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.

from the bid list for the subject commodity and/or s		
Complete Legal Name of Bidder: <u>Ellexor+h</u> z	Construction	n,LLC_
Date: 05/21/2025 Company Name: Ellsworth Const		
Company Name: Elloworth Const	niction, LLG	2,
Address: 1209 5 Frankfort Ave, 57	£ 400 Tuls2,0	K 71/20
		Zip Gode
Email: Meperling a zlleworthing	3: 0	
Signature: OKLAHOMA	Title: Treside	= 72-
Please print or type name clearly:	Sparling	
Telephone: 918 4 4 6 15 0 0 11 11 Fax	Number:9169	
Federal Tax ID Number: 2017 17 097	Commission #1	SUZANNE COATS Notary Public State of Oklahoma 7010717 Exp: 11/17/25
Subscribed and sworn to before me this 21 day	y of May	20_25
My Commission Expires: 11.11.2025	Notary Public (or Cler	vata rk or Judge)

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:		
Telephone:		
Contact Name:		
Title:		
Address:	ostruci	7in Codo
City	State State	Zip Code
Email Address:	SENA 2004 OKLAHON	MA O

THIS BID IS INVALID IF NOT SIGNED AND NOTARIZED BY ANAUTHORIZED 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
[X] Corporation[] Partnership[] Individual[] Joint Venture[] Other
TYPE OF WORK (file separate form for each Classification of Work):
 [] General Construction [] HVAC [] Electrical [] Plumbing [X] 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.
NA CONTRACTOR OF THE CONTRACTO
§ 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?
§ 3.3 Within the last five years, has any officer or principal of your organization ever been an officer or principal or another organization when it failed to complete a construction contract? (If the answer is yes, please attach details.)
NO REPERMENTANT DE CARROLLE DE COMPANION DE LE COMPANION DE COMPANION DE LA CO
§ 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 R.L Jones Airport	City Of Ketchum Tulsa Airport Trust	4,119,136 3,200,000	2019 2019
Prague Airport Vinita Airport	City Of Prague City of Vinita	319,348 881,280	2019 2019 2017-2018
COT MLK BLVD COT Utica Street	City of Tulsa City of Tulsa	4,704,000 4,351,000	2017-2018 2017-2018 2017
Sulphur Airport Okmulgee Airport	City of Sulphur City of Okmulgee	390,000 273,000	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 Nathan Ellsworth Cachi Mendoza Victor Mancilla § 4. REFERENCES § 4.1 Trade References:	Managing Member Managing Member Asphalt Superintendent Utility Superintendent	30 Years Experience 15 Years Experience 15 Years Experience 15 Years Experience
APAC Central, Inc Greenhill Materials, Inc. Utility Supply Co Haskell Lemons Yellowhouse Machinery	Steve Yocham Matt Ritchie Shawn Kurtz Burl Wilkins Jeff Shaw	918-438-2020 918-266-6861 918-266-0209 405-388-7197 918-245-8557
§ 4.2 Bank References: FNBBA	Donnie Cox	918-764-3428
§ 4.3 Surety: § 4.3.1 Name of bonding company:		
Mid-Continent Group	Mark Eastin IV	918-588-1262

§ 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-subsidiary).

§ 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 2157 day of	May	20 25
By: Marcus Sparling Title: President of Construction § 6.2	Construction, LLC Const	10000000000000000000000000000000000000
	MPANY.	A.C.

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

Notary Public:

My Commission Expires:

D4 | 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



									G 64-22
Date:	0.20,202		2025/2026 COBA Material Bid						
A/C Content: VIRGIN	3.50%		Plant Lo	cation:		BROKEN ARROW PLANT			
A/C Content: TOTAL	4.50%		Mix: ODOT S3 Recycle						
VIR AGG Content:	75.50%		Tax %:	0.00	0%	Total	Tons:	10,	,000
AGGREGA	ATES					The state of the state of the state of		IALT /	
Pricing Good THRU:	6/1/20220	S			Pricin	ng Good Ti	HRU:		/2026
Analysis Breakdown for:	100	Ton		Supp		The state of the s	IATED	\$ 548.48	S
Recycle Materials	20.00%	%				esign AC C		4.50%	%
Virgin Aggregates	75.5	Ton				Content in		5.00%	%
						Content in		0.00%	% T
Total Recycle in Aggregate	20.0	Ton				antity From		1.00%	Ton
		_				antity From		0.00%	Ton
Total Aggregate + Recycle	95.5	Ton	. 1		Total V	irgin AC (Quantity	3.50%	Ton
		COST	BREAK	DOWN					
						Projecte	Material		
And the second second second second		Bin	Neat	Moisture	Yield	d	Unit	Freight	Material
SOURCE	Description	Splits	Line Qty	Factor	Factor	Quantity	Cost	Unit Cost	Cost
		_	LE MATI				0.00	0.00	164
ELLSWORTH BA	Fine RAP	20%	19.1	1.050	1.025	20.6		0.00	164
ELLSWORTH BA	1/2" RAP	0%	0.0	1.050 1.060	1.025 1.025	0.0	The second second second second	0.00	0
	RAS	078	0.0	1.000	1.025	0.0	0,00	0.00	
		VIRGIN	AGGRE	GATES	Service Commission of the				
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		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		24.50	0
			0.0			0.0		24 Sec. 10 Sec	0
			0.0			0.0			0
	Control of the Contro		0.0			0.0			0
	TOTAL TOTAL CONTRACTOR	selection of a	0.0			0.0		0.000	0
	7 (0.00)		0.0			0.0			0
			0.0						
			0.7.70	-		100.00	1	Г	
BIN SPLIT TOTAL	_	100%	95.50			100.92	l		
			JID ASPH	_					710
GRADE	PG64-22		3.50	1.00	1.030	3.605		10.00	2,013
	TOTAL	S	99.00			104.52		om/mohi	3,456
COMMENTS						MATE	RIAL CO	S1/TON	34.91
							FIXED (TOST I	S 12.00
								-	\$ -
							COMME	THE RESERVE OF THE PERSON NAMED IN	\$ -
									\$ 46.91
									19.12%
							% MARC		THE RESERVE THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER.
							MARGIN		\$ 11.090
							THE RESERVE TO A PERSON NAMED IN		\$ 58.00
						TAX %	0.0	0%	\$ -
							TOTAL	\$/TON	\$ 58.00
				THE STORY IN CO.					

Producer/Supplier:

Oklahoma Department of Transportation Mix Design Report

Asphalt Concrete, Type S3 (PG 64-22 OK) Mat'l. Code: asco009

(Material Full Name and Material Code)

Binder - Recycled ID: B2 (Design Type and Design Type ID)

APAC-Oklahoma P/S # m00552

S3qc0061202211 (MIX ID)

(Producer/Supplier Name and Producer/Supplier Code)

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

(Plant Name and Plant ID)

Aggregate	Producer/Supplier Producer/Supplier	% US
1" Rock	APAC-Central, 46th St (NW pit Tulsa, OK) P/S # m001197201	22
1/2" Chips	APAC-Central, 46th St (NW pit Tulsa, OK) P/S # m001197201	13
	APAC-Central, 46th St (NW pit Tulsa, OK) P/S # m001197201	10
Scrns.	APAC-Central, 46th St (NW pit Tulsa, OK) P/S # m001197201	25
Man. Sand	Holliday Sand & Gravel (Bixby, OK) P/S # m001997212	10
Sand Fine R.A.P.	Contractor / Project Site P/S # Contractor	20
Annhalt Comonts	Asphaltic Cement Type PG 64-22 OK, acem003, Lion Oil Co. (Muskogee, OK), m00511	ly, - y-de-
Asphalt Cement:	(Material Full Name, Material Code, Producer/Supplier Name, Producer/Supplier Code)	

APAC-Central, 46th St (NW pit Tulsa, OK) P/S # m001197201 Contractor / Project Site P/S # Contractor APAC-Central, 46th St (NW pit Tulsa, OK) P/S # m001197201 APAC-Central, 46th St (NW pit Tulsa, OK) P/S # m001197201 Holliday Sand & Gravel (Bixby, OK) P/S # m001997212 Requires Form 93-E0 signed by the Department for production use.

APAC-Central, 46th St (NW pit Tulsa, OK) P/S # m001197201 -Oklahoma D.O.T. Materials-% Fine Tol. Comb 1" Rock 1/2" Chips Scrns. Man. Sand Sand R.A.P. Min. Max. (±) Agg. JMF Sieve Size 100 0 100 100 100 100 100 1 in (25 mm) 100 100 100 100 100 100 98 98 91 100 100 100 100 3/4 in (19 mm) 93 7 95 88 81 100 100 97 88 1/2 in (12.5 mm) 46 100 100 92 80 80 73 87 100 100 100 3/8 in (9.5 mm) 22 94 7 60 60 53 67 73 93 100 #4 (4.75 mm) 4 21 81 5 42 42 37 47 55 59 94 #8 (2.36 mm) 2 3 58 28 28 24 32 4 #16 (1.18 mm) 2 2 40 31 71 41 14 22 4 18 18 #30 (.600 mm) 2 29 16 43 31 2 7 15 4 11 11 16 20 2 22 9 #50 (.300 mm) 2 3 3 9 2 13 6 6 17 5 2 #100 (.150 mm) 2 6.8 2 2.8 4.8 4.8 13.5 0.5 9.1 #200 (.075 mm) 1.5 1.4 4.1 4.9 4.8 AC Content %

