quantities for this item were incorrectly calculated and needed to be corrected to include #9 rebar instead of #4 rebar as described in the rebar summary. The details and calculations can be found attached to this Change Order.						
26308(04)	1060	0301	802(B)0324	LF	\$32.15	70.00	70.00	150.00	220.00	
			<b>Item Description:</b>	2" PVC SCH.40 PLASTIC CONDUIT TRENCHED					<b>This Change:</b>	\$4,822.50
			<b>Supplemental Description 1:</b>						<b>Prev Revised:</b>	\$2,250.50
			<b>Supplemental Description 2:</b>						<b>New Revised:</b>	\$7,073.00
									<b>Bid Contract:</b>	\$2,250.50
									<b>Net Change:</b>	\$4,822.50
									<b>PCT Change:</b>	214.28 %
			<b>Explanations:</b>	This item overrun is required to compensate the contractor for the additional work associated with the median street light removal on SH-51. The street light was removed because it interfered with the Bridge A construction. Instead of resetting the street light at a different location, the City of Broken Arrow requested that the street light be removed entirely. This pay item is required to reconnect power to the adjacent street light since the previous street light removal broke the circuit.						
26308(04)	8010	0100	648(E)6610	LS	\$7,985.54	0.00	0.00	1.00	1.00	
			<b>Item Description:</b>	(PL) PEDESTRIAN PLATFORM					<b>This Change:</b>	\$7,985.54
			<b>Supplemental Description 1:</b>						<b>Prev Revised:</b>	\$0.00
			<b>Supplemental Description 2:</b>						<b>New Revised:</b>	\$7,985.54
									<b>Bid Contract:</b>	\$0.00
									<b>Net Change:</b>	\$7,985.54
									<b>PCT Change:</b>	100.00 %
			<b>Explanations:</b>	This item is required to compensate the contractor for the installation of a Pedestrian Platform to be placed within the pathway of the sidewalk on the west side of 23rd St. This change in plan was developed by the City of Broken Arrow due to a design error that restricted the						



Prj Nbr	Itm Nbr	Catg	Item Code	Unit	Unit Price	Bid Qty	Prev. Apprvd Qty	Curr CO Qty	New Revised Qty	Amount of Change		
<b>Explanations:</b>		This item is required to compensate the contractor for the installation of guardrail along SH-51. The existing guardrail interferes with the Bridge A construction and needs to be removed and replaced. This proposed unit price for this pay item matches the historic average for this pay item. Additional details of the location and quantities can be found attached to this Change Order.										
26308(04)	8029	0300	623(G)1820	EA	\$3,942.82	0.00	0.00	2.00	2.00			
	<b>Item Description:</b> GUARDRAIL END TREATMENT (31")											
	<b>Supplemental Description 1:</b>											
	<b>Supplemental Description 2:</b>											
	<b>Explanations:</b>		This item is required to compensate the contractor for the installation of guardrail along SH-51. The existing guardrail interferes with the Bridge A construction and needs to be removed and replaced. This proposed unit price for this pay item matches the historic average for this pay item. Additional details of the location and quantities can be found attached to this Change Order.									
26308(04)	8033	0300	802(B)0320	LF	\$69.85	0.00	0.00	70.00	70.00			
	<b>Item Description:</b> 2" PVC SCH.40 PLASTIC CONDUIT BORED											
	<b>Supplemental Description 1:</b>											
	<b>Supplemental Description 2:</b>											
	<b>Explanations:</b>		This item is required to compensate the contractor for the additional work associated with the median street light removal on SH-51. The street light was removed because it interfered with the Bridge A construction. Instead of resetting the street light at a different location, the City of Broken Arrow requested that the street light be removed entirely. This pay item is required to reconnect power to the adjacent street light since the previous street light removal broke the circuit.									
26308(04)	8034	0300	811 9115	LF	\$1.65	0.00	0.00	1,500.00	1,500.00			
	<b>Item Description:</b> 1/C NO.4 ELECT.COND.											
	<b>Supplemental Description 1:</b>											
	<b>Supplemental Description 2:</b>											
	<b>Explanations:</b>		This item is required to compensate the contractor for the additional work associated with the median street light removal on SH-51. The street light was removed because it interfered with the Bridge A construction. Instead of resetting the street light at a different location, the City of Broken Arrow requested that the street light be removed entirely. This pay item is required to reconnect power to the adjacent street light since the previous street light removal broke the circuit.									

**TOTAL VALUE FOR CHANGE ORDER 005 : \$108,783.92**

**Contract Time Adjustments**

No contract time adjustments are associated with this change order.

**Contract Time Adjustments**

Contract ID	220207	Primary County	TULSA	Primary PCN	26308(04)
Change Order Nbr	005	Project		STP-172N(455)IG	

**Prime Contractor's Section**

As the duly authorized representative of SHERWOOD CONSTRUCTION CO., INC., contractor for the above referenced project, I affirm that I have reviewed the above and foregoing prices, quantities and days for the changed or additional work, and I agree that the quantities and prices as are herein listed and the extension of time to perform the change or additional work as shown above will adequately compensate the contractor for the changed or additional work. I understand that the quantities as listed above are estimated and may be subject to revision upon audit of the project. I further understand that the change order/supplemental agreement fully compensates the contractor for the changed or additional work and is in lieu of cost accounting for the work actually performed or submission of a claim as provided by the standard specifications for highway construction and special provisions to the contract.



Signature

Chris D. Kinnaman

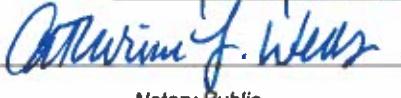
Name(Printed)

Vice-President

Company Title

Subscribed and sworn before me this 29th day of February year of 2024

My commission expires 1/24/2026



Notary Public



Commission Number

CATHERINE L WELLS  
Notary Public, State of Oklahoma  
Commission # 22001063  
My Commission Expires 01-24-2026

**Oklahoma Department of Transportation Section**

The prices for the additional items have been compared with other contract prices and are a fair amount for the work involved.  
Respectfully requested by:

P.E. Seal

Department Personnel

Approval Date

Signature

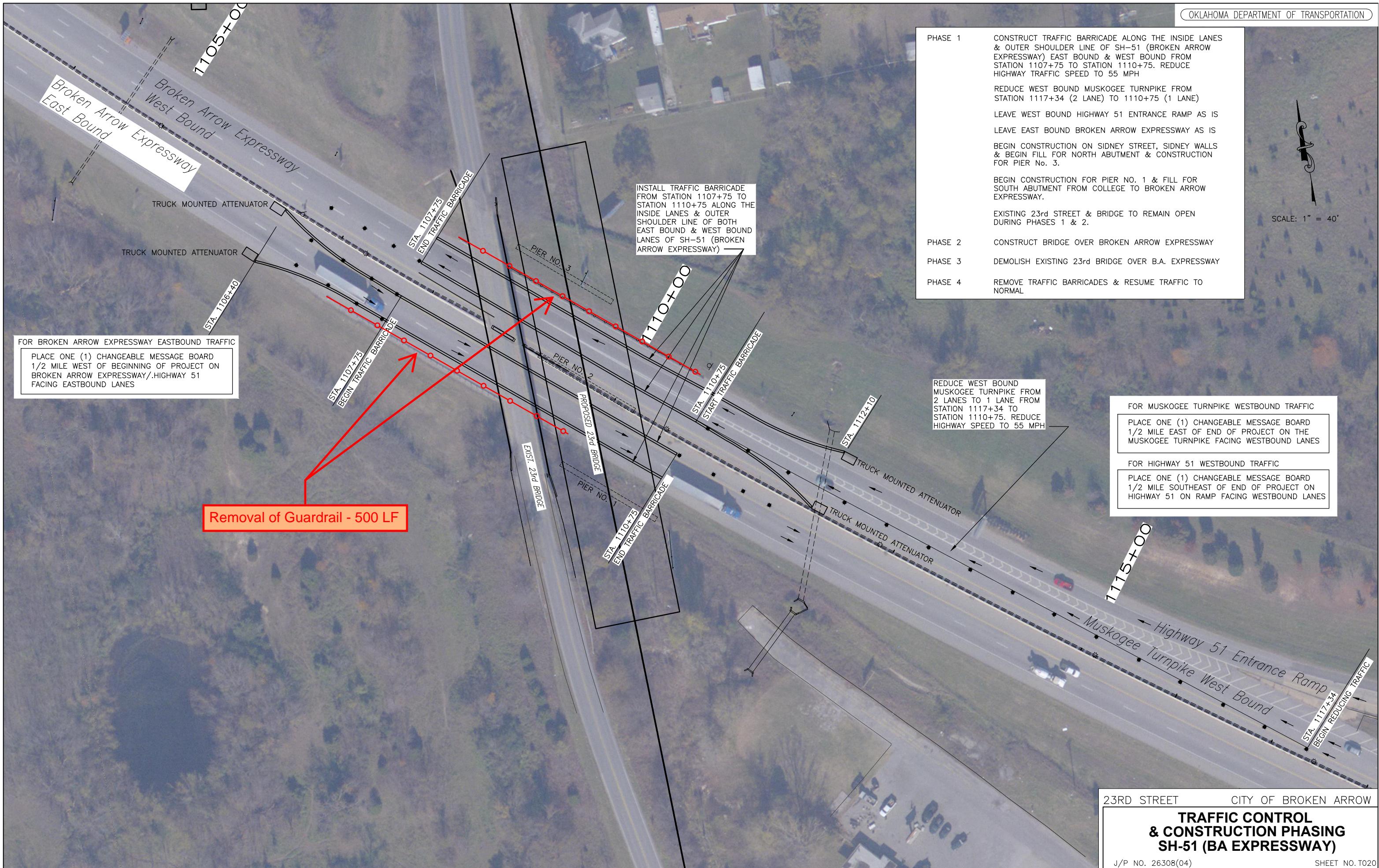
Contract ID	220207	Primary County	TULSA	Primary PCN	26308(04)
Change Order Nbr	005	<b>Project</b>		STP-172N(455)IG	

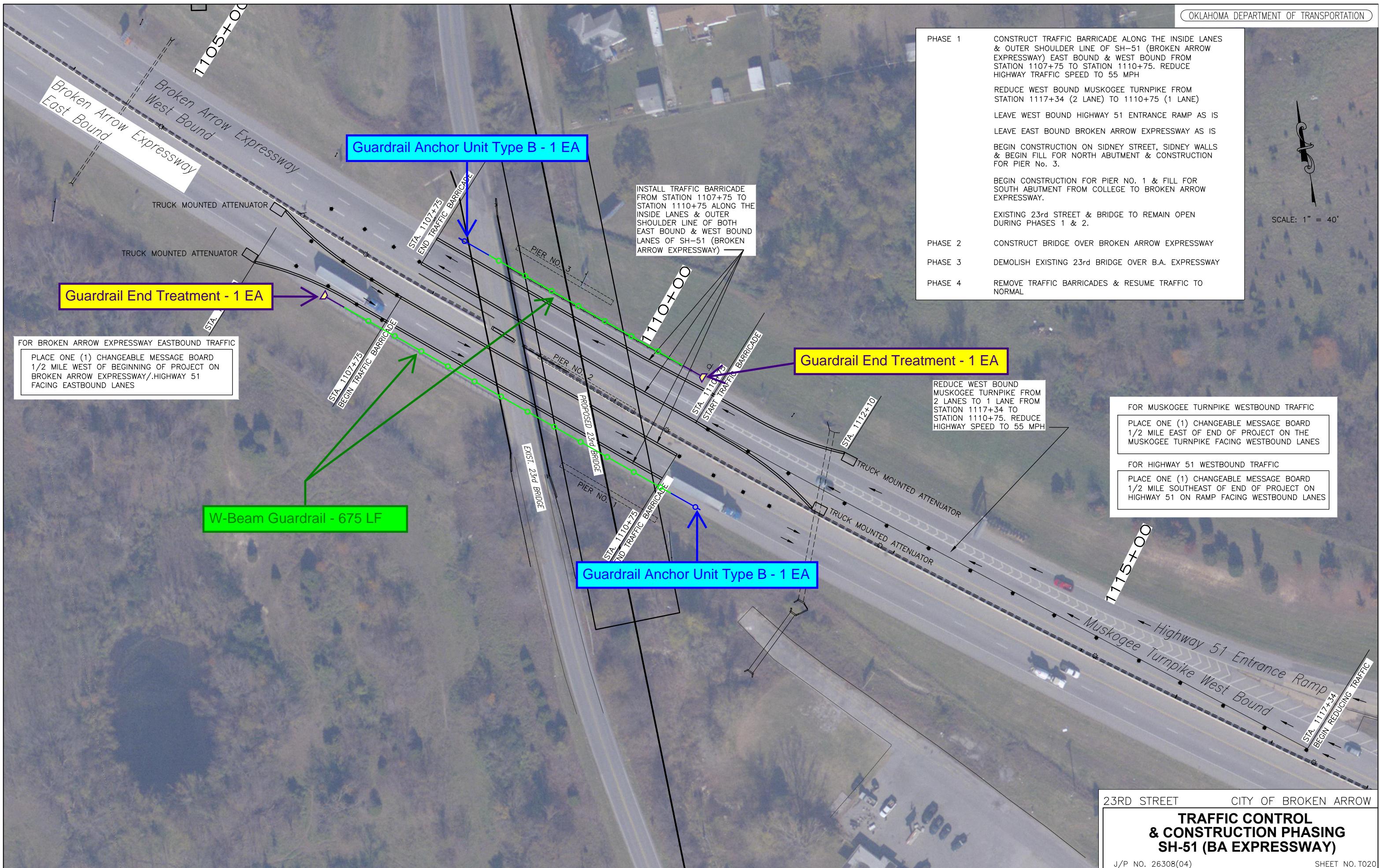
**Local Government Section**

I acknowledge the work indicated on this Change Order. I understand the final costs of this work will be reflected in the final cost apportionment.

*City/County Official*

*Date Acknowledged*





## Bobby Williams

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**From:** Chris Kinnaman <Chris.Kinnaman@sherwood.net>  
**Sent:** Saturday, January 6, 2024 7:32 AM  
**To:** Bobby Williams  
**Cc:** Jeremiah Karr; Todd Enlow; Dylan Ingram; Chris Vincent  
**Subject:** RE: (455)IG - SH-514 Guardrail

**Follow Up Flag:** Follow up  
**Flag Status:** Completed

Bobby,

Per our discussions, we will be removing and replacing the westbound guardrail in addition to the eastbound previously discussed in order to bring the rail to the current standards. Along with the previously submitted prices, we are requesting the addition of pay item:

**Guardrail End Treatment (31") 1 EA @ \$3,942.82 / EA.**

The requested unit price is the ODOT average awarded price.

-Chris  
918-345-0113

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**From:** Chris Kinnaman <Chris.Kinnaman@sherwood.net>  
**Sent:** Wednesday, December 13, 2023 4:51 PM  
**To:** Bobby Williams <BWilliams@Benchmarkokc.com>  
**Cc:** Jeremiah Karr <Jeremiah.Karr@sherwood.net>; Todd Enlow <todd.enlow@sherwood.net>; Dylan Ingram <Dylan.Ingram@sherwood.net>; Chris Vincent <cvincent@Benchmarkokc.com>  
**Subject:** Re: (455)IG - SH-514 Guardrail

That is correct.

-Chris Kinnaman  
918-345-0113

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**From:** Bobby Williams <[BWilliams@Benchmarkokc.com](mailto:BWilliams@Benchmarkokc.com)>  
**Sent:** Wednesday, December 13, 2023 4:18:53 PM  
**To:** Chris Kinnaman <[Chris.Kinnaman@sherwood.net](mailto:Chris.Kinnaman@sherwood.net)>  
**Cc:** Jeremiah Karr <[Jeremiah.Karr@sherwood.net](mailto:Jeremiah.Karr@sherwood.net)>; Todd Enlow <[todd.enlow@sherwood.net](mailto:todd.enlow@sherwood.net)>; Dylan Ingram <[Dylan.Ingram@sherwood.net](mailto:Dylan.Ingram@sherwood.net)>; Chris Vincent <[cvincent@Benchmarkokc.com](mailto:cvincent@Benchmarkokc.com)>  
**Subject:** RE: (455)IG - SH-514 Guardrail

**This Message originated outside your organization.**

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Chris,

I just looked on Google Earth to see exactly what the existing guardrail looks like.

Just so I'm clear, the plan is to leave the WB guardrail in place and extend the EB guardrail beyond Pier #1. Is that right?

--  
**Bobby Williams, P.E.**

*Principal Engineer*

**Mobile:** 405-226-4121

**Website:** [www.benchmarkokc.com](http://www.benchmarkokc.com)

**Address:** 3430 MacDonnell Dr., Norman, OK 73069



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**From:** Chris Kinnaman <[Chris.Kinnaman@sherwood.net](mailto:Chris.Kinnaman@sherwood.net)>

**Sent:** Tuesday, December 12, 2023 4:57 PM

**To:** Bobby Williams <[BWilliams@Benchmarkokc.com](mailto:BWilliams@Benchmarkokc.com)>

**Cc:** Jeremiah Karr <[Jeremiah.Karr@sherwood.net](mailto:Jeremiah.Karr@sherwood.net)>; Todd Enlow <[todd.enlow@sherwood.net](mailto:todd.enlow@sherwood.net)>; Dylan Ingram

<[Dylan.Ingram@sherwood.net](mailto:Dylan.Ingram@sherwood.net)>; Chris Vincent <[cvincent@Benchmarkokc.com](mailto:cvincent@Benchmarkokc.com)>

**Subject:** (455)IG - SH-514 Guardrail

Bobby,

For the added work of the guardrail along SH-51 to protect the pier, we propose utilizing the ODOT average awarded price for below items:

W-Beam Single Guardrail	175 LF	@	\$ 34.54	\$ 6,044.50
Guardrail Removal	25 LF	@	\$ 5.16	\$ 129.00
Guardrail Anchor Unit Type B	1 EA	@	\$2,106.51	\$ 2,106.51

Total	\$ 8,280.01
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Please review and let us know if you have any questions.

