

ATTACHMENT B
TERMS AND SIGNATURE SHEET

In compliance with this invitation for Bid Number **XX.XXX** and subject to all conditions thereof, the undersigned offers and agrees to furnish any or all items and/or services upon which prices are quoted, at the price quoted as specified.

My signature certifies that the accompanying bid is not the result of or affected by any act of collusion with another person or company engaged in the same line of business or commerce, or any act of fraud punishable under Federal, State, or City Law. Furthermore, I understand that fraudulent and collusive bidding is a crime under Federal, State, and City Law and can result in fines, prison sentences, and civil damage awards. I hereby certify that I am authorized to sign this bid for the bidder.

If you desire not to bid on this Invitation, forward your acknowledgement of "No Bid". Return of only the "Statement of No Interest Sheet" with authorized signature and indicate the reason for "No Bid". Failure to comply may be cause for removal of your company's name from the bid list for the subject commodity and/or service.

Complete Legal Name of Bidder: Marcus Sparling, President
Ellsworth Construction, LLC

Date: 05/21/2025

Company Name: Ellsworth Construction, LLC

Address: 1209 S Frankfort Ave, STE 400 Tulsa, OK 74120
City State Zip Code

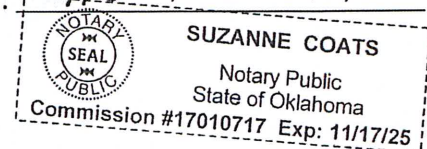
Email: msparling@ellsworthconstruction.com

Signature: [Signature] Official Title: President

Please print or type name clearly: Marcus Sparling

Telephone: 918 446 1500 Fax Number: 918 446 8198

Federal Tax ID Number: 201717097



Subscribed and sworn to before me this 21st day of May 2025

My Commission Expires: 11.17.2025 [Signature]
Notary Public (or Clerk or Judge)

THIS BID IS INVALID IF NOT SIGNED AND NOTARIZED BY AN AUTHORIZED AGENT

ATTACHMENT C
REFERENCES

SEE ATTACHED DOC. A305 for Statement of Qualifications
and References

Provide a listing of at least three (3) references, preferably school districts but certainly companies of similar size/volume, for whom you have provided these services within the last three (3) years.

(1) Customer Name: _____

Telephone: _____

Contact Name: _____

Title: _____

Address: _____

City

State

Zip Code

Email Address: _____

(2) Customer Name: _____

Telephone: _____

Contact Name: _____

Title: _____

Address: _____

City

State

Zip Code

Email Address: _____

(3) Customer Name: _____

Telephone: _____

Contact Name: _____

Title: _____

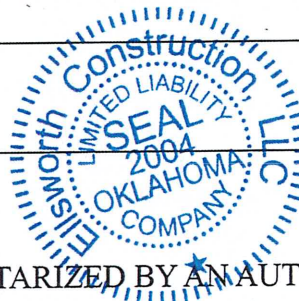
Address: _____

City

State

Zip Code

Email Address: _____



THIS BID IS INVALID IF NOT SIGNED AND NOTARIZED BY AN AUTHORIZED AGENT

Document A305

Contractor's Qualification Statement

SECTION 00191-TULSA PUBLIC SCHOOLS-PAVING AT VARIOUS SITES

The Undersigned certifies under oath that the information provided herein is true and sufficiently complete so as not to be misleading.

SUBMITTED TO: CITY OF BROKEN ARROW

NAME: ELLSWORTH CONSTRUCTION, LLC

ADDRESS: 1209 SOUTH FRANKFORT SUITE 400, TULSA, OK 74120

PRINCIPAL OFFICE: SAME AS ABOVE

☒ Corporation

☐ Partnership

☐ Individual

☐ Joint Venture

☐ Other

TYPE OF WORK (file separate form for each Classification of Work):

☐ General Construction

☐ HVAC

☐ Electrical

☐ Plumbing

☒ Other (please specify) CIVIL SITE WORK, ASPHALT & CONCRETE PAVING AND UTILITIES

§ 1. ORGANIZATION

§ 1.1 How many years has your organization been in business as a Contractor? 30 + Years

§ 1.2 How many years has your organization been in business under its present business name? 17 Years Under Current Corp Structure

§ 1.2.1 Under what other or former names has your organization operated?
Ellsworth Sealcoating, Inc.