**Chris Kinnaman** *Vice President*



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[www.sherwoodcompanies.com](http://www.sherwoodcompanies.com)



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Weighted Average Item Price Report  
By Item, Region, and Quarter

Item	District	Quarter	Number of Occur's	Total Quantity	Total Dollars	Avg Awarded Price	Avg of Low 3 Bidders
<b>619(B)6396 / REMOVAL OF GUARDRAIL / LF</b>							
01	2022Q3	4	3,575.00	\$ 27,295.82	\$ 7.64	\$ 6.05	
	2022Q4	1	350.00	\$ 2,100.00	\$ 6.00	\$ 4.29	
	2023Q2	1	866.00	\$ 6,451.70	\$ 7.45	\$ 7.62	
	2023Q3	3	2,445.50	\$ 16,399.50	\$ 6.71	\$ 6.02	
02	2022Q3	2	1,060.00	\$ 10,183.00	\$ 9.61	\$ 8.23	
	2022Q4	2	4,648.00	\$ 8,674.40	\$ 1.87	\$ 2.54	
	2023Q1	2	1,000.00	\$ 3,089.00	\$ 3.09	\$ 3.56	
	2023Q2	2	1,629.00	\$ 18,961.55	\$ 11.64	\$ 9.26	
	2023Q3	2	827.00	\$ 7,746.50	\$ 9.37	\$ 6.66	
	2023Q4	1	659.00	\$ 3,295.00	\$ 5.00	\$ 5.33	
03	2022Q3	3	3,975.20	\$ 28,588.68	\$ 7.19	\$ 5.44	
	2022Q4	2	2,413.00	\$ 10,253.30	\$ 4.25	\$ 5.28	
	2023Q1	2	2,605.00	\$ 7,728.15	\$ 2.97	\$ 5.01	
	2023Q2	2	1,033.00	\$ 10,447.80	\$ 10.11	\$ 9.70	
	2023Q3	4	4,159.00	\$ 37,566.10	\$ 9.03	\$ 8.31	
	2023Q4	1	23.00	\$ 92.00	\$ 4.00	\$ 6.68	
04	2022Q2	1	652.00	\$ 1,695.20	\$ 2.60	\$ 5.03	
	2022Q3	5	7,453.00	\$ 38,315.23	\$ 5.14	\$ 5.37	
	2022Q4	4	6,260.00	\$ 46,967.51	\$ 7.50	\$ 6.57	
	2023Q1	5	10,934.00	\$ 48,182.90	\$ 4.41	\$ 4.80	
	2023Q2	4	48,706.00	\$ 141,201.10	\$ 2.90	\$ 6.76	
	2023Q3	2	1,170.00	\$ 10,432.50	\$ 8.92	\$ 7.90	
	2023Q4	1	500.00	\$ 3,000.00	\$ 6.00	\$ 7.47	
05	2022Q2	2	1,049.00	\$ 5,111.43	\$ 4.87	\$ 7.46	
	2022Q3	2	820.00	\$ 5,020.00	\$ 6.12	\$ 6.38	
	2022Q4	5	4,307.00	\$ 27,982.75	\$ 6.50	\$ 5.23	
	2023Q1	1	3,506.00	\$ 14,024.00	\$ 4.00	\$ 3.94	
	2023Q2	2	1,683.00	\$ 22,756.35	\$ 13.52	\$ 11.31	
	2023Q3	1	590.00	\$ 3,540.00	\$ 6.00	\$ 5.85	
	2023Q4	1	1,366.00	\$ 8,196.00	\$ 6.00	\$ 9.87	
06	2023Q2	1	1,789.00	\$ 9,750.05	\$ 5.45	\$ 5.45	
07	2022Q2	3	6,589.00	\$ 32,818.30	\$ 4.98	\$ 5.41	
	2022Q3	3	4,077.00	\$ 14,950.00	\$ 3.67	\$ 4.51	
	2022Q4	1	622.00	\$ 2,637.28	\$ 4.24	\$ 9.62	
	2023Q1	4	14,800.00	\$ 75,700.99	\$ 5.11	\$ 4.81	
	2023Q3	2	4,390.00	\$ 47,066.00	\$ 10.72	\$ 9.82	
	2023Q4	1	415.00	\$ 4,150.00	\$ 10.00	\$ 9.58	
08	2022Q2	2	942.00	\$ 8,036.00	\$ 8.53	\$ 7.14	
	2022Q3	3	8,902.00	\$ 39,892.00	\$ 4.48	\$ 6.25	
	2022Q4	2	2,708.00	\$ 16,996.48	\$ 6.28	\$ 5.49	
	2023Q1	7	6,184.80	\$ 30,168.00	\$ 4.88	\$ 4.95	
	2023Q2	4	5,629.00	\$ 30,366.40	\$ 5.39	\$ 5.81	
	2023Q3	5	17,089.00	\$ 77,070.00	\$ 4.51	\$ 4.17	
	2023Q4	3	4,663.00	\$ 62,539.00	\$ 13.41	\$ 8.40	
		111	199,063.50	\$ 1,027,437.97	\$ 5.16	\$ 6.03	

Weighted Average Item Price Report  
By Item, Region, and Quarter

Item	District	Quarter	Number of Occur's	Total Quantity	Total Dollars	Avg Awarded Price	Avg of Low 3 Bidders
<b>623(A)1210 / BEAM GUARDRAIL W-BEAM SINGLE / LF</b>							
	05	2023Q4	2	75.00	\$ 3,787.50	\$ 50.50	\$ 36.48
	08	2022Q2	1	550.00	\$ 18,067.50	\$ 32.85	\$ 28.49
		2023Q1	2	113.00	\$ 4,057.90	\$ 35.91	\$ 35.29
		2023Q2	1	250.00	\$ 8,212.50	\$ 32.85	\$ 31.28
			6	988.00	\$ 34,125.40	\$ 34.54	\$ 30.43
<b>623(C)1400 / BEAM GUARDRAIL THRIE-BEAM SINGLE / LF</b>							
	02	2023Q3	1	537.50	\$ 15,050.00	\$ 28.00	\$ 37.25
	04	2022Q2	2	212.50	\$ 16,125.00	\$ 75.88	\$ 81.88
			3	750.00	\$ 31,175.00	\$ 41.57	\$ 46.56
<b>623(D)1500 / BEAM GUARDRAIL THRIE-BEAM DOUBLE / LF</b>							
		2022Q2	1	100.00	\$ 10,000.00	\$ 100.00	\$ 109.00
			1	100.00	\$ 10,000.00	\$ 100.00	\$ 109.00
<b>623(E)1600 / BEAM GUARDRAIL TRANSITION SECTION / EA</b>							
		2022Q2	2	10.00	\$ 13,200.00	\$ 1,320.00	\$ 1,173.40
			2	10.00	\$ 13,200.00	\$ 1,320.00	\$ 1,173.40
<b>623(F)1700 / GUARDRAIL ANCHOR UNIT / EA</b>							
		2023Q1	2	9.00	\$ 29,430.00	\$ 3,270.00	\$ 3,313.50
			2	9.00	\$ 29,430.00	\$ 3,270.00	\$ 3,313.50
<b>623(F)1704 / GUARDRAIL ANCHOR UNIT (TYPE A) / EA</b>							
	01	2023Q1	1	4.00	\$ 6,712.00	\$ 1,678.00	\$ 2,853.50
		2023Q4	1	4.00	\$ 16,000.00	\$ 4,000.00	\$ 2,605.63
	02	2022Q2	1	3.00	\$ 6,900.00	\$ 2,300.00	\$ 2,188.33
		2022Q3	1	4.00	\$ 12,172.00	\$ 3,043.00	\$ 2,771.50
		2023Q4	1	8.00	\$ 30,800.00	\$ 3,850.00	\$ 3,725.00
	03	2022Q3	3	11.00	\$ 33,900.00	\$ 3,081.82	\$ 2,833.18
		2023Q2	1	2.00	\$ 7,700.00	\$ 3,850.00	\$ 3,550.00
		2023Q3	3	18.00	\$ 52,484.90	\$ 2,915.83	\$ 2,877.70
		2023Q4	1	4.00	\$ 10,000.00	\$ 2,500.00	\$ 3,000.00
	04	2023Q2	2	8.00	\$ 20,280.00	\$ 2,535.00	\$ 2,661.67
		2023Q4	1	4.00	\$ 13,000.00	\$ 3,250.00	\$ 3,183.33
	06	2022Q3	1	4.00	\$ 5,520.00	\$ 1,380.00	\$ 2,253.33
		2023Q1	1	2.00	\$ 11,350.00	\$ 5,675.00	\$ 5,675.00
		2023Q2	2	7.00	\$ 26,950.00	\$ 3,850.00	\$ 3,776.67
	07	2022Q3	1	2.00	\$ 6,400.00	\$ 3,200.00	\$ 3,324.25
		2023Q1	2	6.00	\$ 21,180.00	\$ 3,530.00	\$ 3,388.33
		2023Q2	2	16.00	\$ 27,600.00	\$ 1,725.00	\$ 2,220.29
			25	107.00	\$ 308,948.90	\$ 2,887.37	\$ 2,884.07

Weighted Average Item Price Report  
By Item, Region, and Quarter

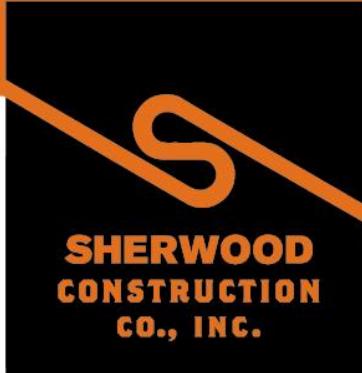
Item	District	Quarter	Number of Occur's	Total Quantity	Total Dollars	Avg Awarded Price	Avg of Low 3 Bidders
<b>623(F)1712 / GUARDRAIL ANCHOR UNIT (TYPE B) / EA</b>							
	02	2022Q2	1	1.00	\$ 2,500.00	\$ 2,500.00	\$ 1,686.67
	03	2023Q2	1	2.00	\$ 1,650.00	\$ 825.00	\$ 1,625.00
		2023Q4	1	4.00	\$ 10,000.00	\$ 2,500.00	\$ 2,783.33
	04	2022Q3	1	1.00	\$ 1,208.12	\$ 1,208.12	\$ 1,271.11
	07	2022Q3	1	2.00	\$ 6,400.00	\$ 3,200.00	\$ 2,458.00
		2023Q1	1	2.00	\$ 3,520.00	\$ 1,760.00	\$ 1,848.67
			<u>6</u>	12.00	\$ 25,278.12	<b>\$ 2,106.51</b>	\$ 2,172.01
<b>623(F)1716 / GUARDRAIL ANCHOR UNIT (TYPE B) / EA</b>							
	01	2023Q3	1	1.00	\$ 1,300.00	\$ 1,300.00	\$ 1,368.95
	08	2023Q1	<u>1</u>	4.00	\$ 5,500.00	\$ 1,375.00	\$ 1,375.00
			<u>2</u>	5.00	\$ 6,800.00	\$ 1,360.00	\$ 1,373.79
<b>623(F)1724 / GUARDRAIL ANCHOR UNIT (TYPE D-BF) / EA</b>							
	01	2022Q4	1	5.00	\$ 15,000.00	\$ 3,000.00	\$ 3,154.17
		2023Q1	2	8.00	\$ 20,252.00	\$ 2,531.50	\$ 2,718.83
		2023Q3	1	4.00	\$ 11,200.00	\$ 2,800.00	\$ 2,882.54
		2023Q4	1	4.00	\$ 16,000.00	\$ 4,000.00	\$ 3,238.17
	02	2022Q2	2	8.00	\$ 20,400.00	\$ 2,550.00	\$ 2,463.33
		2022Q3	1	4.00	\$ 12,172.00	\$ 3,043.00	\$ 3,121.50
		2022Q4	1	8.00	\$ 23,920.00	\$ 2,990.00	\$ 2,870.00
		2023Q4	1	8.00	\$ 30,800.00	\$ 3,850.00	\$ 3,675.00
	03	2022Q3	3	12.00	\$ 30,800.00	\$ 2,566.67	\$ 5,178.33
		2022Q4	1	4.00	\$ 11,200.00	\$ 2,800.00	\$ 2,958.67
		2023Q2	1	4.00	\$ 15,400.00	\$ 3,850.00	\$ 3,733.33
		2023Q3	2	8.00	\$ 28,600.00	\$ 3,575.00	\$ 3,561.14
		2023Q4	2	12.00	\$ 37,721.00	\$ 3,143.42	\$ 3,838.69
	04	2022Q3	1	4.00	\$ 8,000.00	\$ 2,000.00	\$ 2,433.33
		2023Q2	2	8.00	\$ 30,628.80	\$ 3,828.60	\$ 3,461.20
		2023Q4	1	4.00	\$ 13,000.00	\$ 3,250.00	\$ 3,183.33
	05	2022Q3	1	4.00	\$ 12,000.00	\$ 3,000.00	\$ 3,356.67
		2023Q4	2	2.00	\$ 7,530.00	\$ 3,765.00	\$ 3,626.25
	06	2022Q3	1	4.00	\$ 15,000.00	\$ 3,750.00	\$ 4,180.00
		2023Q2	2	8.00	\$ 30,800.00	\$ 3,850.00	\$ 3,686.67
	07	2022Q3	1	4.00	\$ 14,800.00	\$ 3,700.00	\$ 3,271.75
		2023Q1	2	8.00	\$ 17,900.00	\$ 2,237.50	\$ 2,359.50
		2023Q2	3	28.00	\$ 72,425.00	\$ 2,586.61	\$ 2,750.30
	08	2023Q1	3	14.00	\$ 44,240.00	\$ 3,160.00	\$ 3,140.40
		2023Q2	<u>1</u>	4.00	\$ 9,960.00	\$ 2,490.00	<b>\$ 3,463.33</b>
			<u>39</u>	181.00	\$ 549,748.80	\$ 3,037.29	\$ 3,281.21
<b>623(F)1744 / GUARDRAIL ANCHOR UNIT (TYPE I) / EA</b>							
	03	2023Q3	<u>1</u>	1.00	\$ 2,776.23	\$ 2,776.23	\$ 2,554.08
			<u>1</u>	1.00	\$ 2,776.23	\$ 2,776.23	\$ 2,554.08

Weighted Average Item Price Report  
By Item, Region, and Quarter

Item	District	Quarter	Number of Occur's	Total Quantity	Total Dollars	Avg Awarded Price	Avg of Low 3 Bidders
<b>623(G)1820 / GUARDRAIL END TREATMENT (31") / EA</b>							
01	2022Q2	1	4.00	\$ 19,200.00	\$ 4,800.00	\$ 4,498.33	
	2022Q3	2	12.00	\$ 50,545.60	\$ 4,212.13	\$ 4,069.05	
	2022Q4	1	8.00	\$ 37,200.00	\$ 4,650.00	\$ 4,048.67	
	2023Q2	1	4.00	\$ 17,884.44	\$ 4,471.11	\$ 4,670.37	
	2023Q3	4	13.00	\$ 48,123.38	\$ 3,701.80	\$ 4,053.68	
	2023Q4	1	5.00	\$ 23,000.00	\$ 4,600.00	\$ 4,450.41	
02	2022Q3	1	2.00	\$ 9,000.00	\$ 4,500.00	\$ 4,366.67	
	2022Q4	3	13.00	\$ 56,619.32	\$ 4,355.33	\$ 4,724.72	
	2023Q1	4	15.00	\$ 63,440.00	\$ 4,229.33	\$ 4,253.92	
	2023Q2	1	4.00	\$ 13,360.00	\$ 3,340.00	\$ 4,045.00	
	2023Q3	1	4.00	\$ 19,200.00	\$ 4,800.00	\$ 4,561.46	
	2023Q4	2	12.00	\$ 61,472.00	\$ 5,122.67	\$ 5,015.89	
03	2022Q3	3	13.00	\$ 41,575.00	\$ 3,198.08	\$ 3,677.39	
	2022Q4	1	4.00	\$ 17,040.00	\$ 4,260.00	\$ 4,799.42	
	2023Q1	3	14.00	\$ 52,280.92	\$ 3,734.35	\$ 4,060.64	
	2023Q2	2	28.00	\$ 107,380.00	\$ 3,835.00	\$ 3,670.00	
	2023Q3	2	7.00	\$ 25,368.51	\$ 3,624.07	\$ 4,185.93	
	2023Q4	2	8.00	\$ 28,560.00	\$ 3,570.00	\$ 3,662.17	
04	2022Q2	1	4.00	\$ 14,782.20	\$ 3,695.55	\$ 3,669.43	
	2022Q3	3	27.00	\$ 115,030.38	\$ 4,260.38	\$ 4,342.61	
	2022Q4	4	17.00	\$ 56,991.67	\$ 3,352.45	\$ 3,246.97	
	2023Q2	3	28.00	\$ 119,532.00	\$ 4,269.00	\$ 4,024.07	
	2023Q3	5	13.00	\$ 53,136.36	\$ 4,087.41	\$ 4,240.16	
	2023Q4	1	2.00	\$ 9,000.00	\$ 4,500.00	\$ 4,475.27	
05	2022Q3	2	8.00	\$ 26,300.00	\$ 3,287.50	\$ 3,441.17	
	2022Q4	4	20.00	\$ 77,620.00	\$ 3,881.00	\$ 3,695.45	
	2023Q1	1	7.00	\$ 31,150.00	\$ 4,450.00	\$ 4,138.25	
	2023Q3	2	5.00	\$ 18,899.54	\$ 3,779.91	\$ 4,130.73	
	2023Q4	1	9.00	\$ 36,000.00	\$ 4,000.00	\$ 3,801.00	
06	2022Q4	1	7.00	\$ 28,000.00	\$ 4,000.00	\$ 3,881.25	
	2023Q4	2	7.00	\$ 26,600.00	\$ 3,800.00	\$ 3,904.68	
07	2022Q2	2	8.00	\$ 38,983.28	\$ 4,872.91	\$ 4,845.10	
	2022Q3	2	8.00	\$ 32,500.00	\$ 4,062.50	\$ 4,327.46	
	2022Q4	1	8.00	\$ 27,136.00	\$ 3,392.00	\$ 3,296.00	
	2023Q1	4	41.00	\$ 118,090.00	\$ 2,880.24	\$ 3,628.59	
08	2022Q2	1	4.00	\$ 19,448.96	\$ 4,862.24	\$ 4,767.58	
	2022Q3	1	1.00	\$ 5,500.00	\$ 5,500.00	\$ 5,500.00	
	2022Q4	2	5.00	\$ 22,963.12	\$ 4,592.62	\$ 4,434.83	
	2023Q1	5	19.00	\$ 77,800.00	\$ 4,094.74	\$ 4,189.12	
	2023Q2	6	28.00	\$ 103,829.52	\$ 3,708.20	\$ 3,932.88	
	2023Q3	3	17.00	\$ 77,216.60	\$ 4,542.15	\$ 4,375.36	
	2023Q4	4	14.00	\$ 52,967.00	\$ 3,783.36	\$ 4,117.07	
		96	477.00	\$ 1,880,725.80	\$ 3,942.82	\$ 4,059.41	

**623(H)1910 / GUARDRAIL BLOCKOUT REPLACEMENT / LF**

04	2023Q2	1	1,200.00	\$ 4,200.00	\$ 3.50	\$ 8.67
		1	1,200.00	\$ 4,200.00	\$ 3.50	\$ 8.67



TEL 918 266 6861 FAX 918 266 6482  
MAIL 1640 S 101ST EAST AVENUE ▷ TULSA OKLAHOMA ▷ 74128



December 22, 2023

Benchmark Construction Services

Attn: Bobby Williams  
8636 S. Peoria Ave.  
Tulsa, OK 74132

RE: STP-172N(455)IG  
JP 26308(04)  
23<sup>rd</sup> Street from Houston to Kenosha Over SH-51  
SH-51 Median Lighting Repair

Dear Mr. Williams,

During the progress meeting held on July 25<sup>th</sup>, 2023, we notified your team of a conflict with an existing light pole in the median of SH-5. The existing pole conflicted with the construction of the new center pier for Bridge A, 23<sup>rd</sup> over SH-51. After discussions and considerations with your team, ODOT, and the City of Broken Arrow, it has been determined the pole does not need to be relocated.

Although the pole will not be relocated, electrical conduit and wire must be reconstructed to avoid conflicts with the bridge substructure. Below are requested items and quantities to facilitate the reconstruction of the electrical components. Following this letter are cost breakdowns for the new items.

<u>Item No.</u>	<u>Description</u>	<u>Units</u>	<u>UOM</u>	<u>Unit Price</u>	<u>Amount</u>
1060	2" PVC SCH.40 PLASTIC CONDUIT TRENCHED	150.00	LF	\$ 32.15	\$ 4,822.50
New	2" PVC SCH.40 PLASTIC CONDUIT BORED	70.00	LF	\$ 69.85	\$ 4,889.50
New	Pull Box	1.00	EA	\$ 2,161.50	\$ 2,161.50
New	1/C NO.4 ELECT.COND.	1,500.00	LF	\$ 1.65	\$ 2,475.00

Please feel free to contact me if you have any questions regarding this request.

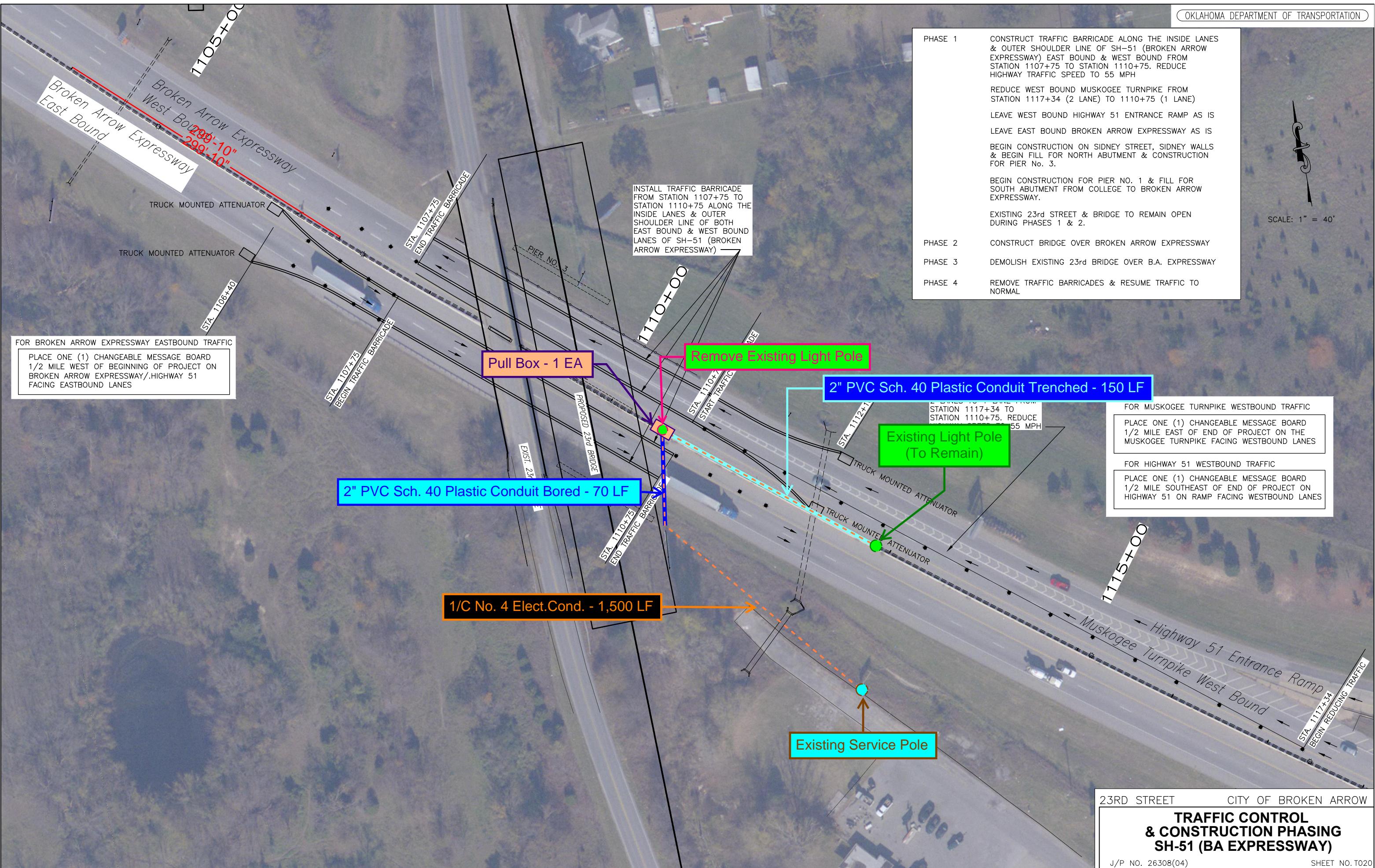
Sincerely,  
SHERWOOD CONSTRUCTION COMPANY, INC.

Chris Kinnaman  
Vice President



VISIT US ONLINE [www.sherwoodcompanies.com](http://www.sherwoodcompanies.com)

SHERWOOD OFFICES ➞ TULSA, OK OKLAHOMA CITY, OK WICHITA, KS | AN EQUAL OPPORTUNITY EMPLOYER



Contract ID 220207

## Oklahoma Department of Transportation

Cost Breakdown For Differing Site Conditions, Changes & Extra Work

Project No. STP-172N(455)IG Date 12/22/2023

County Tulsa/Wagoner Contractor Sherwood Construction Co., Inc.

Description of Work 2" PVC SCH.40 PLASTIC CONDUIT BORED (SH-51 Median)

1. <b>Labor Total</b> (Refer to Attachment A)		\$	-
a) Labor Overhead and Profit	25%	%	\$ -
2. <b>Material Total</b> (Refer to Attachment B)		\$	-
a) Material Overhead & Profit	20%	%	\$ -
3. <b>Equipment Total</b> (Refer to Attachment C)		\$	-
a) Equipment Additional Administrative Costs & Profit	20%	%	\$ -
4. a) <b>Bonds</b>	1%	%	\$ -
b) <b>Property Damages &amp; Liability Insurance</b>	\$ 104.76	Rate/\$1,000 of Payroll	\$ -
c) <b>Workers Compensation</b>	\$ 10.22	Rate/\$100 of Payroll	\$ -
d) <b>Unemployment Insurance Contribution</b>	3.8%	%	\$ -
e) <b>Social Security Taxes</b>	7.65%	%	\$ -
f) <b>Employee Fringe Benefits</b>	20%	%	\$ -
5. <b>Subcontracted Work Total</b>		\$	4,445.00
a) Prime Contractor Overhead on Subcontracted Work	10%	%	\$ 444.50
6. <b>Work of a Non-Highway Construction Nature</b>		\$	-
a) Prime Contractor Overhead on Subcontracted Work	10%	%	\$ -
7. <b>Total Cost of Work</b>		\$	4,889.50
a) Unit Price \$ 69.85	Quantity 70.00	Units LF	



Contract ID :

220207

**Cost Breakdown For Differing Site Conditions, Changes & Extra Work**

Project No. : STP-172N(455)IG, 26308(04)

Date

December 18, 2023

County: Tulsa &amp; Wagoner Contractor : TLS Group, Inc.

Description of Work : 2" PVC SCH.40 PLASTIC CONDUIT BORED

1	Labor Total (Refer to Attachment A)			\$950.00
	a) Labor Overhead & Profit	%	25.00%	\$237.50
2	Material Total (Refer to Attachment B)			\$109.79
	a) Material Overhead & Profit	%	20.00%	\$21.96
3	Equipment Total (Refer to Attachment C)			\$2,277.70
	a) Equipment Additional Administrative Costs & Profit	%	20.00%	\$455.54
4	a) Bonds	%	1.00%	\$12.04
	b) Property Damage & Liability Insurance	%	2.01%	\$19.10
	c) Workers Compensation	Rate/\$100 of Payroll	6.59%	\$62.61
	d) Unemployment Insurance Contribution	%	3.80%	\$36.10
	e) Social Security Taxes	%	7.65%	\$72.68
	f) Employee Fringe Benefits	%	20.00%	\$190.00
	4. SECTION TOTAL			\$392.52
5	Subcontracted Work Total			\$0.00
	a) Prime Contractor Overhead on Subcontracted Work	%	10.00%	\$0.00
6	Work of a Non-Highway Construction Nature			
	a) Prime Contractor Overhead on Subcontracted Work	%	10.00%	\$0.00
7	Total Cost of Work			\$4,445.00
	a) Unit Price	\$63.50	Quantity	70.00
			Units	LF
				\$4,445.00

## Attachment A - Labor Total

Contract: 220207

Description: 2" PVC SCH.40 PLASTIC CONDUIT BORED

**Attachment B - Material Total**

Contract: 220207

Description: 2" PVC SCH.40 PLASTIC CONDUIT BORED

### **Attachment C - Equipment Total**

Contract: 220207

**Description:** 2" PVC SCH.40 PLASTIC CONDUIT BORED

## Adjustments for JT20 Bore machine 2023Rate in 2022 TLS EQ rates

August 21, 2023

**Ditch Witch JT20**

Horizontal Directional Drills

Size Class:

**15,001 - 20,000 lbs**

Weight:

N/A



### Configuration for JT20

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 \$17,395.00	USD \$4,870.00	USD \$1,220.00	USD \$185.00		
<b>Adjustments</b>						
Region ( Oklahoma: 97.5%)	(USD \$434.88)	(USD \$121.75)	(USD \$30.50)	(USD \$4.63)		
Model Year (2023: 100%)	-	-	-	-		
Adjusted Hourly Ownership Cost (72%)	(USD \$4,748.83)	(USD \$1,329.51)	(USD \$333.06)	(USD \$50.51)		
Hourly Operating Cost (57.9999999999999%)					(USD \$25.16)	
<b>Total:</b>	<b>USD \$12,211.29</b>	<b>USD \$3,418.74</b>	<b>USD \$856.44</b>	<b>USD \$129.87</b>	<b>USD \$34.75</b>	<b>USD \$104.13</b>

#### Non-Active Use Rates

	Hourly
Standby Rate	USD \$47.87
Idling Rate	USD \$69.38

#### Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	35%	USD \$6,088.25/mo
Overhaul (ownership)	32%	USD \$5,566.40/mo
CFC (ownership)	15%	USD \$2,609.25/mo
Indirect (ownership)	19%	USD \$3,305.05/mo

Fuel cost data is not available for these rates.

Revised Date: 3rd 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 Justin Mudge (jmudge@tlsokc.com)

## Adjustments for Ford F250 Foreman truck in 2022 TLS EQ rates

September 26, 2023

**Ford F-250**

On-Highway Light Duty Trucks

Size Class:

**300 hp & Over**

Weight:

N/A



### Configuration for F-250

Axle Configuration	<b>4.0 X 4.0</b>	Cab Type		
Horsepower	<b>385.0 hp</b>	Power Mode		
Ton Rating	<b>3.0 / 4.0</b>		<b>Crew</b>	<b>Gasoline</b>

### 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	USD \$985.00	USD \$275.00	USD \$69.00	USD \$10.00		
<b>Adjustments</b>						
Region ( Oklahoma: 97.2%)	(USD \$27.58)	(USD \$7.70)	(USD \$1.93)	(USD \$0.28)		
Model Year (2023: 100%)	-	-	-	-		
Adjusted Hourly Ownership Cost (160%)	USD \$574.45	USD \$160.38	USD \$40.24	USD \$5.83		
Hourly Operating Cost (60%)					(USD \$12.26)	
<b>Total:</b>	<b>USD \$1,531.87</b>	<b>USD \$427.68</b>	<b>USD \$107.31</b>	<b>USD \$15.55</b>	<b>USD \$18.38</b>	<b>USD \$27.09</b>

### Non-Active Use Rates

Standby Rate		Hourly	USD \$6.70
Idling Rate			USD \$24.23

### Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	56%	USD \$551.60/mo
Overhaul (ownership)	23%	USD \$226.55/mo
CFC (ownership)	9%	USD \$88.65/mo
Indirect (ownership)	12%	USD \$118.20/mo
Fuel (operating) @ USD 3.54	84.43%	USD \$25.87/hr

Revised Date: 3rd quarter 2023

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The equipment represented in this report has been exclusively prepared for Justin Mudge (jmudge@tlsokc.com)

## Adjustments for F350 Utility Crew truck in 2022 TLS EQ rates

October 4, 2023

### Ford F-350 4X4 DIESEL (disc. 1994)

Light Duty Trucks

Size Class:

2

Weight:

N/A



### Configuration for F-350 4X4 DIESEL (disc. 1994)

Power Mode	<b>Diesel</b>	Wheelbase	<b>133 Inches</b>
Gross Vehicle Weight Rating	<b>9000 Pounds</b>		

### 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	USD \$1,605.00	USD \$450.00	USD \$115.00	USD \$17.00		
<b>Adjustments</b>						
Region ( Oklahoma: 95.6%)	(USD \$70.62)	(USD \$19.80)	(USD \$5.06)	(USD \$0.75)		
Model Year (1994: 100%)	-	-	-	-		
Adjusted Hourly Ownership Cost (147%)	USD \$721.16	USD \$202.19	USD \$51.67	USD \$7.64		
Hourly Operating Cost (100%)						
<b>Total:</b>	<b>USD \$2,255.54</b>	<b>USD \$632.39</b>	<b>USD \$161.61</b>	<b>USD \$23.89</b>	<b>USD \$22.71</b>	<b>USD \$35.53</b>

### Non-Active Use Rates

Standby Rate	Hourly
Idling Rate	USD \$7.05

### Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	23%	USD \$369.15/mo
Overhaul (ownership)	45%	USD \$722.25/mo
CFC (ownership)	16%	USD \$256.80/mo
Indirect (ownership)	16%	USD \$256.80/mo
Fuel (operating) @ USD 4.39	65.39%	USD \$14.85/hr

Revised Date: 4th 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 Justin Mudge (jmudge@tlsokc.com)

## Adjustments for John Deere 17G Excavator (Bore Crew) in 2022 TLS EQ rates

August 12, 2022

**Deere 17G**

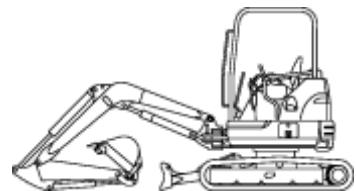
Crawler Mounted Compact Excavators

Size Class:

**1.1 - 2.0 MTons**

Weight:

N/A



### Configuration for 17G

Operating Weight  
Power Mode

**3790 lbs**  
**Diesel**

Operator Protection

**ROPS/FOPS**

### 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 \$2,660.00	USD \$745.00	USD \$185.00	USD \$28.00		
<b>Adjustments</b>						
Region ( Oklahoma: 95%)	(USD \$133.00)	(USD \$37.25)	(USD \$9.25)	(USD \$1.40)		
Model Year (2019: 99.9%)	(USD \$2.58)	(USD \$0.72)	(USD \$0.18)	(USD \$0.03)		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)						
<b>Total:</b>	<b>USD \$2,524.42</b>	<b>USD \$707.03</b>	<b>USD \$175.57</b>	<b>USD \$26.57</b>	<b>USD \$13.26</b>	<b>USD \$27.60</b>

### Non-Active Use Rates

Standby Rate

Hourly

Idling Rate

USD \$7.17

USD \$18.14

### Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	31%	USD \$824.60/mo
Overhaul (ownership)	42%	USD \$1,117.20/mo
CFC (ownership)	7%	USD \$186.20/mo
Indirect (ownership)	20%	USD \$532.00/mo
Fuel (operating) @ USD 5.70	29%	USD \$3.80/hr

Revised Date: 3rd quarter 2022

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

The equipment represented in this report has been exclusively prepared for JUSTIN MUDGE  
(jmudge@tlsokc.com)

## Adjustments for PolyPipe Trailer in 2022 TLS EQ rates

August 21, 2023

**Miscellaneous 2 AXLE 4 TIRE 20'**

Lowboy Trailers

Size Class:

All

Weight:

N/A


**Configuration for 2 AXLE 4 TIRE 20'**

Power Mode

**Manual**
**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 \$4,955.00	USD \$1,390.00	USD \$350.00	USD \$53.00		
<b>Adjustments</b>						
Region ( Oklahoma: 98.8%)	(USD \$59.46)	(USD \$16.68)	(USD \$4.20)	(USD \$0.64)		
Model Year (2010: 96.7%)	(USD \$161.55)	(USD \$45.32)	(USD \$11.41)	(USD \$1.73)		
Adjusted Hourly Ownership Cost (31%)	(USD \$3,266.45)	(USD \$916.32)	(USD \$230.73)	(USD \$34.94)		
Hourly Operating Cost (33%)					(USD \$5.02)	
<b>Total:</b>	<b>USD \$1,467.54</b>	<b>USD \$411.68</b>	<b>USD \$103.66</b>	<b>USD \$15.70</b>	<b>USD \$2.47</b>	<b>USD \$10.81</b>

**Non-Active Use Rates**

Standby Rate

Hourly

USD \$6.84

Idling Rate

USD \$8.34

**Rate Element Allocation**

Element	Percentage	Value
Depreciation (ownership)	65%	USD \$3,220.75/mo
Overhaul (ownership)	18%	USD \$891.90/mo
CFC (ownership)	10%	USD \$495.50/mo
Indirect (ownership)	7%	USD \$346.85/mo

Fuel cost data is not available for these rates.