§ 1.3 If your organization is a corporation, answer the following:

§ 1.3.1 Date of incorporation: December 2004

§ 1.3.2 State of incorporation: Oklahoma

§ 1.3.3 CEO: Nathan Ellsworth

§ 1.3.4 President's name: Marcus Sparling

§ 1.3.5 Secretary's name:

§ 1.3.6 Treasurer's name:

§ 1.4 If your organization is a partnership, answer the following:

§ 1.4.1 Date of organization:

§ 1.4.2 Type of partnership (if applicable):

§ 1.4.3 Name(s) of general partner(s)

§ 1.5 If your organization is individually owned, answer the following:

§ 1.5.1 Date of organization:

§ 1.5.2 Name of owner:

§ 1.6 If the form of your organization is other than those listed above, describe it and name the principals:

§ 2. LICENSING

§ 2.1 List jurisdictions and trade categories in which your organization is legally qualified to do business, and indicate registration or license numbers, if applicable.

N/A

§ 2.2 List jurisdictions in which your organization's partnership or trade name is filed.

Oklahoma

§ 3. EXPERIENCE

§ 3.1 List the categories of work that your organization normally performs with its own forces.

Dirt Excavation, Site Concrete, Site Asphalt, Underground Utilities, etc.

§ 3.2 Claims and Suits. (If the answer to any of the questions below is yes, please attach details.)

§ 3.2.1 Has your organization ever failed to complete any work awarded to it?

No

§ 3.2.2 Are there any judgments, claims, arbitration proceedings or suits pending or outstanding against your organization or its officers?

No

§ 3.2.3 Has your organization filed any lawsuits or requested arbitration regarding construction contracts within the last five years?

No

§ 3.3 Within the last five years, has any officer or principal of your organization ever been an officer or principal of another organization when it failed to complete a construction contract? (If the answer is yes, please attach details.)

No

§ 3.4 On a separate sheet, list major construction projects your organization has in progress, giving the name of project, owner, architect, contract amount, percent complete and scheduled completion date.

EXPO SQUARE	Crossland Construction	1,948,031
Gilcrease Museum Rd	City of Tulsa	998,898
COT Safety Training	Crossland Construction	2,135,875
Sapulpa Sports Complex	LD Kerns	231,150
COT Commanche Park	City of Tulsa	759,200
Scheels	Sampson	3,431,434
Bristow Airport	City of Bristow	600,000
Drumright PS Paving	Drumright Public Schools	238,791
ADA Runway Rehab	Delta	3,730,900

§ 3.4.1 State total worth of work in progress and under contract:

\$14,074,279

§ 3.5 On a separate sheet, list the major projects your organization has completed in the past five years, giving the name of project, owner, architect, contract amount, date of completion and percentage of the cost of the work performed with your own forces.

South Grand Lake Airport	City Of Ketchum	4,119,136	2019
R.L Jones Airport	Tulsa Airport Trust	3,200,000	2019
Prague Airport	City Of Prague	319,348	2019
Vinita Airport	City of Vinita	881,280	2019
COT MLK BLVD	City of Tulsa	4,704,000	2017-2018
COT Utica Street	City of Tulsa	4,351,000	2017-2018
Sulphur Airport	City of Sulphur	390,000	2017
Okmulgee Airport	City of Okmulgee	273,000	2017

§ 3.5.1 State average annual amount of construction work performed during the past five years:

23,500,000.00

§ 3.6 On a separate sheet, list the construction experience and present commitments of the key individuals of your organization.

Robert Ellsworth	Managing Member	30 Years Experience
Nathan Ellsworth	Managing Member	15 Years Experience
Cachi Mendoza	Asphalt Superintendent	15 Years Experience
Victor Mancilla	Utility Superintendent	15 Years Experience

§ 4. REFERENCES

§ 4.1 Trade References:

APAC Central, Inc	Steve Yocham	918-438-2020
Greenhill Materials, Inc.	Matt Ritchie	918-266-6861
Utility Supply Co	Shawn Kurtz	918-266-0209
Haskell Lemons	Burl Wilkins	405-388-7197
Yellowhouse Machinery	Jeff Shaw	918-245-8557

§ 4.2 Bank References:

FNBB	Donnie Cox	918-764-3428
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§ 4.3 Surety:

§ 4.3.1 Name of bonding company:

Mid-Continent Group	Mark Eastin IV	918-588-1262
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§ 4.3.2 Name and address of agent:

§ 5. FINANCING**§ 5.1 Financial Statement.**

§ 5.1.1 Attach a financial statement, preferably audited, including your organization's latest balance sheet and income statement showing the following items:

Current Assets (e.g., cash, joint venture accounts, accounts receivable, notes receivable, accrued income, deposits, materials inventory and prepaid expenses);

Net Fixed Assets.