Revised Date: 3rd 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 Justin Mudge (jmudge@tlsokc.com)

## Adjustments for Trailer Bumper Pull Equipment 14k in 2022 TLS EQ rates

April 27, 2023

**Miscellaneous TOW 2 2 20**

Non-Tilt Deck Utility Trailers

Size Class:

All

Weight:

N/A



### Configuration for TOW 2 2 20

Capacity	<b>20.0 t</b>	Hitch Type	
Number Of Axles	<b>2.0</b>	Number Of Tires	
Power Mode	<b>Manual</b>		

**Tow  
8.0**
**Blue Book Rates**

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

	Ownership Costs				Estimated Operating Costs Hourly	FHWA Rate** Hourly
	Monthly	Weekly	Daily	Hourly		
Published Rates	USD \$545.00	USD \$155.00	USD \$39.00	USD \$6.00		
<b>Adjustments</b>						
Region ( Oklahoma: 95.8%)	(USD \$22.89)	(USD \$6.51)	(USD \$1.64)	(USD \$0.25)		
Model Year (2022: 99.85%)	(USD \$0.80)	(USD \$0.23)	(USD \$0.06)	(USD \$0.01)		
Adjusted Hourly Ownership Cost (139%)	USD \$203.31	USD \$57.82	USD \$14.55	USD \$2.24		
Hourly Operating Cost (138%)					USD \$0.89	
<b>Total:</b>	<b>USD \$724.62</b>	<b>USD \$206.08</b>	<b>USD \$51.85</b>	<b>USD \$7.98</b>	<b>USD \$3.23</b>	<b>USD \$7.35</b>

**Non-Active Use Rates**

Standby Rate		Hourly	USD \$2.88
Idling Rate			USD \$4.12

**Rate Element Allocation**

Element	Percentage	Value
Depreciation (ownership)	46%	USD \$250.70/mo
Overhaul (ownership)	30%	USD \$163.50/mo
CFC (ownership)	11%	USD \$59.95/mo
Indirect (ownership)	13%	USD \$70.85/mo

Fuel cost data is not available for these rates.

Revised Date: 2nd quarter 2023

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The equipment represented in this report has been exclusively prepared for JUSTIN MUDGE  
(jmudge@tlsokc.com)

## Adjustments for Trailer Gooseneck 35ft in 2022 TLS EQ rates

April 27, 2023

**Miscellaneous LEVEL 2 22.5**  
Fixed Gooseneck Equipment Trailers

Size Class:

All

Weight:

8900 lbs


**Configuration for LEVEL 2 22.5**

Capacity	<b>22.5 t</b>	Deck Length	<b>14' - 18'</b>
Deck Type	<b>Level</b>	Number Of Axles	<b>2.0</b>
Power Mode	<b>Manual</b>		

**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 \$1,060.00	USD \$295.00	USD \$74.00	USD \$11.00		
<b>Adjustments</b>						
Region ( Oklahoma: 96.19%)	(USD \$41.34)	(USD \$11.51)	(USD \$2.89)	(USD \$0.43)		
Model Year (2020: 99.53%)	(USD \$4.81)	(USD \$1.34)	(USD \$0.34)	(USD \$0.05)		
Adjusted Hourly Ownership Cost (153%)	USD \$537.34	USD \$149.54	USD \$37.51	USD \$5.58		
Hourly Operating Cost (150%)					USD \$2.15	
<b>Total:</b>	<b>USD \$1,551.19</b>	<b>USD \$431.70</b>	<b>USD \$108.29</b>	<b>USD \$16.10</b>	<b>USD \$6.45</b>	<b>USD \$15.26</b>

**Non-Active Use Rates**

Standby Rate	Hourly	USD \$6.35
Idling Rate		USD \$8.81

**Rate Element Allocation**

Element	Percentage	Value
Depreciation (ownership)	44%	USD \$466.40/mo
Overhaul (ownership)	28%	USD \$296.80/mo
CFC (ownership)	11%	USD \$116.60/mo
Indirect (ownership)	17%	USD \$180.20/mo

Fuel cost data is not available for these rates.

Revised Date: 2nd quarter 2023

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(jmudge@tlsokc.com)

## Adjustments for Yanmar Mini Ex Vio-35-6 in 2022 TLS EQ rates

June 14, 2023

**Yanmar VIO35-6**

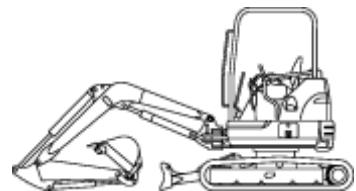
Crawler Mounted Compact Excavators

Size Class:

3.5 - 4.4 mt

Weight:

N/A



### Configuration for VIO35-6

Horsepower	<b>24.4 hp</b>
Operator Protection	<b>ROPS</b>

Operating Weight	<b>0.0 lbs</b>
Power Mode	<b>Diesel</b>

### Blue Book Rates

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

	Ownership Costs				Estimated Operating Costs Hourly	FHWA Rate** Hourly
	Monthly	Weekly	Daily	Hourly		
Published Rates	USD \$5,075.00	USD \$1,420.00	USD \$355.00	USD \$53.00		
<b>Adjustments</b>						
Region ( Oklahoma: 96.4%)	(USD \$182.70)	(USD \$51.12)	(USD \$12.78)	(USD \$1.91)		
Model Year (2019: 99.9%)	(USD \$5.05)	(USD \$1.41)	(USD \$0.35)	(USD \$0.05)		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)						
<b>Total:</b>	<b>USD \$4,887.25</b>	<b>USD \$1,367.47</b>	<b>USD \$341.87</b>	<b>USD \$51.04</b>	<b>USD \$19.48</b>	<b>USD \$47.25</b>

### Non-Active Use Rates

Standby Rate

Hourly

USD \$13.88

Idling Rate

USD \$31.60

### Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	22%	USD \$1,116.50/mo
Overhaul (ownership)	41%	USD \$2,080.75/mo
CFC (ownership)	18%	USD \$913.50/mo
Indirect (ownership)	19%	USD \$964.25/mo
Fuel (operating) @ USD 4.25	20%	USD \$3.83/hr

Revised Date: 2nd quarter 2023

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Contract ID 220207

## Oklahoma Department of Transportation

Cost Breakdown For Differing Site Conditions, Changes & Extra Work

Project No. STP-172N(455)IG Date 12/22/2023

County Tulsa/Wagoner Contractor Sherwood Construction Co., Inc.

Description of Work Pull Box (SH-51 Median)

1. <b>Labor Total</b> (Refer to Attachment A)		\$	-
a) Labor Overhead and Profit	25%	%	\$ -
2. <b>Material Total</b> (Refer to Attachment B)		\$	-
a) Material Overhead & Profit	20%	%	\$ -
3. <b>Equipment Total</b> (Refer to Attachment C)		\$	-
a) Equipment Additional Administrative Costs & Profit	20%	%	\$ -
4. a) <b>Bonds</b>	1%	%	\$ -
b) <b>Property Damages &amp; Liability Insurance</b>	\$ 104.76	Rate/\$1,000 of Payroll	\$ -
c) <b>Workers Compensation</b>	\$ 10.22	Rate/\$100 of Payroll	\$ -
d) <b>Unemployment Insurance Contribution</b>	3.8%	%	\$ -
e) <b>Social Security Taxes</b>	7.65%	%	\$ -
f) <b>Employee Fringe Benefits</b>	20%	%	\$ -
5. <b>Subcontracted Work Total</b>		\$	1,965.00
a) Prime Contractor Overhead on Subcontracted Work	10%	%	\$ 196.50
6. <b>Work of a Non-Highway Construction Nature</b>		\$	-
a) Prime Contractor Overhead on Subcontracted Work	10%	%	\$ -
7. <b>Total Cost of Work</b>		\$	2,161.50
a) Unit Price \$ 2,161.50	Quantity	1.00 Units EA	



Contract ID :

220207

**Cost Breakdown For Differing Site Conditions, Changes & Extra Work**

Project No. : STP-172N(455)IG, 26308(04)

Date

December 18, 2023

County: Tulsa &amp; Wagoner

Contractor : TLS Group, Inc

Description of Work : PULL BOX

1	Labor Total (Refer to Attachment A)			\$480.00
	a) Labor Overhead & Profit	%	25.00%	\$120.00
2	Material Total (Refer to Attachment B)			\$734.01
	a) Material Overhead & Profit	%	20.00%	\$146.80
3	Equipment Total (Refer to Attachment C)			\$234.40
	a) Equipment Additional Administrative Costs & Profit	%	20.00%	\$46.88
4	a) Bonds	%	1.00%	\$10.66
	b) Property Damage & Liability Insurance	%	2.01%	\$9.65
	c) Workers Compensation	Rate/\$100 of Payroll	6.59%	\$31.63
	d) Unemployment Insurance Contribution	%	3.80%	\$18.24
	e) Social Security Taxes	%	7.65%	\$36.72
	f) Employee Fringe Benefits	%	20.00%	\$96.00
	4. SECTION TOTAL			\$202.90
5	Subcontracted Work Total			\$0.00
	a) Prime Contractor Overhead on Subcontracted Work	%	10.00%	\$0.00
6	Work of a Non-Highway Construction Nature			
	a) Prime Contractor Overhead on Subcontracted Work	%	10.00%	\$0.00
7	Total Cost of Work			\$1,965.00
	a) Unit Price	\$1,965.00	Quantity	1.00
			Units	EA
				\$1,965.00

## Attachment A - Labor Total

Contract: 220207

Description: PULL BOX

**Attachment B - Material Total**

Contract: 220207

Description: PULL BOX

## Attachment C - Equipment Total

Contract: 220207

**Description:** PULL BOX

## Adjustments for JT20 Bore machine 2023Rate in 2022 TLS EQ rates

August 21, 2023

**Ditch Witch JT20**

Horizontal Directional Drills

Size Class:

**15,001 - 20,000 lbs**

Weight:

N/A



### Configuration for JT20

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 \$17,395.00	USD \$4,870.00	USD \$1,220.00	USD \$185.00		
<b>Adjustments</b>						
Region ( Oklahoma: 97.5%)	(USD \$434.88)	(USD \$121.75)	(USD \$30.50)	(USD \$4.63)		
Model Year (2023: 100%)	-	-	-	-		
Adjusted Hourly Ownership Cost (72%)	(USD \$4,748.83)	(USD \$1,329.51)	(USD \$333.06)	(USD \$50.51)		
Hourly Operating Cost (57.9999999999999%)					(USD \$25.16)	
<b>Total:</b>	<b>USD \$12,211.29</b>	<b>USD \$3,418.74</b>	<b>USD \$856.44</b>	<b>USD \$129.87</b>	<b>USD \$34.75</b>	<b>USD \$104.13</b>

#### Non-Active Use Rates

	Hourly
Standby Rate	USD \$47.87
Idling Rate	USD \$69.38

#### Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	35%	USD \$6,088.25/mo
Overhaul (ownership)	32%	USD \$5,566.40/mo
CFC (ownership)	15%	USD \$2,609.25/mo
Indirect (ownership)	19%	USD \$3,305.05/mo

Fuel cost data is not available for these rates.

Revised Date: 3rd quarter 2023

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## Adjustments for Ford F250 Foreman truck in 2022 TLS EQ rates

September 26, 2023

**Ford F-250**

On-Highway Light Duty Trucks

Size Class:

**300 hp & Over**

Weight:

N/A



### Configuration for F-250

Axle Configuration	<b>4.0 X 4.0</b>	Cab Type		
Horsepower	<b>385.0 hp</b>	Power Mode		
Ton Rating	<b>3.0 / 4.0</b>		<b>Crew</b>	<b>Gasoline</b>

### 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	USD \$985.00	USD \$275.00	USD \$69.00	USD \$10.00		
<b>Adjustments</b>						
Region ( Oklahoma: 97.2%)	(USD \$27.58)	(USD \$7.70)	(USD \$1.93)	(USD \$0.28)		
Model Year (2023: 100%)	-	-	-	-		
Adjusted Hourly Ownership Cost (160%)	USD \$574.45	USD \$160.38	USD \$40.24	USD \$5.83		
Hourly Operating Cost (60%)					(USD \$12.26)	
<b>Total:</b>	<b>USD \$1,531.87</b>	<b>USD \$427.68</b>	<b>USD \$107.31</b>	<b>USD \$15.55</b>	<b>USD \$18.38</b>	<b>USD \$27.09</b>

### Non-Active Use Rates

Standby Rate		Hourly	USD \$6.70
Idling Rate			USD \$24.23

### Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	56%	USD \$551.60/mo
Overhaul (ownership)	23%	USD \$226.55/mo
CFC (ownership)	9%	USD \$88.65/mo
Indirect (ownership)	12%	USD \$118.20/mo
Fuel (operating) @ USD 3.54	84.43%	USD \$25.87/hr

Revised Date: 3rd quarter 2023

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## Adjustments for F350 Utility Crew truck in 2022 TLS EQ rates

October 4, 2023

### Ford F-350 4X4 DIESEL (disc. 1994)

Light Duty Trucks

Size Class:

2

Weight:

N/A



### Configuration for F-350 4X4 DIESEL (disc. 1994)

Power Mode

**Diesel**

Gross Vehicle Weight Rating

**9000 Pounds**

Wheelbase

**133 Inches**

### 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 \$1,605.00	USD \$450.00	USD \$115.00	USD \$17.00		
<b>Adjustments</b>						
Region ( Oklahoma: 95.6%)	(USD \$70.62)	(USD \$19.80)	(USD \$5.06)	(USD \$0.75)		
Model Year (1994: 100%)	-	-	-	-		
Adjusted Hourly Ownership Cost (147%)	USD \$721.16	USD \$202.19	USD \$51.67	USD \$7.64		
Hourly Operating Cost (100%)						
<b>Total:</b>	<b>USD \$2,255.54</b>	<b>USD \$632.39</b>	<b>USD \$161.61</b>	<b>USD \$23.89</b>	<b>USD \$22.71</b>	<b>USD \$35.53</b>

### Non-Active Use Rates

Standby Rate

USD \$7.05

Idling Rate

USD \$27.67

### Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	23%	USD \$369.15/mo
Overhaul (ownership)	45%	USD \$722.25/mo
CFC (ownership)	16%	USD \$256.80/mo
Indirect (ownership)	16%	USD \$256.80/mo
Fuel (operating) @ USD 4.39	65.39%	USD \$14.85/hr

Revised Date: 4th quarter 2023

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## Adjustments for John Deere 17G Excavator (Bore Crew) in 2022 TLS EQ rates

August 12, 2022

**Deere 17G**

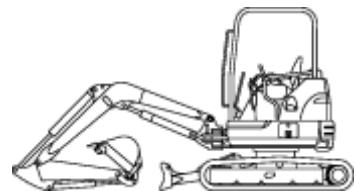
Crawler Mounted Compact Excavators

Size Class:

**1.1 - 2.0 MTons**

Weight:

N/A



### Configuration for 17G

Operating Weight  
Power Mode

**3790 lbs**  
**Diesel**

Operator Protection

**ROPS/FOPS**

### 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 \$2,660.00	USD \$745.00	USD \$185.00	USD \$28.00		
<b>Adjustments</b>						
Region ( Oklahoma: 95%)	(USD \$133.00)	(USD \$37.25)	(USD \$9.25)	(USD \$1.40)		
Model Year (2019: 99.9%)	(USD \$2.58)	(USD \$0.72)	(USD \$0.18)	(USD \$0.03)		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)						
<b>Total:</b>	<b>USD \$2,524.42</b>	<b>USD \$707.03</b>	<b>USD \$175.57</b>	<b>USD \$26.57</b>	<b>USD \$13.26</b>	<b>USD \$27.60</b>

### Non-Active Use Rates

Standby Rate

Hourly

Idling Rate

USD \$7.17

USD \$18.14

### Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	31%	USD \$824.60/mo
Overhaul (ownership)	42%	USD \$1,117.20/mo
CFC (ownership)	7%	USD \$186.20/mo
Indirect (ownership)	20%	USD \$532.00/mo
Fuel (operating) @ USD 5.70	29%	USD \$3.80/hr

Revised Date: 3rd quarter 2022

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(jmudge@tlsokc.com)

## Adjustments for PolyPipe Trailer in 2022 TLS EQ rates

August 21, 2023

**Miscellaneous 2 AXLE 4 TIRE 20'**

Lowboy Trailers

Size Class:

All

Weight:

N/A


**Configuration for 2 AXLE 4 TIRE 20'**

Power Mode

**Manual**
**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 \$4,955.00	USD \$1,390.00	USD \$350.00	USD \$53.00		
<b>Adjustments</b>						
Region ( Oklahoma: 98.8%)	(USD \$59.46)	(USD \$16.68)	(USD \$4.20)	(USD \$0.64)		
Model Year (2010: 96.7%)	(USD \$161.55)	(USD \$45.32)	(USD \$11.41)	(USD \$1.73)		
Adjusted Hourly Ownership Cost (31%)	(USD \$3,266.45)	(USD \$916.32)	(USD \$230.73)	(USD \$34.94)		
Hourly Operating Cost (33%)					(USD \$5.02)	
<b>Total:</b>	<b>USD \$1,467.54</b>	<b>USD \$411.68</b>	<b>USD \$103.66</b>	<b>USD \$15.70</b>	<b>USD \$2.47</b>	<b>USD \$10.81</b>

**Non-Active Use Rates**

Standby Rate

Hourly

USD \$6.84

Idling Rate

USD \$8.34

**Rate Element Allocation**

Element	Percentage	Value
Depreciation (ownership)	65%	USD \$3,220.75/mo
Overhaul (ownership)	18%	USD \$891.90/mo
CFC (ownership)	10%	USD \$495.50/mo
Indirect (ownership)	7%	USD \$346.85/mo

Fuel cost data is not available for these rates.

Revised Date: 3rd quarter 2023

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## Adjustments for Trailer Bumper Pull Equipment 14k in 2022 TLS EQ rates

April 27, 2023

**Miscellaneous TOW 2 2 20**

Non-Tilt Deck Utility Trailers

Size Class:

All

Weight:

N/A



### Configuration for TOW 2 2 20

Capacity	<b>20.0 t</b>	Hitch Type	
Number Of Axles	<b>2.0</b>	Number Of Tires	
Power Mode	<b>Manual</b>		

**Tow  
8.0**
**Blue Book Rates**

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

	Ownership Costs				Estimated Operating Costs Hourly	FHWA Rate** Hourly
	Monthly	Weekly	Daily	Hourly		
Published Rates	USD \$545.00	USD \$155.00	USD \$39.00	USD \$6.00		
<b>Adjustments</b>						
Region ( Oklahoma: 95.8%)	(USD \$22.89)	(USD \$6.51)	(USD \$1.64)	(USD \$0.25)		
Model Year (2022: 99.85%)	(USD \$0.80)	(USD \$0.23)	(USD \$0.06)	(USD \$0.01)		
Adjusted Hourly Ownership Cost (139%)	USD \$203.31	USD \$57.82	USD \$14.55	USD \$2.24		
Hourly Operating Cost (138%)					USD \$0.89	
<b>Total:</b>	<b>USD \$724.62</b>	<b>USD \$206.08</b>	<b>USD \$51.85</b>	<b>USD \$7.98</b>	<b>USD \$3.23</b>	<b>USD \$7.35</b>

**Non-Active Use Rates**

Standby Rate		Hourly	USD \$2.88
Idling Rate			USD \$4.12

**Rate Element Allocation**

Element	Percentage	Value
Depreciation (ownership)	46%	USD \$250.70/mo
Overhaul (ownership)	30%	USD \$163.50/mo
CFC (ownership)	11%	USD \$59.95/mo
Indirect (ownership)	13%	USD \$70.85/mo

Fuel cost data is not available for these rates.

Revised Date: 2nd quarter 2023

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(jmudge@tlsokc.com)

## Adjustments for Trailer Gooseneck 35ft in 2022 TLS EQ rates

April 27, 2023

**Miscellaneous LEVEL 2 22.5**  
Fixed Gooseneck Equipment Trailers

Size Class:

All

Weight:

8900 lbs


**Configuration for LEVEL 2 22.5**

Capacity	<b>22.5 t</b>	Deck Length	<b>14' - 18'</b>
Deck Type	<b>Level</b>	Number Of Axles	<b>2.0</b>
Power Mode	<b>Manual</b>		

**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 \$1,060.00	USD \$295.00	USD \$74.00	USD \$11.00		
<b>Adjustments</b>						
Region ( Oklahoma: 96.19%)	(USD \$41.34)	(USD \$11.51)	(USD \$2.89)	(USD \$0.43)		
Model Year (2020: 99.53%)	(USD \$4.81)	(USD \$1.34)	(USD \$0.34)	(USD \$0.05)		
Adjusted Hourly Ownership Cost (153%)	USD \$537.34	USD \$149.54	USD \$37.51	USD \$5.58		
Hourly Operating Cost (150%)					USD \$2.15	
<b>Total:</b>	<b>USD \$1,551.19</b>	<b>USD \$431.70</b>	<b>USD \$108.29</b>	<b>USD \$16.10</b>	<b>USD \$6.45</b>	<b>USD \$15.26</b>

**Non-Active Use Rates**

Standby Rate	Hourly	USD \$6.35
Idling Rate		USD \$8.81

**Rate Element Allocation**

Element	Percentage	Value
Depreciation (ownership)	44%	USD \$466.40/mo
Overhaul (ownership)	28%	USD \$296.80/mo
CFC (ownership)	11%	USD \$116.60/mo
Indirect (ownership)	17%	USD \$180.20/mo

Fuel cost data is not available for these rates.

Revised Date: 2nd quarter 2023

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(jmudge@tlsokc.com)

## Adjustments for Yanmar Mini Ex Vio-35-6 in 2022 TLS EQ rates

June 14, 2023

**Yanmar VIO35-6**

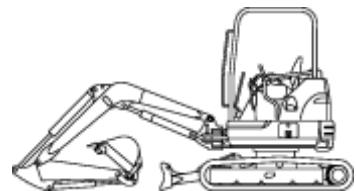
Crawler Mounted Compact Excavators

Size Class:

3.5 - 4.4 mt

Weight:

N/A



### Configuration for VIO35-6

Horsepower	<b>24.4 hp</b>
Operator Protection	<b>ROPS</b>

Operating Weight	<b>0.0 lbs</b>
Power Mode	<b>Diesel</b>

### Blue Book Rates

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

	Ownership Costs				Estimated Operating Costs Hourly	FHWA Rate** Hourly
	Monthly	Weekly	Daily	Hourly		
Published Rates	USD \$5,075.00	USD \$1,420.00	USD \$355.00	USD \$53.00		
<b>Adjustments</b>						
Region ( Oklahoma: 96.4%)	(USD \$182.70)	(USD \$51.12)	(USD \$12.78)	(USD \$1.91)		
Model Year (2019: 99.9%)	(USD \$5.05)	(USD \$1.41)	(USD \$0.35)	(USD \$0.05)		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)						
<b>Total:</b>	<b>USD \$4,887.25</b>	<b>USD \$1,367.47</b>	<b>USD \$341.87</b>	<b>USD \$51.04</b>	<b>USD \$19.48</b>	<b>USD \$47.25</b>

### Non-Active Use Rates

Standby Rate

Hourly

USD \$13.88

Idling Rate

USD \$31.60

### Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	22%	USD \$1,116.50/mo
Overhaul (ownership)	41%	USD \$2,080.75/mo
CFC (ownership)	18%	USD \$913.50/mo
Indirect (ownership)	19%	USD \$964.25/mo
Fuel (operating) @ USD 4.25	20%	USD \$3.83/hr

Revised Date: 2nd quarter 2023

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The equipment represented in this report has been exclusively prepared for Justin Mudge (jmudge@tlsokc.com)

Contract ID 220207

## Oklahoma Department of Transportation

Cost Breakdown For Differing Site Conditions, Changes & Extra Work

Project No. STP-172N(455)IG Date 12/22/2023

County Tulsa/Wagoner Contractor Sherwood Construction Co., Inc.

Description of Work 1/C NO.4 ELECT.COND. (SH-51 Median)

1. <b>Labor Total</b> (Refer to Attachment A)		\$	-
a) Labor Overhead and Profit	25%	%	\$ -
2. <b>Material Total</b> (Refer to Attachment B)		\$	-
a) Material Overhead & Profit	20%	%	\$ -
3. <b>Equipment Total</b> (Refer to Attachment C)		\$	-
a) Equipment Additional Administrative Costs & Profit	20%	%	\$ -
4. a) <b>Bonds</b>	1%	%	\$ -
b) <b>Property Damages &amp; Liability Insurance</b>	\$ 104.76	Rate/\$1,000 of Payroll	\$ -
c) <b>Workers Compensation</b>	\$ 10.22	Rate/\$100 of Payroll	\$ -
d) <b>Unemployment Insurance Contribution</b>	3.8%	%	\$ -
e) <b>Social Security Taxes</b>	7.65%	%	\$ -
f) <b>Employee Fringe Benefits</b>	20%	%	\$ -
5. <b>Subcontracted Work Total</b>		\$	2,250.00
a) Prime Contractor Overhead on Subcontracted Work	10%	%	\$ 225.00
6. <b>Work of a Non-Highway Construction Nature</b>		\$	-
a) Prime Contractor Overhead on Subcontracted Work	10%	%	\$ -
7. <b>Total Cost of Work</b>		\$	2,475.00
a) Unit Price \$ 1.65	Quantity 1,500.00	Units LF	



Contract ID :

220207

**Cost Breakdown For Differing Site Conditions, Changes & Extra Work**

Project No. : STP-172N(455)IG, 26308(04)

Date

December 18, 2023

County: Tulsa &amp; Wagoner Contractor : TLS Group, Inc.

Description of Work : 1/C No. 4 ELECT.COND.

1	Labor Total (Refer to Attachment A)			\$780.00
	a) Labor Overhead & Profit	%	25.00%	\$195.00
2	Material Total (Refer to Attachment B)			\$422.84
	a) Material Overhead & Profit	%	20.00%	\$84.57
3	Equipment Total (Refer to Attachment C)			\$367.34
	a) Equipment Additional Administrative Costs & Profit	%	20.00%	\$73.47
4	a) Bonds	%	1.00%	\$14.39
	b) Property Damage & Liability Insurance	%	2.01%	\$15.68
	c) Workers Compensation	Rate/\$100 of Payroll	6.59%	\$51.40
	d) Unemployment Insurance Contribution	%	3.80%	\$29.64
	e) Social Security Taxes	%	7.65%	\$59.67
	f) Employee Fringe Benefits	%	20.00%	\$156.00
	4. SECTION TOTAL			\$326.78
5	Subcontracted Work Total			\$0.00
	a) Prime Contractor Overhead on Subcontracted Work	%	10.00%	\$0.00
6	Work of a Non-Highway Construction Nature			
	a) Prime Contractor Overhead on Subcontracted Work	%	10.00%	\$0.00
7	Total Cost of Work			\$2,250.00
	a) Unit Price	\$1.50	Quantity	1,500.00
			Units	LF
				\$2,250.00

## Attachment A - Labor Total

Contract: 220207

Description: 1/C No. 4 ELECT.COND.

**Attachment B - Material Total**

Contract: 220207

Description: 1/C No. 4 ELECT.COND.

## **Attachment C - Equipment Total**

Contract: 220207

Description: 1/C No. 4 ELECT.COND.

## Adjustments for JT20 Bore machine 2023Rate in 2022 TLS EQ rates

August 21, 2023

**Ditch Witch JT20**

Horizontal Directional Drills

Size Class:

**15,001 - 20,000 lbs**

Weight:

N/A



### Configuration for JT20

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 \$17,395.00	USD \$4,870.00	USD \$1,220.00	USD \$185.00		
<b>Adjustments</b>						
Region ( Oklahoma: 97.5%)	(USD \$434.88)	(USD \$121.75)	(USD \$30.50)	(USD \$4.63)		
Model Year (2023: 100%)	-	-	-	-		
Adjusted Hourly Ownership Cost (72%)	(USD \$4,748.83)	(USD \$1,329.51)	(USD \$333.06)	(USD \$50.51)		
Hourly Operating Cost (57.9999999999999%)					(USD \$25.16)	
<b>Total:</b>	<b>USD \$12,211.29</b>	<b>USD \$3,418.74</b>	<b>USD \$856.44</b>	<b>USD \$129.87</b>	<b>USD \$34.75</b>	<b>USD \$104.13</b>

#### Non-Active Use Rates

	Hourly
Standby Rate	USD \$47.87
Idling Rate	USD \$69.38

#### Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	35%	USD \$6,088.25/mo
Overhaul (ownership)	32%	USD \$5,566.40/mo
CFC (ownership)	15%	USD \$2,609.25/mo
Indirect (ownership)	19%	USD \$3,305.05/mo

Fuel cost data is not available for these rates.

Revised Date: 3rd quarter 2023

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## Adjustments for Ford F250 Foreman truck in 2022 TLS EQ rates

September 26, 2023

**Ford F-250**

On-Highway Light Duty Trucks

Size Class:

**300 hp & Over**

Weight:

N/A



### Configuration for F-250

Axle Configuration	<b>4.0 X 4.0</b>	Cab Type		
Horsepower	<b>385.0 hp</b>	Power Mode		
Ton Rating	<b>3.0 / 4.0</b>		<b>Crew</b>	<b>Gasoline</b>

### 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	USD \$985.00	USD \$275.00	USD \$69.00	USD \$10.00		
<b>Adjustments</b>						
Region ( Oklahoma: 97.2%)	(USD \$27.58)	(USD \$7.70)	(USD \$1.93)	(USD \$0.28)		
Model Year (2023: 100%)	-	-	-	-		
Adjusted Hourly Ownership Cost (160%)	USD \$574.45	USD \$160.38	USD \$40.24	USD \$5.83		
Hourly Operating Cost (60%)					(USD \$12.26)	
<b>Total:</b>	<b>USD \$1,531.87</b>	<b>USD \$427.68</b>	<b>USD \$107.31</b>	<b>USD \$15.55</b>	<b>USD \$18.38</b>	<b>USD \$27.09</b>

### Non-Active Use Rates

Standby Rate		Hourly	USD \$6.70
Idling Rate			USD \$24.23

### Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	56%	USD \$551.60/mo
Overhaul (ownership)	23%	USD \$226.55/mo
CFC (ownership)	9%	USD \$88.65/mo
Indirect (ownership)	12%	USD \$118.20/mo
Fuel (operating) @ USD 3.54	84.43%	USD \$25.87/hr

Revised Date: 3rd quarter 2023

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## Adjustments for F350 Utility Crew truck in 2022 TLS EQ rates

October 4, 2023

### Ford F-350 4X4 DIESEL (disc. 1994)

Light Duty Trucks

Size Class:

2

Weight:

N/A



### Configuration for F-350 4X4 DIESEL (disc. 1994)

Power Mode	<b>Diesel</b>	Wheelbase	<b>133 Inches</b>
Gross Vehicle Weight Rating	<b>9000 Pounds</b>		

### 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	USD \$1,605.00	USD \$450.00	USD \$115.00	USD \$17.00		
<b>Adjustments</b>						
Region ( Oklahoma: 95.6%)	(USD \$70.62)	(USD \$19.80)	(USD \$5.06)	(USD \$0.75)		
Model Year (1994: 100%)	-	-	-	-		
Adjusted Hourly Ownership Cost (147%)	USD \$721.16	USD \$202.19	USD \$51.67	USD \$7.64		
Hourly Operating Cost (100%)						
<b>Total:</b>	<b>USD \$2,255.54</b>	<b>USD \$632.39</b>	<b>USD \$161.61</b>	<b>USD \$23.89</b>	<b>USD \$22.71</b>	<b>USD \$35.53</b>

### Non-Active Use Rates

Standby Rate	Hourly	USD \$7.05
Idling Rate		USD \$27.67

### Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	23%	USD \$369.15/mo
Overhaul (ownership)	45%	USD \$722.25/mo
CFC (ownership)	16%	USD \$256.80/mo
Indirect (ownership)	16%	USD \$256.80/mo
Fuel (operating) @ USD 4.39	65.39%	USD \$14.85/hr

Revised Date: 4th quarter 2023

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The equipment represented in this report has been exclusively prepared for Justin Mudge (jmudge@tlsokc.com)

## Adjustments for John Deere 17G Excavator (Bore Crew) in 2022 TLS EQ rates

August 12, 2022

**Deere 17G**

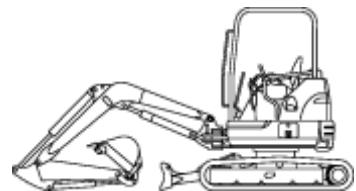
Crawler Mounted Compact Excavators

Size Class:

**1.1 - 2.0 MTons**

Weight:

N/A



### Configuration for 17G

Operating Weight  
Power Mode

**3790 lbs**  
**Diesel**

Operator Protection

ROPS/FOPS

### 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 \$2,660.00	USD \$745.00	USD \$185.00	USD \$28.00		
<b>Adjustments</b>						
Region ( Oklahoma: 95%)	(USD \$133.00)	(USD \$37.25)	(USD \$9.25)	(USD \$1.40)		
Model Year (2019: 99.9%)	(USD \$2.58)	(USD \$0.72)	(USD \$0.18)	(USD \$0.03)		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)						
<b>Total:</b>	<b>USD \$2,524.42</b>	<b>USD \$707.03</b>	<b>USD \$175.57</b>	<b>USD \$26.57</b>	<b>USD \$13.26</b>	<b>USD \$27.60</b>

### Non-Active Use Rates

Standby Rate

Hourly

USD \$7.17

Idling Rate

USD \$18.14

### Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	31%	USD \$824.60/mo
Overhaul (ownership)	42%	USD \$1,117.20/mo
CFC (ownership)	7%	USD \$186.20/mo
Indirect (ownership)	20%	USD \$532.00/mo
Fuel (operating) @ USD 5.70	29%	USD \$3.80/hr

Revised Date: 3rd quarter 2022

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(jmudge@tlsokc.com)

## Adjustments for PolyPipe Trailer in 2022 TLS EQ rates

August 21, 2023

**Miscellaneous 2 AXLE 4 TIRE 20'**

Lowboy Trailers

Size Class:

All

Weight:

N/A


**Configuration for 2 AXLE 4 TIRE 20'**

Power Mode

**Manual**
**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 \$4,955.00	USD \$1,390.00	USD \$350.00	USD \$53.00		
<b>Adjustments</b>						
Region ( Oklahoma: 98.8%)	(USD \$59.46)	(USD \$16.68)	(USD \$4.20)	(USD \$0.64)		
Model Year (2010: 96.7%)	(USD \$161.55)	(USD \$45.32)	(USD \$11.41)	(USD \$1.73)		
Adjusted Hourly Ownership Cost (31%)	(USD \$3,266.45)	(USD \$916.32)	(USD \$230.73)	(USD \$34.94)		
Hourly Operating Cost (33%)					(USD \$5.02)	
<b>Total:</b>	<b>USD \$1,467.54</b>	<b>USD \$411.68</b>	<b>USD \$103.66</b>	<b>USD \$15.70</b>	<b>USD \$2.47</b>	<b>USD \$10.81</b>

**Non-Active Use Rates**

Standby Rate

Hourly

USD \$6.84

Idling Rate

USD \$8.34

**Rate Element Allocation**

Element	Percentage	Value
Depreciation (ownership)	65%	USD \$3,220.75/mo
Overhaul (ownership)	18%	USD \$891.90/mo
CFC (ownership)	10%	USD \$495.50/mo
Indirect (ownership)	7%	USD \$346.85/mo

Fuel cost data is not available for these rates.