Other Assets.

Current Liabilities (e.g., accounts payable, notes payable, accrued expenses, provision for income taxes, advances, accrued salaries and accrued payroll taxes);

Other Liabilities (e.g., capital, capital stock, authorized and outstanding shares par values, earned surplus and retained earnings).

§ 5.1.2 Name and address of firm preparing attached financial statement, and date thereof:

§ 5.1.3 Is the attached financial statement for the identical organization named on page one?

§ 5.1.4 If not, explain the relationship and financial responsibility of the organization whose financial statement is provided (e.g., parent-subsidary).

§ 5.2 Will the organization whose financial statement is attached act as guarantor of the contract for construction?

§ 6. SIGNATURE

§ 6.1 Dated at this 21ST day of May 20 25

Name of Organization: Ellsworth Construction, LLC

By: [Signature]
Marcus Sparling
Title: President of Construction

§ 6.2



Marcus Sparling, being duly sworn, deposes and says that the information provided herein is true and sufficiently complete so as not to be misleading.

Subscribed and sworn before me this 21st day of May 20 25

Notary Public:

My Commission Expires: 04/02/28





Ellsworth Construction, LLC
1209 S Frankfort Avenue, Suite 400
Tulsa, OK 74120
msparling@ellsworthinc.com
918.446.1500
May 22nd, 2025

SEE SUBMITTALS ON FOLLOWING PAGES



ELLSWORTH MATERIALS MIX COST SHEET

ODOT S3 Recycle PG 64-22

Date:	5/20/2025	Project:	2025/2026 COBA Material Bid
A/C Content: VIRGIN	3.50%	Plant Location:	BROKEN ARROW PLANT
A/C Content: TOTAL	4.50%	Mix:	ODOT S3 Recycle PG 64-22
VIR AGG Content:	75.50%	Tax %:	0.000%
		Total Tons:	10,000

AGGREGATES			LIQUID ASPHALT / AC		
Pricing Good THRU:	6/1/2026		Pricing Good THRU:	6/30/2026	
Analysis Breakdown for:	100	Ton	Supplier:	ESTIMATED	\$ 548.48
Recycle Materials	20.00%	%	Mix Design AC Content:	4.50%	%
Virgin Aggregates	75.5	Ton	AC Content in RAP:	5.00%	%
			AC Content in RAS:	0.00%	%
Total Recycle in Aggregate	20.0	Ton	AC Quantity From RAP	1.00%	Ton
			AC Quantity From RAS	0.00%	Ton
Total Aggregate + Recycle	95.5	Ton	Total Virgin AC Quantity	3.50%	Ton

COST BREAKDOWN									
SOURCE	Description	Bin Splits	Neat Line Qty	Moisture Factor	Yield Factor	Projected Quantity	Material Unit Cost	Freight Unit Cost	Material Cost

RECYCLE MATERIALS									
ELLSWORTH BA	Fine RAP	20%	19.1	1.050	1.025	20.6	8.00	0.00	164
ELLSWORTH BA	1/2" RAP	0%	0.0	1.050	1.025	0.0	8.00	0.00	0
	RAS	0%	0.0	1.060	1.025	0.0	0.00	0.00	0

VIRGIN AGGREGATES									
APAC	1" Rock #67 Stone	22%	21.0	1.030	1.020	22.1	9.40	7.04	363
APAC	1/2" CHIPS	13%	12.4	1.030	1.020	13.0	9.50	7.04	216
APAC	SCREENINGS	10%	9.6	1.030	1.020	10.0	6.50	7.04	136
APAC	MAN SAND	25%	23.9	1.030	1.020	25.1	7.25	7.04	358
APAC	WASHED SAND	10%	9.6	1.040	1.020	10.1	13.25	7.04	206
WMD	DRAG SAND	0%	0.0	1.040	1.020	0.0	7.25	24.50	0
			0.0			0.0			0
			0.0			0.0			0
			0.0			0.0			0
			0.0			0.0			0
			0.0			0.0			0
			0.0			0.0			0

BIN SPLIT TOTAL	100%	95.50			100.92				
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LIQUID ASPHALT									
GRADE	PG64-22	3.50	1.00	1.030	3.605	548.48	10.00		2,013
	TOTALS	99.00			104.52				3,456

COMMENTS

MATERIAL COST/TON		34.91
FIXED COST	\$	12.00
QUALITY CNTRL	\$	-
COMMENTS +/-	\$	-
SUBTOTAL	\$	46.91
% MARGIN		19.12%
MARGIN / TON	\$	11.090
MIX PRICE / TON	\$	58.00
TAX %	0.00%	\$ -
TOTAL \$/TON	\$	58.00



ELLSWORTH MATERIALS MIX COST SHEET

ODOT S4 Recycle PG 64-22

Date:	5/20/2025	Project:	2025/2026 COBA Material Bid
A/C Content: VIRGIN	3.85%	Plant Location:	BROKEN ARROW PLANT
A/C Content: TOTAL	5.10%	Mix:	ODOT S4 Recycle PG 64-22
VIR AGG Content:	69.90%	Tax %:	0.00%
		Total Tons:	10,000

AGGREGATES			LIQUID ASPHALT / AC		
Pricing Good THRU:	6/1/2026		Pricing Good THRU:	6/30/2026	
Analysis Breakdown for:	100	Ton	Supplier:	ESTIMATED	\$ 548.48
Recycle Materials	25.00%	%	Mix Design AC Content:	5.10%	%
Virgin Aggregates	69.9	Ton	AC Content in RAP:	5.00%	%
			AC Content in RAS:	0.00%	%
Total Recycle in Aggregate	25.0	Ton	AC Quantity From RAP	1.25%	Ton
			AC Quantity From RAS	0.00%	Ton
Total Aggregate + Recycle	94.9	Ton	Total Virgin AC Quantity	3.85%	Ton

COST BREAKDOWN									
SOURCE	Description	Bin Splits	Neat Line Qty	Moisture Factor	Yield Factor	Projected Quantity	Material Unit Cost	Freight Unit Cost	Material Cost

RECYCLE MATERIALS									
ELLSWORTH BA	Fine RAP	25%	23.7	1.050	1.025	25.5	8.00	0.00	204
ELLSWORTH BA	1/2" RAP	0%	0.0	1.050	1.025	0.0	0.00	0.00	0
	RAS	0%	0.0	1.060	1.025	0.0	0.00	0.00	0

VIRGIN AGGREGATES									
APAC	#67 Rock	13%	12.3	1.030	1.020	13.0	9.50	7.04	214
APAC	1/2" CHIPS	14%	13.3	1.030	1.020	14.0	9.50	7.04	231
APAC	SCREENINGS	10%	9.5	1.030	1.020	10.0	6.50	7.04	135
APAC	MAN SAND	26%	24.7	1.030	1.020	25.9	7.25	7.04	370
APAC	WASHED SAND	12%	11.4	1.040	1.020	12.1	13.25	7.04	245
WMD	DRAG SAND	0%	0.0	1.040	1.020	0.0	7.25	24.50	0
			0.0			0.0			0
			0.0			0.0			0
			0.0			0.0			0
			0.0			0.0			0
			0.0			0.0			0
			0.0			0.0			0

BIN SPLIT TOTAL	100%	94.90			100.43				
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LIQUID ASPHALT									
GRADE	PG64-22	3.85	1.00	1.030	3.966	548.48	10.00		2,215
	TOTALS	98.75			104.39				3,615
								MATERIAL COST/TON	36.60

COMMENTS

FIXED COST	\$ 12.00
QUALITY CNTRL	\$ -
COMMENTS +/-	\$ -
SUBTOTAL	\$ 48.60
% MARGIN	21.60%
MARGIN / TON	\$ 13.391
MIX PRICE / TON	\$ 62.00
TAX %	0.00%
TOTAL \$/TON	\$ 62.00



Oklahoma Department of Transportation Mix Design Report

Asphalt Concrete, Type S4 (PG 64-22 OK) Mat'l. Code: asco012

Binder - Recycled ID: B2

(Design Type and Design Type ID)

(Material Full Name and Material Code)

APAC-Oklahoma P/S # m00552

S4qc0061202410

(Mix ID)

APAC Central #04053 (Tulsa, OK) - 600TPH PLANT ID # m00552-07

(Plant Name and Plant ID)