Revised Date: 3rd quarter 2023

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## Adjustments for Trailer Bumper Pull Equipment 14k in 2022 TLS EQ rates

April 27, 2023

**Miscellaneous TOW 2 2 20**

Non-Tilt Deck Utility Trailers

Size Class:

All

Weight:

N/A



### Configuration for TOW 2 2 20

Capacity	<b>20.0 t</b>	Hitch Type	
Number Of Axles	<b>2.0</b>	Number Of Tires	
Power Mode	<b>Manual</b>		

**Tow  
8.0**
**Blue Book Rates**

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

	Ownership Costs				Estimated Operating Costs Hourly	FHWA Rate** Hourly
	Monthly	Weekly	Daily	Hourly		
Published Rates	USD \$545.00	USD \$155.00	USD \$39.00	USD \$6.00		
<b>Adjustments</b>						
Region ( Oklahoma: 95.8%)	(USD \$22.89)	(USD \$6.51)	(USD \$1.64)	(USD \$0.25)		
Model Year (2022: 99.85%)	(USD \$0.80)	(USD \$0.23)	(USD \$0.06)	(USD \$0.01)		
Adjusted Hourly Ownership Cost (139%)	USD \$203.31	USD \$57.82	USD \$14.55	USD \$2.24		
Hourly Operating Cost (138%)					USD \$0.89	
<b>Total:</b>	<b>USD \$724.62</b>	<b>USD \$206.08</b>	<b>USD \$51.85</b>	<b>USD \$7.98</b>	<b>USD \$3.23</b>	<b>USD \$7.35</b>

**Non-Active Use Rates**

Standby Rate		Hourly	USD \$2.88
Idling Rate			USD \$4.12

**Rate Element Allocation**

Element	Percentage	Value
Depreciation (ownership)	46%	USD \$250.70/mo
Overhaul (ownership)	30%	USD \$163.50/mo
CFC (ownership)	11%	USD \$59.95/mo
Indirect (ownership)	13%	USD \$70.85/mo

Fuel cost data is not available for these rates.

Revised Date: 2nd quarter 2023

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(jmudge@tlsokc.com)

## Adjustments for Trailer Gooseneck 35ft in 2022 TLS EQ rates

April 27, 2023

**Miscellaneous LEVEL 2 22.5**  
Fixed Gooseneck Equipment Trailers

Size Class:

All

Weight:

8900 lbs


**Configuration for LEVEL 2 22.5**

Capacity	<b>22.5 t</b>	Deck Length	<b>14' - 18'</b>
Deck Type	<b>Level</b>	Number Of Axles	<b>2.0</b>
Power Mode	<b>Manual</b>		

**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 \$1,060.00	USD \$295.00	USD \$74.00	USD \$11.00		
<b>Adjustments</b>						
Region ( Oklahoma: 96.19%)	(USD \$41.34)	(USD \$11.51)	(USD \$2.89)	(USD \$0.43)		
Model Year (2020: 99.53%)	(USD \$4.81)	(USD \$1.34)	(USD \$0.34)	(USD \$0.05)		
Adjusted Hourly Ownership Cost (153%)	USD \$537.34	USD \$149.54	USD \$37.51	USD \$5.58		
Hourly Operating Cost (150%)					USD \$2.15	
<b>Total:</b>	<b>USD \$1,551.19</b>	<b>USD \$431.70</b>	<b>USD \$108.29</b>	<b>USD \$16.10</b>	<b>USD \$6.45</b>	<b>USD \$15.26</b>

**Non-Active Use Rates**

Standby Rate	Hourly	USD \$6.35
Idling Rate		USD \$8.81

**Rate Element Allocation**

Element	Percentage	Value
Depreciation (ownership)	44%	USD \$466.40/mo
Overhaul (ownership)	28%	USD \$296.80/mo
CFC (ownership)	11%	USD \$116.60/mo
Indirect (ownership)	17%	USD \$180.20/mo

Fuel cost data is not available for these rates.

Revised Date: 2nd quarter 2023

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(jmudge@tlsokc.com)

## Adjustments for Yanmar Mini Ex Vio-35-6 in 2022 TLS EQ rates

June 14, 2023

**Yanmar VIO35-6**

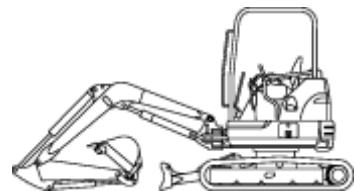
Crawler Mounted Compact Excavators

Size Class:

3.5 - 4.4 mt

Weight:

N/A



### Configuration for VIO35-6

Horserpower  
Operator Protection

**24.4 hp**  
ROPS

Operating Weight  
Power Mode

**0.0 lbs**  
Diesel

### Blue Book Rates

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

	Ownership Costs				Estimated Operating Costs Hourly	FHWA Rate** Hourly
	Monthly	Weekly	Daily	Hourly		
Published Rates	USD \$5,075.00	USD \$1,420.00	USD \$355.00	USD \$53.00		
<b>Adjustments</b>						
Region ( Oklahoma: 96.4%)	(USD \$182.70)	(USD \$51.12)	(USD \$12.78)	(USD \$1.91)		
Model Year (2019: 99.9%)	(USD \$5.05)	(USD \$1.41)	(USD \$0.35)	(USD \$0.05)		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)						
<b>Total:</b>	<b>USD \$4,887.25</b>	<b>USD \$1,367.47</b>	<b>USD \$341.87</b>	<b>USD \$51.04</b>	<b>USD \$19.48</b>	<b>USD \$47.25</b>

### Non-Active Use Rates

Standby Rate

Hourly

USD \$13.88

Idling Rate

USD \$31.60

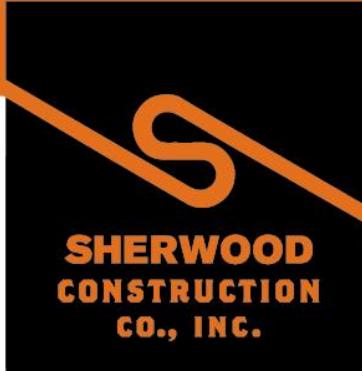
### Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	22%	USD \$1,116.50/mo
Overhaul (ownership)	41%	USD \$2,080.75/mo
CFC (ownership)	18%	USD \$913.50/mo
Indirect (ownership)	19%	USD \$964.25/mo
Fuel (operating) @ USD 4.25	20%	USD \$3.83/hr

Revised Date: 2nd quarter 2023

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TEL 918 266 6861 FAX 918 266 6482  
MAIL 1640 S 101ST EAST AVENUE ▷ TULSA OKLAHOMA ▷ 74128



December 22, 2023

Benchmark Construction Services

Attn: Bobby Williams  
8636 S. Peoria Ave.  
Tulsa, OK 74132

RE: STP-172N(455)IG  
JP 26308(04)  
23<sup>rd</sup> Street from Houston to Kenosha Over SH-51  
Special Sidewalk Crossing Flume

Dear Mr. Williams,

As a result of changes made by the City of Broken Arrow to the designed drainage structures and pipe to avoid utility conflicts, The City has provided a detail of a 'Sidewalk Flume Crossing'. The scope of this additional detail is not covered by existing contract items. We are proposing the addition of a new pay item to facilitate this work.

<u>Item No.</u>	<u>Description</u>	<u>Unit</u>	<u>UOM</u>	<u>Unit Price</u>	<u>Amount</u>
New	Sidewalk Crossing Flume	1.00	EA	\$ 7,985.54	\$ 7,985.54

Please feel free to contact me if you have any questions regarding this request.

Sincerely,  
SHERWOOD CONSTRUCTION COMPANY, INC.

Chris Kinnaman  
Vice President

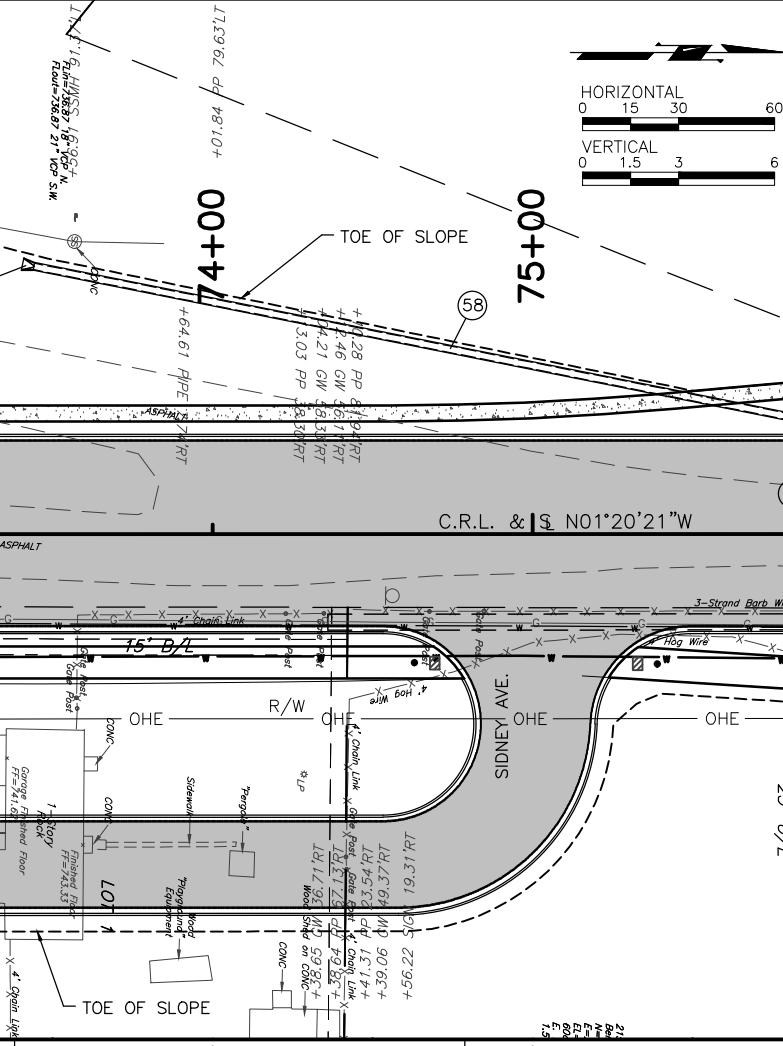


VISIT US ONLINE [www.sherwoodcompanies.com](http://www.sherwoodcompanies.com)

SHERWOOD OFFICES ▷ TULSA, OK ▷ OKLAHOMA CITY, OK ▷ WICHITA, KS | AN EQUAL OPPORTUNITY EMPLOYER

**MATCHLINE STA. 73+00**

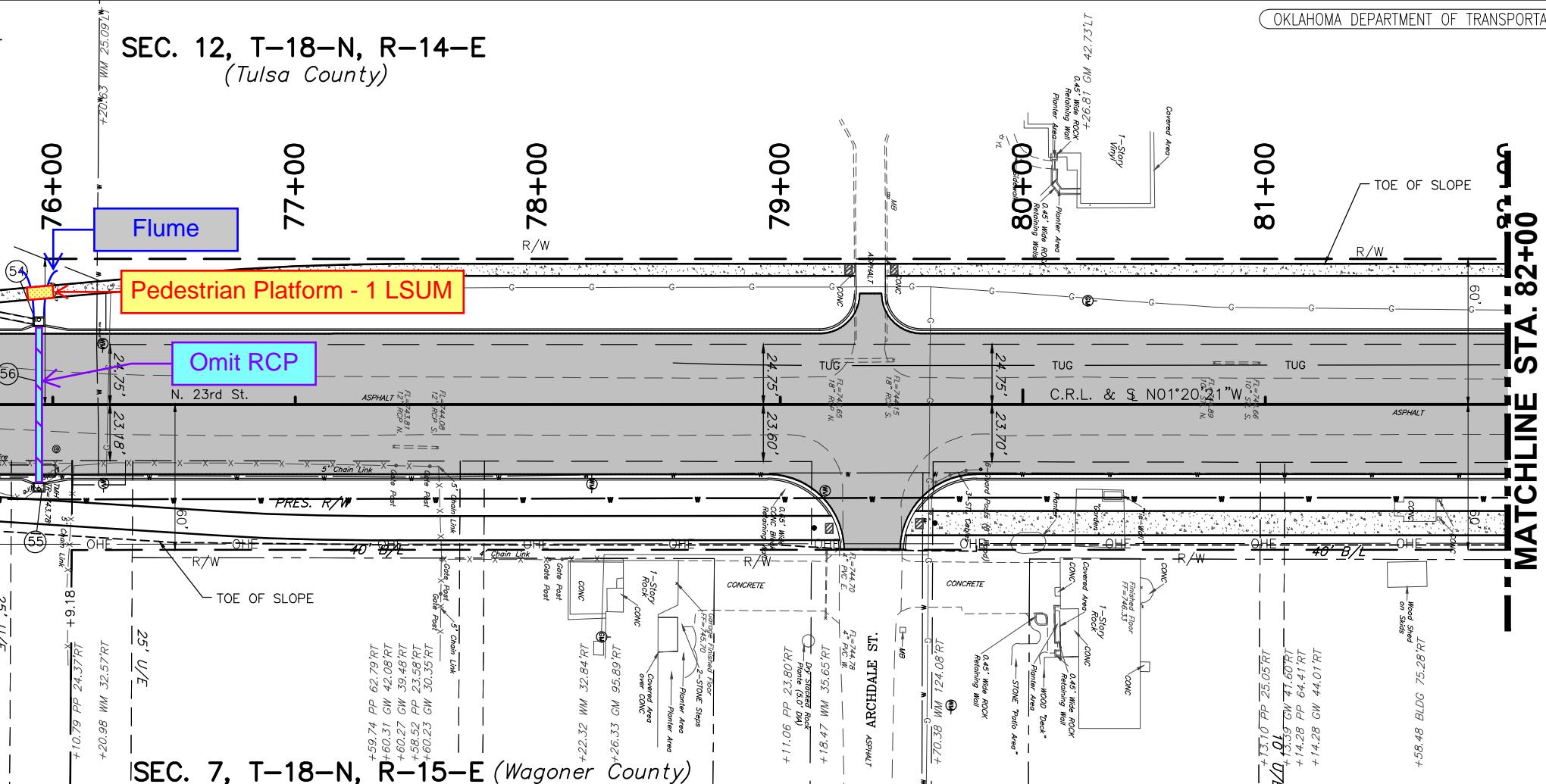
BENCHMARK, STA. 62+28.90, 29.52  
CHISELED BOX, ELEV. = 724.94'



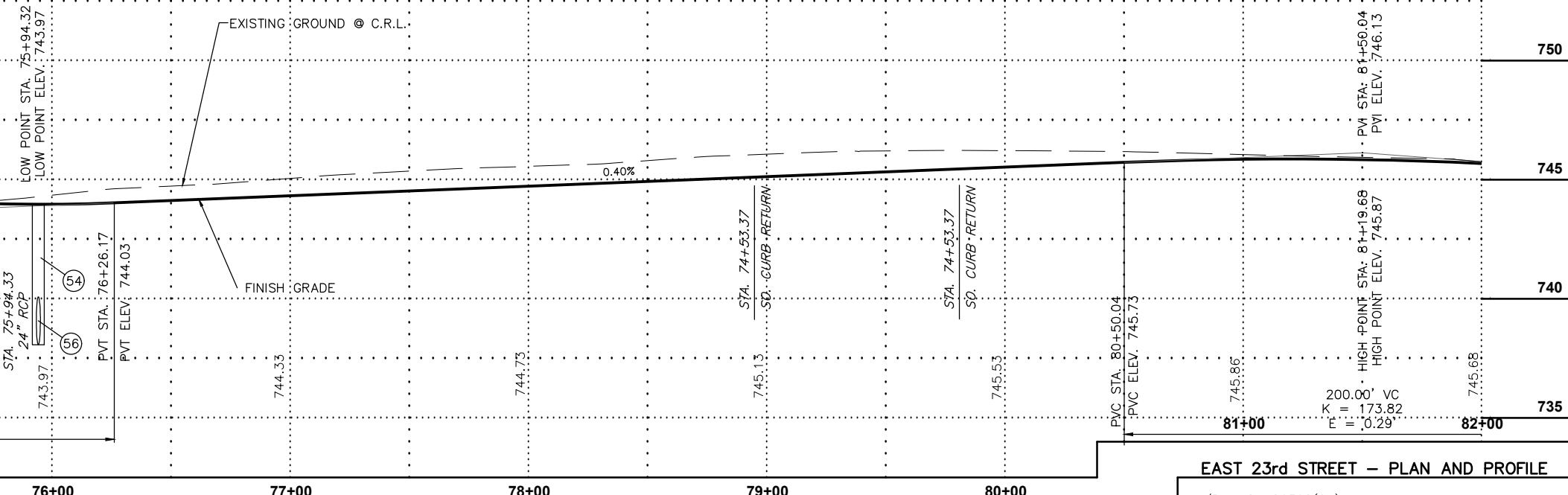
**SEC. 12, T-18-N, R-14-E**  
*(Tulsa County)*