<u>Aggregate</u>	<u>Producer/Supplier</u>	<u>% USED</u>
3/4" Chips	APAC-Central, 46th St (NW pit Tulsa, OK) P/S # m001197201	13
1/2" Chips	APAC-Central, 46th St (NW pit Tulsa, OK) P/S # m001197201	14
Scrns.	APAC-Central, 46th St (NW pit Tulsa, OK) P/S # m001197201	10
Man. Sand	APAC-Central, 46th St (NW pit Tulsa, OK) P/S # m001197201	26
Sand	Holliday Sand & Gravel (Bixby, OK) P/S # m001997212	12
Fine R.A.P.	Contractor / Project Site P/S # Contractor	25

Asphalt Cement:

Asphaltic Cement Type PG 64-22 OK, acem003, Lion Oil Co. (Muskogee, OK), m00511

(Material Full Name, Material Code, Producer/Supplier Name, Producer/Supplier Code)

Producer/Supplier:

Requires Form 93-E0
signed by the Department
for production use.
-Oklahoma D.O.T. Materials-

Sieve Size	3/4" Chips	1/2" Chips	Scrns.	Man. Sand	Sand	Fine R.A.P.			Comb. Agg.	% Tol. (±)			
										JMF	Min.	Max.	
3/4 in (19 mm)	100	100	100	100	100	100			100	100	100	100	0
1/2 in (12.5 mm)	62	100	100	100	100	97			94	94	87	100	7
3/8 in (9.5 mm)	33	91	100	100	100	90			88	88	81	95	7
#4 (4.75 mm)	5	22	81	92	98	69			65	65	58	72	7
#8 (2.36 mm)	3	4	56	57	89	50			45	45	40	50	5
#16 (1.18 mm)	3	3	38	30	68	38			30	30	26	34	4
#30 (.600 mm)	3	3	28	17	40	29			20	20	16	24	4
#50 (.300 mm)	2	3	22	10	12	20			12	12	8	16	4
#100 (.150 mm)	2	2	17	7	1	14			8	8	5	11	3
#200 (.075 mm)	2.1	2.2	13.9	5.9	0.4	9.7			6.0	6.0	4.0	8.0	2
AC Content %						5.2			5.1	5.1	4.7	5.5	0.4

	<u>°F (°C)</u>	<u>Required</u>
Mix temperature @ discharge from mixer:	305 (152)	± 20 °F (± 10 °C)
Optimum roadway compaction temperature:	290 (143)	
Laboratory mixing temperature:	325 (163)	
Laboratory compaction temperature:	300 (149)	

Tests on Asphalt Cement	Found
Specific Gravity @ 77 ° F	1.0100

Requires Form 93-E0
signed by the Department
for production use.
-Oklahoma D.O.T. Materials

<u>Tests on Compressed Mixtures (@ Design AC)</u>			
		% Density	
	<u># Gyr.</u>	<u>of Gmm</u>	<u>% Density Required</u>
Nini	6	88.0	85.5 - 91.5
Ndes	50		96.0

<u>Tests on Aggregates</u>		<u>Required</u>		<u>Units</u>
Durability Index	69	40	min.	%
F.A.A. %U		N/A		%
Flat and Elongated		10	max.	%
Fractured Faces	100/100	85/80	min.	%
Insoluble Residue	2.5	N/A		%
LA Abrasion	29.7	40	max.	%
Micro-Deval	16.5	N/A		%
Permeability	2.1	12.5	max.	10 ⁻⁵ cm/s
Sand Equivalent	72	40	min.	%
IOC	0.14			%
Gse	2.669			
Gsb	2.626			
Specimen Weight	4700			g

Tests on Compressed Mixtures								
% Density								
%AC	Gmb	Gmm	of Gmm	% Density Required	% VMA	% VMA Required	% VFA	% VFA Required
4.6	2.338	2.482	94.2	Design / Field	15.1	Design / Field	61.6	% VFA Required
5.1	2.366	2.463	96.1	96.0 / 94.5 - 97.4	14.5	14.5 / 14.0	73.1	72 - 77
5.6	2.376	2.444	97.2		14.6		80.8	
ITS (PSI) 118.6 N/A min. TSR 0.87 0.80 / 0.75 min. (Design / Field) Compacted Wt. (lbs/sy/1" thick) = 108.3 @ 5.1 % Asphalt Content Dust Prop. 1.2 0.6 - 1.6 % New Asphalt								

Hamburg Rut Test Depth (mm)	7.51	12.50 max. @ 10,000 cycles
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MEETS SPECIFICATION REQUIREMENTS PER SPECIAL PROVISION 708-26(a-f) 09

Comments: CORRECTED (Aggregate source for APAC-Central (7204) changed to APAC-Central (7201))

Last Modified By: Schratwieser, Edward P. eschratw
(User Name and User ID)

Date: 1/13/2014
(mm/dd/yyyy)



ELLSWORTH MATERIALS MIX COST SHEET

ODOT S5 Recycle PG 64-22

Date:	5/20/2025	Project:	2025/2026 COBA Material Bid
A/C Content: VIRGIN	4.25%	Plant Location:	BROKEN ARROW PLANT
A/C Content: TOTAL	5.50%	Mix:	ODOT S5 Recycle PG 64-22
VIR AGG Content:	69.50%	Tax %:	0.000%
		Total Tons:	10,000

AGGREGATES			LIQUID ASPHALT / AC		
Pricing Good THRU:	6/1/20226		Pricing Good THRU:	6/30/2026	
Analysis Breakdown for:	100	Ton	Supplier:	ESTIMATED	\$ 548.48 \$
Recycle Materials	25.00%	%	Mix Design AC Content:	5.50%	%
Virgin Aggregates	69.5	Ton	AC Content in RAP:	5.00%	%
			AC Content in RAS:	0.00%	%
Total Recycle in Aggregate	25.0	Ton	AC Quantity From RAP	1.25%	Ton
			AC Quantity From RAS	0.00%	Ton
Total Aggregate + Recycle	94.5	Ton	Total Virgin AC Quantity	4.25%	Ton

COST BREAKDOWN									
SOURCE	Description	Bin Splits	Neat Line Qty	Moisture Factor	Yield Factor	Projected Quantity	Material Unit Cost	Freight Unit Cost	Material Cost

RECYCLE MATERIALS									
ELLSWORTH BA	Fine RAP	25%	23.6	1.050	1.025	25.4	8.00	0.00	203
ELLSWORTH BA	1/2" RAP	0%	0.0	1.050	1.025	0.0	0.00	0.00	0
	RAS	0%	0.0	1.060	1.025	0.0	0.00	0.00	0

VIRGIN AGGREGATES									
APAC	#67 Rock	0%	0.0	1.030	1.020	0.0	9.50	7.04	0
APAC	1/2" CHIPS	20%	18.9	1.030	1.020	19.9	9.50	7.04	328
APAC	SCREENINGS	5%	4.7	1.030	1.020	5.0	6.50	7.04	67
APAC	MAN SAND	40%	37.8	1.030	1.020	39.7	7.25	7.04	567
APAC	WASHED SAND	10%	9.5	1.040	1.020	10.0	13.25	7.04	203
WMD	DRAG SAND	0%	0.0	1.040	1.020	0.0	7.25	24.50	0
			0.0			0.0			0
			0.0			0.0			0
			0.0			0.0			0
			0.0			0.0			0
			0.0			0.0			0
			0.0			0.0			0

BIN SPLIT TOTAL	100%	94.50			99.98				
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LIQUID ASPHALT									
GRADE	PG64-22	4.25	1.00	1.030	4.378	548.48	10.00		2,445
	TOTALS	98.75			104.36				3,815

COMMENTS

MATERIAL COST/TON 38.63

FIXED COST	\$ 12.00
QUALITY CNTRL	\$ -
COMMENTS +/-	\$ -
SUBTOTAL	\$ 50.63
% MARGIN	23.29%
MARGIN / TON	\$ 15.372

MIX PRICE / TON	\$ 66.00
TAX %	0.00%
TOTAL \$/TON	\$ 66.00

APAC-Central, Inc. Mix Design

Mix Type S5 Binder
 Contractor PCSI
 Design No. COT-HO S5 Recycle
 Producer APAC-Central, Inc. @ Tulsa Oklahoma

MATERIAL	SOURCE	Pit No.	%USED
1/2" Chips	APAC-Central Tulsa,Ok	7201	20
Screenings	APAC-Central Tulsa,Ok	7201	5
Man Sand	APAC-Central Tulsa,Ok	7201	40
Sand	Holiday S&G Bixby,OK	7212	10
RAP	Contracor Project Site		25