Pedestrian Platform - 1 LSUM

Omit RC

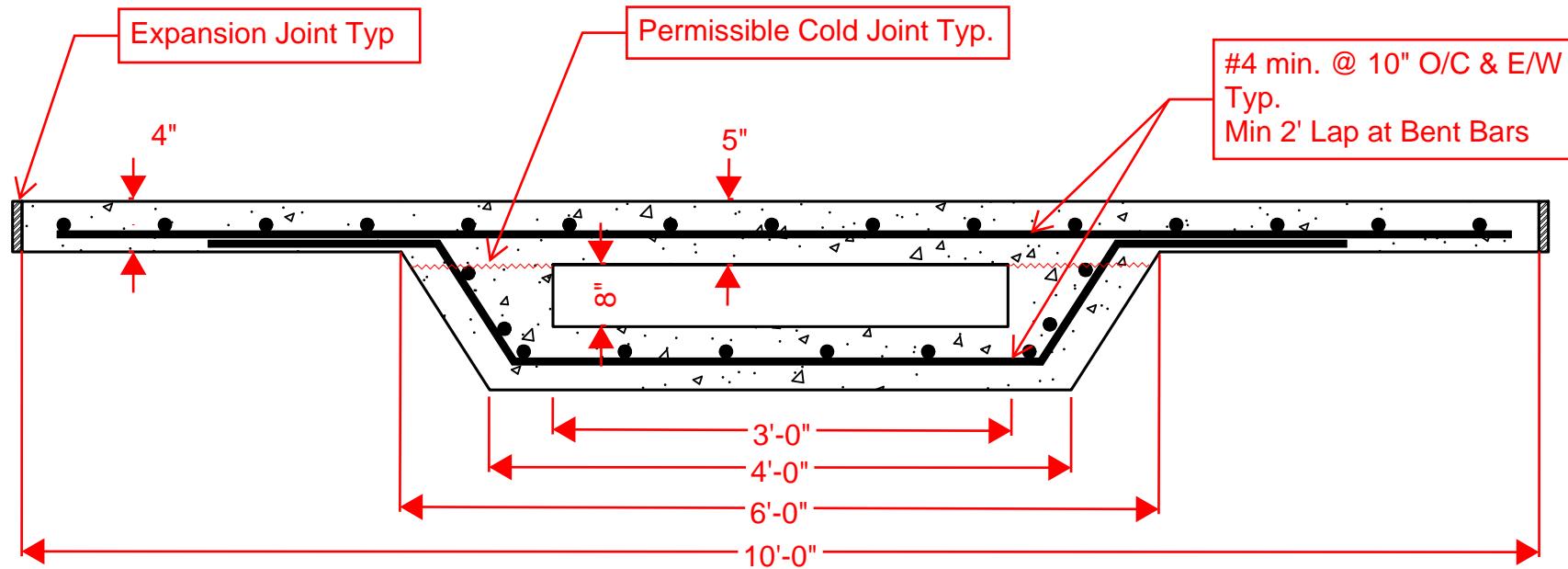


SEC. 7, T-18-N, R-15-E (Wagoner County)



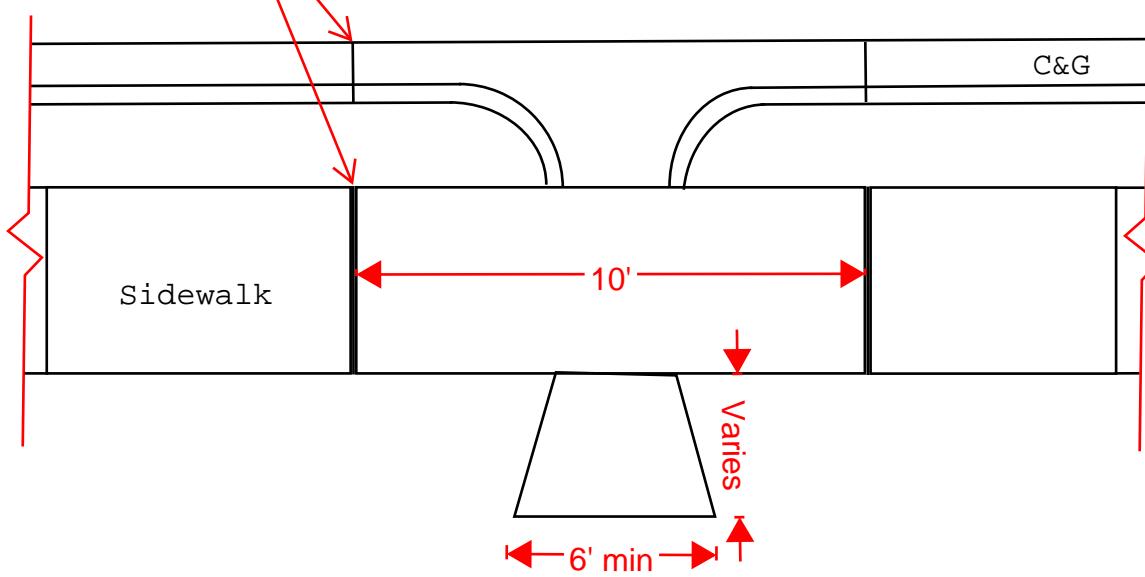
## **EAST 23rd STREET – PLAN AND PROFILE**

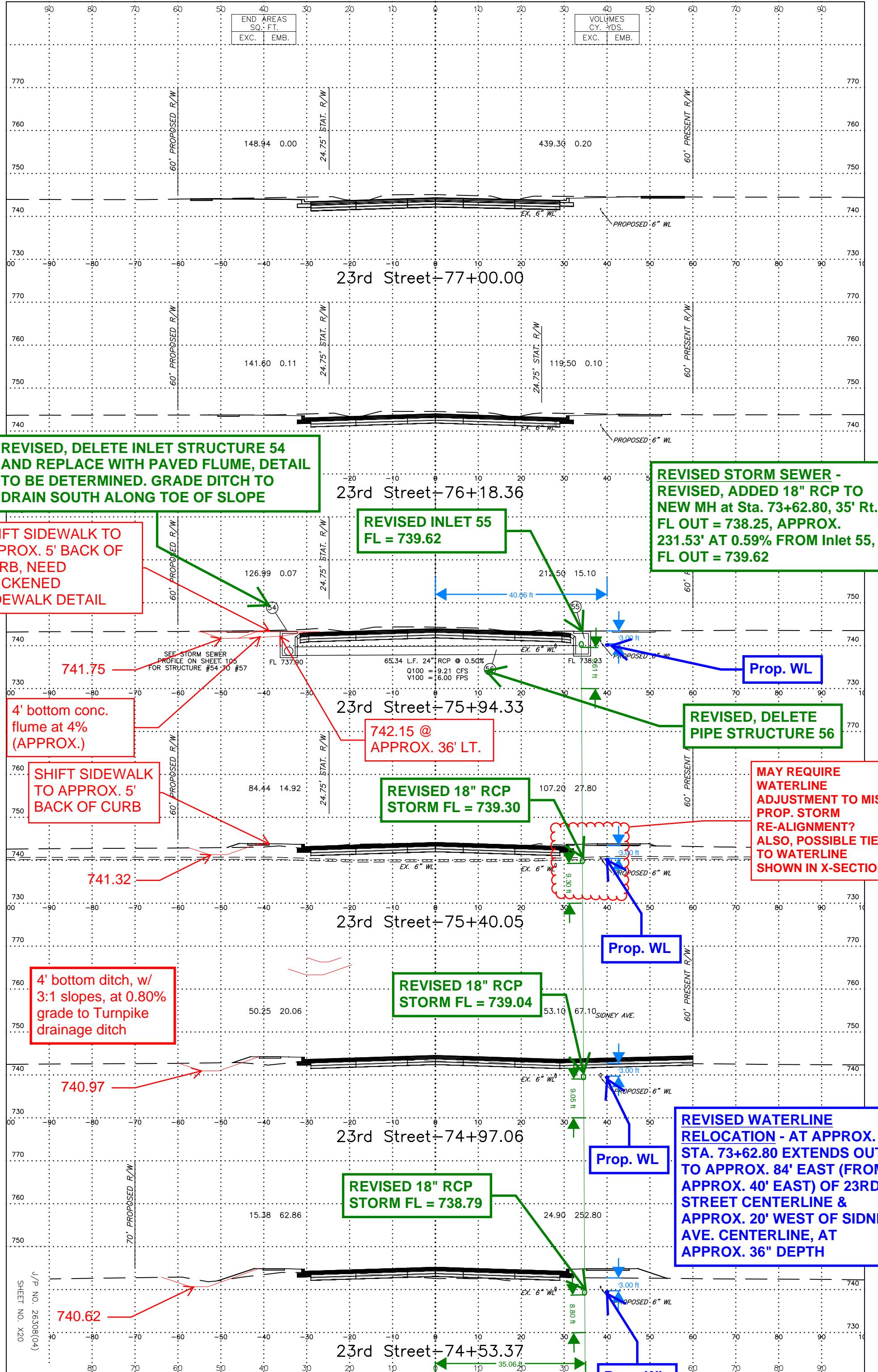
J/P NO. 26308(04) SHEET NO. R014



## Expansion Joint Typ

Concrete Shall be Class BA1 (3500psi)  
or approved alternative.







Contract ID 220207

## Oklahoma Department of Transportation

Cost Breakdown For Differing Site Conditions, Changes & Extra Work

Project No. STP-172N(455)IG Date 12/22/2023

County Tulsa/Wagoner Contractor Sherwood Construction Co., Inc.

Description of Work Special Concrete Flume

1. <b>Labor Total</b> (Refer to Attachment A)		\$ 2,550.00
a) Labor Overhead and Profit	25% %	\$ 637.50

2. <b>Material Total</b> (Refer to Attachment B)		\$ 1,144.50
a) Material Overhead & Profit	20% %	\$ 228.90

3. <b>Equipment Total</b> (Refer to Attachment C)		\$ 1,700.80
a) Equipment Additional Administrative Costs & Profit	20% %	\$ 340.16

4. a) <b>Bonds</b>	1%	%	\$ 53.95
b) <b>Property Damages &amp; Liability Insurance</b>	\$ 104.76	Rate/\$1,000 of Payroll	\$ 267.14
c) <b>Workers Compensation</b>	\$ 10.22	Rate/\$100 of Payroll	\$ 260.61
d) <b>Unemployment Insurance Contribution</b>	3.8%	%	\$ 96.90
e) <b>Social Security Taxes</b>	7.65%	%	\$ 195.08
f) <b>Employee Fringe Benefits</b>	20%	%	\$ 510.00

5. <b>Subcontracted Work Total</b>		
a) Prime Contractor Overhead on Subcontracted Work	10% %	\$ -

6. <b>Work of a Non-Highway Construction Nature</b>		\$ -
a) Prime Contractor Overhead on Subcontracted Work	10% %	\$ -

7. <b>Total Cost of Work</b>		\$ 7,985.54
a) Unit Price \$ 7,985.54	Quantity 1.00 Units EA	

## Attachment A - Labor Total

Contract ID: 220207

Description: Special Concrete Flume

**Attachment B - Material Total**

Contract ID: 220207

Description: Special Concrete Flume

## Attachment C - Equipment Total

Contract ID: 220207

Description: Special Concrete Flume

**Miscellaneous 4X4 3/4 165 CREW GAS**

On-Highway Light Duty Trucks

Size Class:

**100 - 199 hp**

Weight:

5500 lbs


**Configuration for 4X4 3/4 165 CREW GAS**

Axle Configuration	<b>4X4</b>
Horsepower	<b>165.0</b>
Ton Rating	<b>3/4</b>

 Cab Type  
 Power Mode

**Crew  
Gasoline**
**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	USD \$810.00	USD \$225.00	USD \$56.00	USD \$8.00	USD \$13.69	USD \$18.29
<b>Adjustments</b>						
Region ( Oklahoma: 97.2%)	(USD \$22.68)	(USD \$6.30)	(USD \$1.57)	(USD \$0.22)		
Model Year (2022: 99.97%)	(USD \$0.21)	(USD \$0.06)	(USD \$0.01)	(USD \$0.00)		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)						
<b>Total:</b>	<b>USD \$787.11</b>	<b>USD \$218.64</b>	<b>USD \$54.42</b>	<b>USD \$7.77</b>	<b>USD \$13.69</b>	<b>USD \$18.16</b>

**Non-Active Use Rates**

	Hourly
Standby Rate	USD \$2.24
Idling Rate	USD \$15.30

**Rate Element Allocation**
**Element**

	Percentage	Value
Depreciation (ownership)	56%	USD \$453.60/mo
Overhaul (ownership)	22%	USD \$178.20/mo
CFC (ownership)	9%	USD \$72.90/mo
Indirect (ownership)	13%	USD \$105.30/mo
Fuel (operating) @ USD 3.46	79%	USD \$10.83/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 ROD ABBOTT (sherwoodestimator@sherwood.net)

## Rental Rate Blue Book®

August 31, 2023

### Caterpillar 314D LCR (disc. 2013)

Crawler Mounted Hydraulic Excavators

Size Class:

**12.5 - 14.4 mt**

Weight:

31085 lbs



### Configuration for 314D LCR (disc. 2013)

Operating Weight

**14.1 mt**

Power Mode

**Diesel**

### Blue Book Rates

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

	Ownership Costs				Estimated Operating Costs Hourly USD \$39.44	FHWA Rate** Hourly USD \$95.55
	Monthly	Weekly	Daily	Hourly		
Published Rates	USD \$9,875.00	USD \$2,765.00	USD \$690.00	USD \$105.00		
<b>Adjustments</b>						
Region (Oklahoma: 96%)	(USD \$395.00)	(USD \$110.60)	(USD \$27.60)	(USD \$4.20)		
Model Year (2011: 99.17%)	(USD \$78.86)	(USD \$22.08)	(USD \$5.51)	(USD \$0.84)		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)						
<b>Total:</b>	<b>USD \$9,401.14</b>	<b>USD \$2,632.32</b>	<b>USD \$656.89</b>	<b>USD \$99.96</b>	<b>USD \$39.44</b>	<b>USD \$92.86</b>

### Non-Active Use Rates

Standby Rate

Hourly

USD \$26.71

Idling Rate

USD \$61.23

### Rate Element Allocation

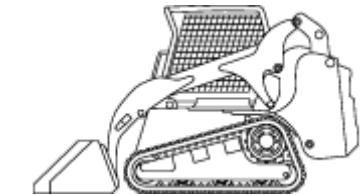
Element	Percentage	Value
Depreciation (ownership)	33%	USD \$3,258.75/mo
Overhaul (ownership)	44%	USD \$4,345.00/mo
CFC (ownership)	14%	USD \$1,382.50/mo
Indirect (ownership)	10%	USD \$987.50/mo
Fuel (operating) @ USD 3.88	19.8%	USD \$7.81/hr

Revised Date: 3rd 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.

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(sherwoodestimator@sherwood.net)

**Caterpillar 289D3**  
 Compact Track Loaders

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

**Configuration for 289D3**

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 \$9,210.00	USD \$2,580.00	USD \$645.00	USD \$97.00	USD \$31.53	USD \$83.86
<b>Adjustments</b>						
Region ( Oklahoma: 96.1%)	(USD \$359.19)	(USD \$100.62)	(USD \$25.16)	(USD \$3.78)		
Model Year (2022: 99.97%)	(USD \$2.66)	(USD \$0.74)	(USD \$0.19)	(USD \$0.03)		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)						
<b>Total:</b>	<b>USD \$8,848.15</b>	<b>USD \$2,478.64</b>	<b>USD \$619.66</b>	<b>USD \$93.19</b>	<b>USD \$31.53</b>	<b>USD \$81.80</b>

**Non-Active Use Rates**

	Hourly
Standby Rate	USD \$25.14
Idling Rate	USD \$61.73

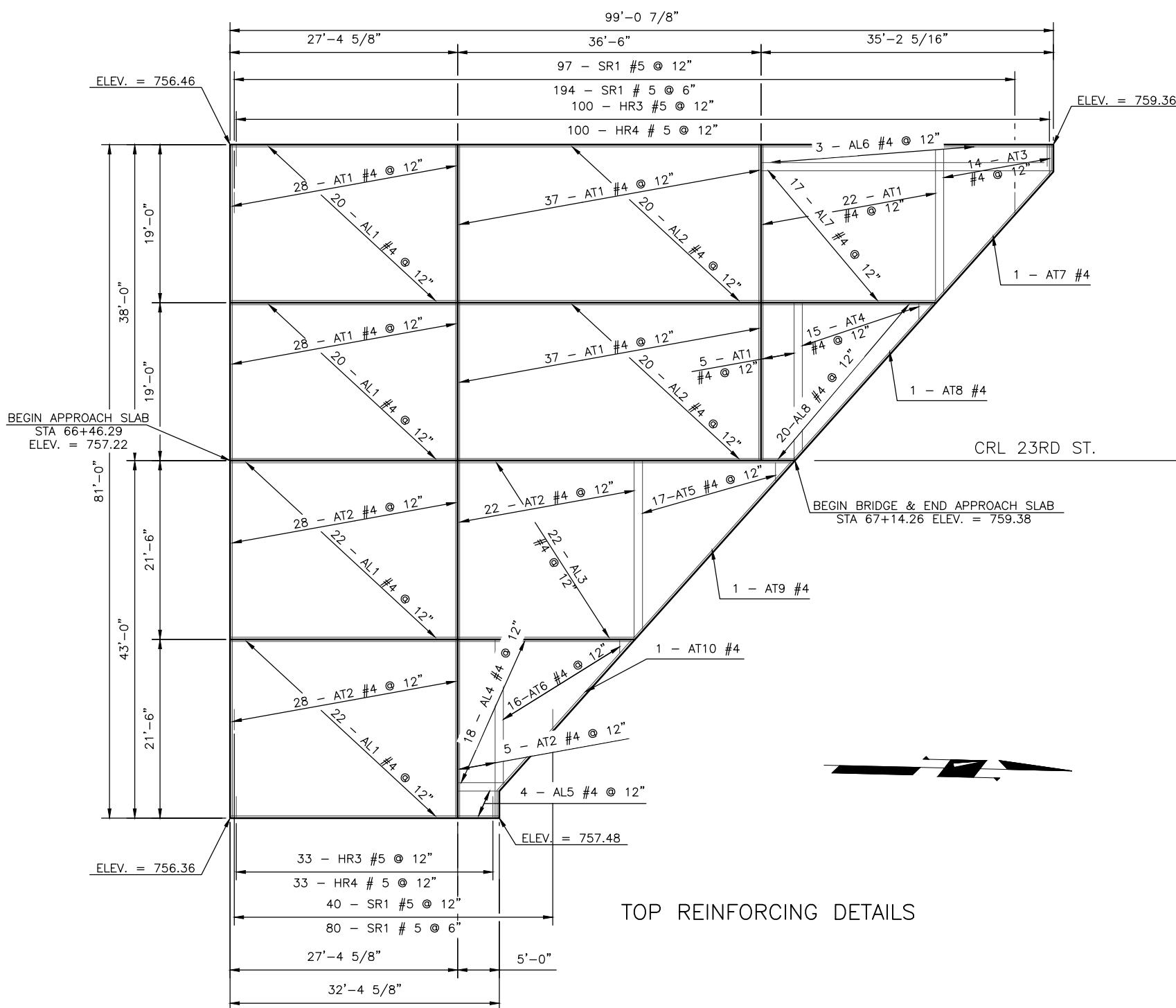
**Rate Element Allocation**
**Element**

	Percentage	Value
Depreciation (ownership)	20%	USD \$1,842.00/mo
Overhaul (ownership)	53%	USD \$4,881.30/mo
CFC (ownership)	11%	USD \$1,013.10/mo
Indirect (ownership)	16%	USD \$1,473.60/mo
Fuel (operating) @ USD 4.25	36%	USD \$11.46/hr

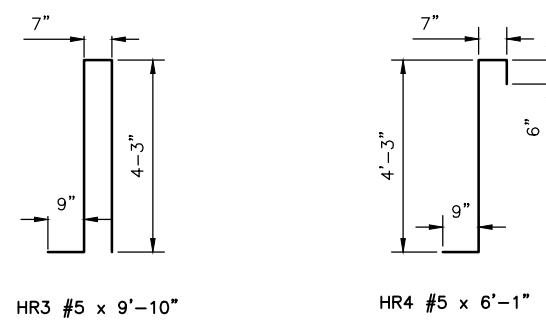
Revised Date: 2nd quarter 2023

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.