Asphalt Cement PG 64-22 (AASHTO M 320) Holly Catoosa, OK 6.0

Sieve Size	1/2" Chips	Scrns	Man Sand	Sand	RAP	Combined Aggregate	Job Formula	JMF Tolerances
1/2"	100	100	100	100	100	100	100	+/- 0
3/8"	94	100	100	100	92	97	97	+/- 7
No. 4	21	81	93	99	73	74	74	+/- 7
No. 8	3	58	59	94	55	50	50	+/- 5
No.16	2	40	31	71	41	32	32	+/- 4
No. 30	2	29	16	43	31	20	20	+/- 4
No. 50	2	22	9	16	20	12	12	+/- 4
No. 100	2	17	5	2	13	7	7	+/- 3
No. 200	1.4	13.5	4.1	0.5	9.1	4.9	4.9	+/- 2

Asphalt Cement PG 64-22 (AASHTO M 320)

Optimum Roadway Compaction Temperature, F 305
 Mix Temperature @ Discharge from Mixer, F 325

Tests on Asphalt Cement:	Found	Tests on Aggregates:	Found	Required
Spec. Grav. @ 77 Deg F	1.01	Sand Equivalent	69	45 Min
		L.A. Abrasion	30.0	40 max
		Durability (DC)	69.0	40 Min.
		Insoluble Residue	N/A	40 Min
		Micro Deval	16.5	
		Permeability	4.9	12.5x10-5 cm/s Max
		Fractured Faces	100/100	85/80 Min
		IOC	0.14	
		Gse	2.645	
		Gsb	2.610	
		Specimen Wt	4700	

Tests on Compressed Mixtures (at Design AC Content)

	SGC	Dens. % of Gmm	Dens. % of Gmm Req'd
Nini	6	87.7	85.5-89.4
Ndes	50		96

Tests on Compressed Mixtures:

Percent Asphalt	Gmb	Gmm	Dens.% of Gmm	Dens.% Req'd Gmm	V.M.A. (%)	V.M.A. (Min. %)	%VFA	% VFA (Req'd)	% DP	% DP (Req'd)
5.5	2.282	2.429	93.9		17.4		0.65		1.0	
6.0	2.308	2.410	95.8	94.5-97.4	16.9	15.5	0.75	65-78	0.9	0.6-1.6
6.5	2.339	2.393	97.7		16.2		0.86		0.8	

Mix Layer Depth <4"
 TSR: 0.83 0.80 Min (0.75 Min. Field) Required
 Compacted Wt. 105.9 lbs/sy/1" thickness



ELLSWORTH MATERIALS MIX COST SHEET

ODOT S4 Insoluble

Date:	5/20/2025	Project:	2025/2026 COBA Material Bid
A/C Content: VIRGIN	5.30%	Plant Location:	BROKEN ARROW PLANT
A/C Content: TOTAL	5.30%	Mix:	ODOT S4 Insoluble PG 64-22
VIR AGG Content:	94.70%	Tax %:	0.000%
		Total Tons:	10,000

AGGREGATES			LIQUID ASPHALT / AC		
Pricing Good THRU:	6/1/20226		Pricing Good THRU:	6/30/2026	
Analysis Breakdown for:	100	Ton	Supplier:	ESTIMATED	\$ 548.48 \$
Recycle Materials	0.00%	%	Mix Design AC Content:	5.30%	%
Virgin Aggregates	94.7	Ton	AC Content in RAP:	5.00%	%
			AC Content in RAS:	0.00%	%
Total Recycle in Aggregate	0.0	Ton	AC Quantity From RAP	0.00%	Ton
			AC Quantity From RAS	0.00%	Ton
Total Aggregate + Recycle	94.7	Ton	Total Virgin AC Quantity	5.30%	Ton

COST BREAKDOWN									
SOURCE	Description	Bin Splits	Neat Line Qty	Moisture Factor	Yield Factor	Projected Quantity	Material Unit Cost	Freight Unit Cost	Material Cost

RECYCLE MATERIALS									
ELLSWORTH BA	Fine RAP	0%	0.0	1.050	1.025	0.0	8.00	0.00	0
ELLSWORTH BA	1/2" RAP	0%	0.0	1.050	1.025	0.0	0.00	0.00	0
	RAS	0%	0.0	1.060	1.025	0.0	0.00	0.00	0

VIRGIN AGGREGATES									
APAC	3/4" #67 Rock	21%	19.9	1.030	1.020	20.9	9.50	7.04	346
APAC	1/2" CHIPS	0%	0.0	1.030	1.020	0.0	9.50	7.04	0
APAC	SCREENINGS	24%	22.7	1.030	1.020	23.9	6.50	7.04	323
APAC	MAN SAND	17%	16.1	1.030	1.020	16.9	7.25	7.04	242
APAC	WASHED SAND	15%	14.2	1.040	1.020	15.1	13.25	7.04	306
WMD	MINE CHAT	23%	21.8	1.040	1.020	23.1	13.25	24.50	872
			0.0			0.0			0
			0.0			0.0			0
			0.0			0.0			0
			0.0			0.0			0
			0.0			0.0			0
			0.0			0.0			0

BIN SPLIT TOTAL	100%	94.70			99.86				
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LIQUID ASPHALT									
GRADE	PG64-22	5.30	1.00	1.030	5.459	548.48	10.00		3,049
	TOTALS	100.00			105.32				5,137
						MATERIAL COST/TON			51.37

COMMENTS

FIXED COST	\$ 12.00
QUALITY CNTRL	\$ -
COMMENTS +/-	\$ -
SUBTOTAL	\$ 63.37
% MARGIN	13.19%
MARGIN / TON	\$ 9.629
MIX PRICE / TON	\$ 73.00
TAX %	0.00%
TOTAL \$/TON	\$ 73.00

ATTACHMENT D
INTEREST AFFIDAVIT

The following affidavit is to accompany the proposal:

STATE OF: Oklahoma

COUNTY OF: Tulsa

Marcus Spauling, of lawful age, being first duly sworn, states that s(he) is the agent authorized by the bidder to submit the attached proposal. Affiant further states that no officer or employee of the City of Broken Arrow either directly or indirectly, owns a twenty-five percent (25%) interest in the bidder's business or such a percentage, which constitutes a controlling interest. Affiant furthers states that the following officers and/or employees of the City of Broken Arrow have some direct or indirect interest in the bidder's business:

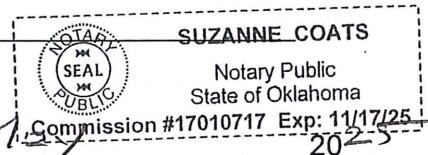
not applicable



For purposes of this affidavit, a direct or indirect interest is defined to include any relationship existing on the date of this affidavit, or which previously existed within the past year. Such an interest shall also be defined to include any business relationship between or among the proposed parties to the contract project and also to include any business relationship between the officers and directors of the proposed contracting parties of the project.

X [Signature]

Subscribed and sworn to before me this 21ST day of May, 2025



My Commission Expires: 11.17.2025

Suzanne Coats
Notary Public (or Clerk or Judge)

ATTACHMENT E
PROPOSAL AFFIDAVIT

The following affidavit is to accompany the proposal:

STATE OF: OKlahoma

COUNTY OF: Tulsa

Marcus Spauling, of lawful age, being first duly sworn, on oath says:

1. (S)he is the duly authorized agent of Ellsworth Construction, LLC, the proposer submitting the competitive offer which is attached to this statement, for the purpose of certifying the facts pertaining to the existence of collusion among proposer and between proposer and city officials or employees, as well as facts to pertaining to the giving or offering of things of value to government personnel in return for special consideration in the letting of any contract pursuant to the offer to which this statement is attached;

2. (S)he is fully aware of the facts and circumstances surrounding the making of the offer to which this statement is attached and has been personally and directly involved in the proceeding leading to the submission of such proposal; and

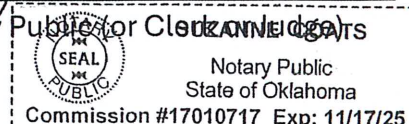
3. Neither the proposer nor anyone subject to the proposer's direction or control has been a party:

- a). to any collusion among proposers in restraint of freedom of competition by agreement to submit an offer at a fixed price or to refrain from submitting an offer, b).
- to any collusion with any city official or employee as to quantity, quality, or price in the prospective contract, or as to any other terms of such prospective contract, nor
- c). in any discussions between proposers and any city official concerning exchange of money or other things of value for special consideration in the letting of a contract.

X [Signature]

Subscribed and sworn to before me this 21ST day of May 2025

My Commission Expires: 11.17.2025 [Signature]
(Notary Public for Clerk of the Court)



THIS BID IS INVALID IF NOT SIGNED AND NOTARIZED BY AN AUTHORIZED AGENT