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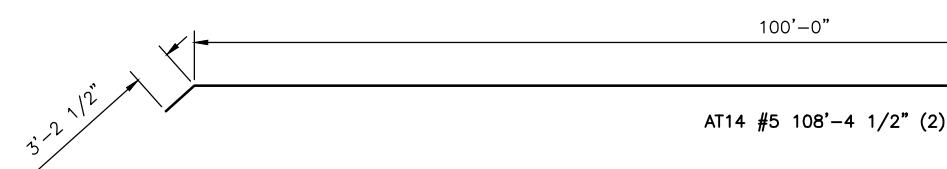


TOP REINFORCING DETAILS

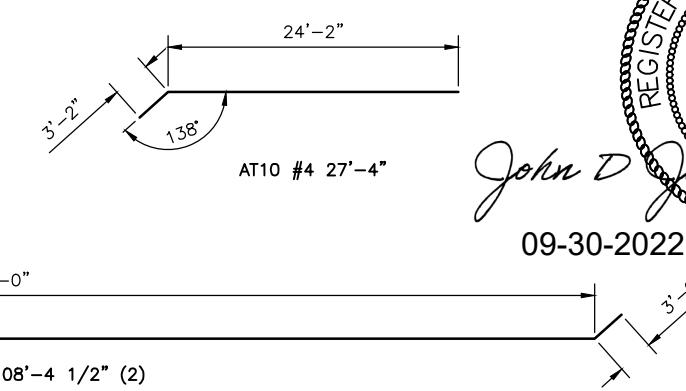


HR3 #5 x 9'-10"

HR4 #5 x 6'-1"



BOTTOM REINFORCING DETAILS



APPROACH SLAB NO. 1 BAR LIST				
MARK	SIZE	NO.	FORM	LENGTH
EPOXY COATED REINFORCING				
AL1	#4	84	STR.	27'-1"
AL2	#4	40	STR.	36'-3"
AL3	#4	22	STR.	30'-7" AVG. 21'-2" TO 40'-0"
AL4	#4	18	STR.	13'-2" AVG. 5'-7" TO 20'-9"
AL5	#4	4	STR.	4'-9"
AL6	#4	3	STR.	34'-11"
AL7	#4	17	STR.	27'-11 1/2" AVG. 21'-0" TO 34'-11"
AL8	#4	20	STR.	12'-3" AVG. 4'-0" TO 20'-6"
(1) AL9	#4	4	STR.	100'-5"
(1) AL10	#4	32	STR.	46'-7 1/2" AVG. 33'-0" TO 60'-3"
(1) AL11	#4	4	STR.	32'-1"
(1) AL12	#4	43	STR.	81'-1 1/2" AVG. 62'-9" TO 99'-6"
AT1	#4	157	STR.	18'-9"
AT2	#4	83	STR.	21'-1"
AT3	#4	14	STR.	10'-6" AVG. 3'-5" TO 17'-7"
AT4	#4	15	STR.	9'-8 1/2" AVG. 1'-10" TO 17'-7"
AT5	#4	17	STR.	11'-1" AVG. 2'-1" TO 20'-1"
AT6	#4	16	STR.	9'-3 1/2" AVG. 1'-7" TO 17'-0"
AT7	#4	1	BNT.	24'-0"
AT8	#4	1	STR.	25'-0"
AT9	#4	1	STR.	28'-5"
AT10	#4	1	BNT.	27'-4"
(1) AT11	#4	33	STR.	82'-5"
AT12	#4	16	STR.	68'-4 1/2" AVG. 60'-0" TO 76'-9"
AT13	#4	50	STR.	31'-6" AVG. 4'-3" TO 58'-9"
(2) AT14	#5	1	BNT.	108'-4 1/2"
HR3	#5	133	BNT.	9'-10"
HR4	#5	133	BNT.	6'-1"
SR1	#5	411	BNT.	4'-1"

(1) INCLUDES 1 - 1'-8" LAP  
(2) INCLUDES 1 - 2'-2" LAP

REGISTERED PROFESSIONAL ENGINEER  
John Derek Jackson  
18301  
OKLAHOMA  
09-30-2022

23RD STREET CITY OF BROKEN ARROW  
Bridge A - 23rd St. Over B.A. Expressway  
APPROACH SLAB NO. 1 DETAILS  
J/P NO. 26308(04) SHEET NO. B028

### APPROACH SLAB NO. 2 BAR LIST

MARK	SIZE	NO.	FORM	LENGTH	LENGTH VARIATION
<b>EPOXY COATED REINFORCING</b>					
AL1	#4	84	STR.	27'-1"	
AL2	#4	44	STR.	34'-9"	
AL3	#4	20	STR.	27'-2" AVG.	18'-11" - 35'-5"
AL4	#4	17	STR.	12'-0" AVG.	5'-7" - 18'-5"
AL5	#4	4	STR.	4'-8"	
AL6	#4	18	STR.	28'-2" AVG.	19'-11" - 36'-5"
AL7	#4	20	STR.	10'-6½" AVG.	1'-7" - 19'-6"
AL8	#4	4	STR.	98'-9"	
AL9	#4	32	STR.	46'-6" AVG.	33'-0" - 60'-0"
AL10	#4	4	STR.	32'-1"	
(1) AL11	#4	42	STR.	81'-2" AVG.	62'-10" - 99'-6"
AL12	#4	4	STR.	36'-5"	
AT1	#4	82	STR.	18'-8"	
AT2	#4	150	STR.	21'-2"	
AT3	#4	16	STR.	11'-8½" AVG.	3'-4" - 20'-1"
AT4	#4	19	STR.	11'-7½" AVG.	2'-1" - 21'-2"
AT5	#4	15	STR.	9'-10" AVG.	2'-1" - 17'-7"
AT6	#4	12	STR.	8'-7½" AVG.	2'-6" - 14'-9"
AT7	#4	1	BNT.	24'-0"	
AT8	#4	1	STR.	25'-0"	
AT9	#4	1	STR.	28'-4"	
AT10	#4	1	BNT.	27'-5"	
(1) AT11	#4	33	STR.	82'-4"	
(1) AT12	#4	16	STR.	70'-0½" AVG.	61'-8" - 78'-5"
(2) AT13	#4	50	STR.	31'-6½" AVG.	4'-2" - 58'-11"
AT14	#5	1	STR.	108'-4"	
HR3	#5	133	BNT.	9'-10"	
HR4	#5	133	BNT.	6'-1"	
SR1	#5	387	BNT.	6'-1"	

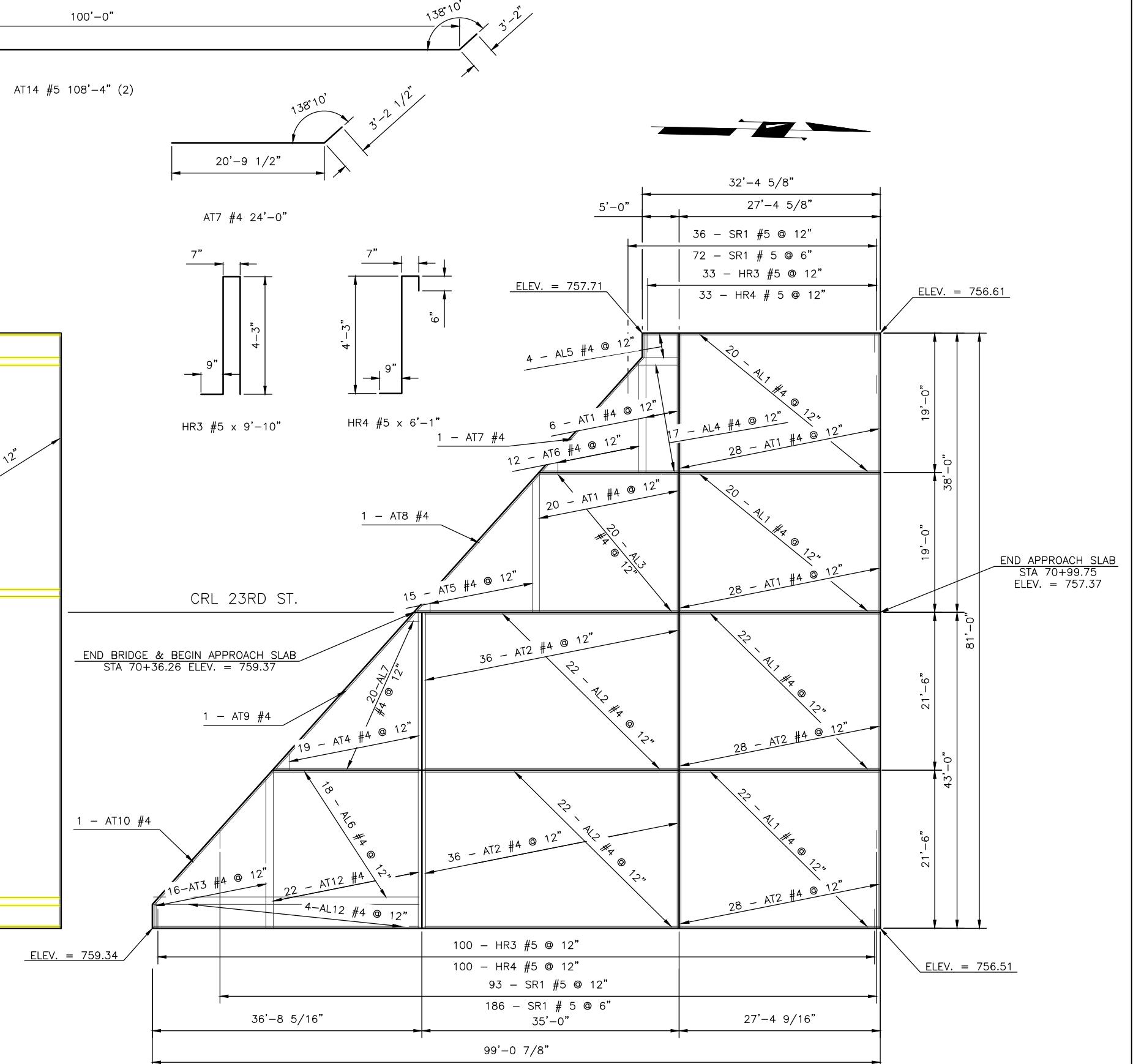
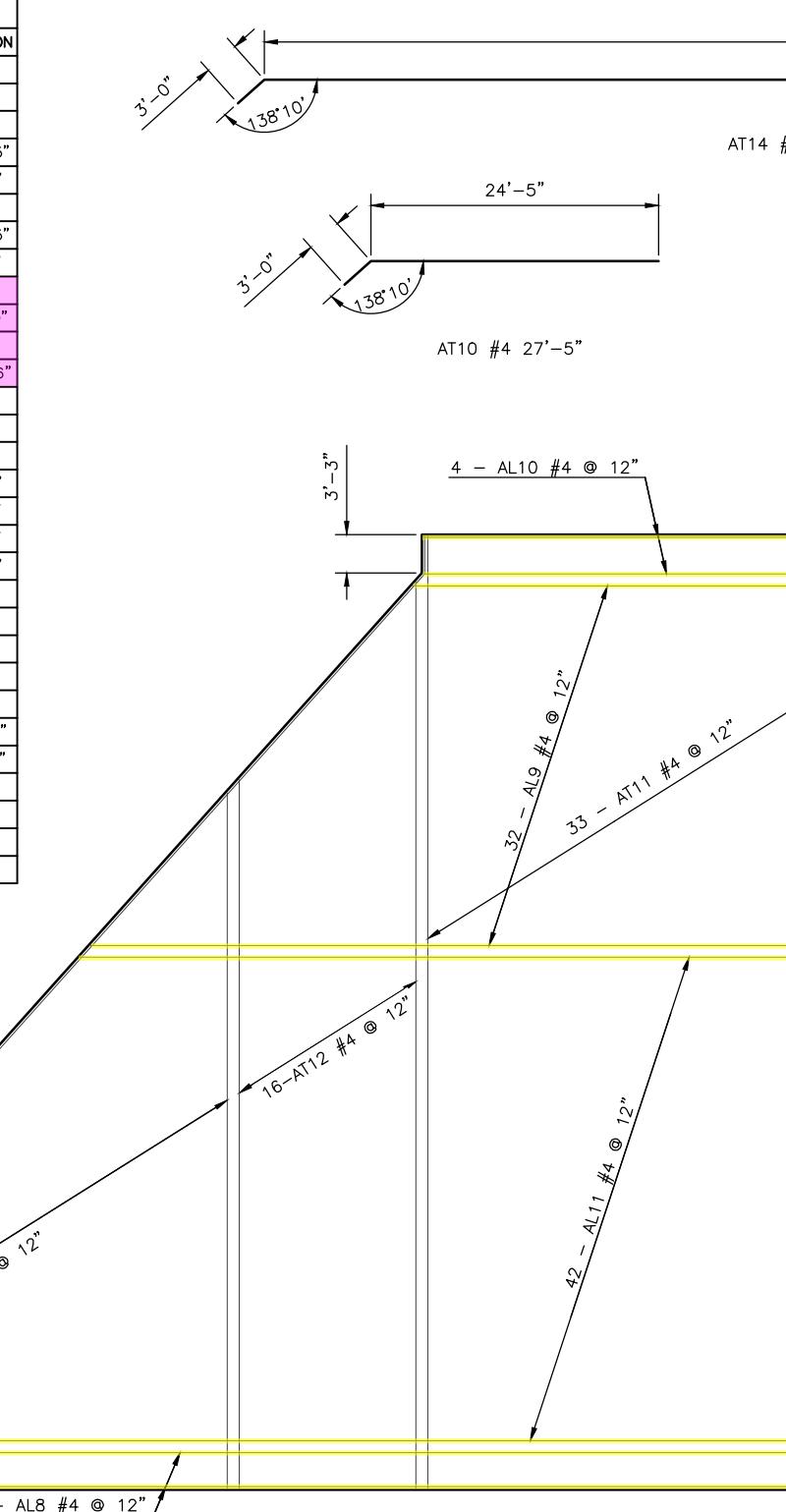
(1) INCLUDES 1 - 1'-8" LA

(2) INCLUDES 1 - 2'-2" LAR

## BOTTOM REINFORCING DETAIL

John D Jackson  
09-30-2022

09-30-2022



## TOP REINFORCING DETAIL

23RD STREET	CITY OF BROKEN ARROW
Bridge A - 23rd St. Over B.A. Expressway	
APPROACH SLAB NO. 2 DETAILS	
J/P NO. 26308(04)	SHEET NO. B029

### Approach Rebar Calculations

#	Bar	# of Bars	Plan Bar Size	As-Built Bar Size	Bar Length (ft)	Plan Bar Weight (lb/ft)	As-Built Bar Weight (lb/ft)	Total Plan Weight	Total As-Built Weight	Weight Difference	Page
1	AL9	4	#4	#9	100.417	0.688	3.4	276.3466667	1365.666667	1089.32	B028
2	AL10	32	#4	#9	46.625	0.688	3.4	1026.496	5072.8	4046.30	B028
3	AL11	4	#4	#9	32.083	0.688	3.4	88.29333333	436.33333333	348.04	B028
4	AL12	43	#4	#9	81.125	0.688	3.4	2400.002	11860.475	9460.47	B028
5	AL8	4	#4	#9	98.750	0.688	3.4	271.76	1343	1071.24	B029
6	AL9	32	#4	#9	46.500	0.688	3.4	1023.744	5059.2	4035.46	B029
7	AL10	4	#4	#9	32.083	0.688	3.4	88.29333333	436.33333333	348.04	B029
8	AL11	42	#4	#9	81.167	0.688	3.4	2345.392	11590.6	9245.21	B029
<b>Total</b>											<b>29,644.08</b>

\*Will pay delivered quantity - 29,016 lbs

## Bobby Williams

---

**From:** Chris Kinnamon <Chris.Kinnamon@sherwood.net>  
**Sent:** Monday, September 25, 2023 1:24 PM  
**To:** Bobby Williams  
**Cc:** Chris Vincent; Dylan Ingram; Todd Enlow  
**Subject:** (455)IG - Approach Slab Rebar  
**Attachments:** ABC Coating Approach 2 - Copy.pdf; ABC Coating Approach 1 - Copy.pdf

Bobby,

The totals for the approach slab reinforcement are below. Attached are the certifications for these.

	Delivered	Plan Table	Overrun
Approach 1	34,062 LBS	19,357 LBS	14,705 LBS
Approach 2	33,616 LBS	19,305 LBS	14,311 LBS
TOTAL	67,678 LBS	38,662 LBS	20,016 LBS

Typo: Correct QTY - 29,016 lbs

Due to the Reinforcing Steel being subsidiary to the Approach Slab, we are requesting an increase to the Epoxy Coated Reinforcing Steel item of 20,016 LBS.

Please review this information and let us know if you have any questions.

**Chris Kinnamon** Vice President



Tulsa Office 1640 S 101<sup>st</sup> E Ave, Tulsa OK 74128

OKC Office 1120 E Reno Ave. OKC, OK 73117

O 918-266-6861 | F 918-266-6482

[www.sherwoodcompanies.com](http://www.sherwoodcompanies.com)



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