°F (°C) Mix temperature @ discharge from mixer: 305 (152) Optimum roadway compaction temperature: 290 (143) Laboratory mixing temperature: 325 (163) 300 (149) Laboratory compaction temperature:

Required ± 20 °F (± 10 °C)

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

Tests on Compre	essed Mixtures (@ D	<u>Design AC)</u>	
		% Density	
	# Gyr.	of Gmm	% Density Required
Nini	6	88.1	85.5 - 91.5
Ndes	50		96.0

Tests on Aggre	gates	Requ	ired	<u>Units</u>
Durability Index	69	40	min.	%
F.A.A. %U		N/A		%
Flat and Elongated	0	10	max.	%
Fractured Faces	100/100	85/80	min.	%
Insoluble Residue	2.8	N/A		%
LA Abrasion	29.7	40	max.	%
Micro-Deval	16.5	N/A		%
Permeability	8.3	12.5	max.	10 ⁻⁵ cm/s
Sand Equivalent	81	40	min.	%
ioc	0.20			%
Gse	2.653			
Gsb	2.619			
Specimen Weight	4700			g

		Tests o	on Compressed Mixt	ures			
		% Density					
%AC	Gmb Gmm	of Gmm	% Density Required	% VMA	% VMA Required	% VFA	
4.3	2.340 2.480	94.4	Design / Fleld	14.5	Design / Field	61.4	% VFA Required
4.8	2.356 2.461	95.7	96.0 / 94.5 - 97.4	14.4	13.5 / 13.0	70.1	70 - 75
5.3	2.381 2.442	97.5		13.9		82.0	
			ITS (PSI) 108.1	N/A min.			
Dust Prop.			TSR 0.81	0.80/0	.75 min. (Design / F	ield)	•
1.3	Dust Prop. Reg.		Compacted Wt. (Ibs/sy	/1" thick) =	108.7 @	4.8	% Asphalt Cement
1.1	0.6 - 1.6					3.8	% New Asphalt Cemen
1.0							000

x 1st JMF Revision

Hamburg Rut Test Depth (mm)_ 12.50 max. @ 10,000 cycles 9.93

MEETS SPECIFICATION REQUIREMENTS PER SPECIAL PROVISION 708-26(a-f) 09
REVISED (AC) Effective 1/14/13 per contractor's request.

Comments: CORRECTED (Aggregate source for APAC-Central (7204) changed to APAC-Central (7201) Schratwieser, Edward P. eschratw Date:

Last Modified By: (User Name and User ID)

1/10/2014 (mm/dd/yyyy)



ODOT S4 Recycle PG 64-22

	***************************************								G 64-22	
Date:	5/20/202	5	Project:					Material Bi	d	
A/C Content: VIRGIN	3.85%		Plant Lo	cation:			ARROW			
A/C Content: TOTAL	5.10%		Mix:					PG 64-22	000	
VIR AGG Content:	69.90%		Tax %:	0.00	00%	Total	Tons:	10,000		
AGGREGA	ATES]	LIQUII	ASPHALT / AC			
Pricing Good THRU:	6/1/2022	6			Prici	ng Good Ti	HRU:	6/30	/2026	
Analysis Breakdown for:	100	Ton		Supp	olier:	ESTIM	IATED	\$ 548.48	S	
Recycle Materials	25.00%	%			Mix Do	esign AC C	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				iantity From		1.25%	Ton	
						antity Fron		0.00%	Ton	
Total Aggregate + Recycle	94.9	Ton	. !		Total V	irgin AC (Quantity	3.85%	Ton	
		COST	BREAK	DOWN		a layer to the				
		T T								
						Projecte	Material			
		Bin	Neat	Moisture	Yield	d	Unit	Freight	Material	
SOURCE	Description	Splits	Line Qty	Factor	Factor	Quantity	Cost	Unit Cost	Cost	
		DECVC	LE MATI	PIAIS						
ELLSWORTH BA	Fine RAP	25%		1.050	1.025	25.5	8,00	0,00	204	
ELLSWORTH BA	1/2" RAP	0%		1.050	1.025	0.0	0.00		0	
ELLSWORTH BA	RAS	0%		1.060	1.025	0.0	0.00		0	
				0.1000						
		_	AGGRE					504	21.4	
APAC	#67 Rock	13%		1.030	1.020	13.0	9,50		214 231	
APAC	1/2" CHIPS	14%		1.030	1.020		9.50	7.04	135	
APAC	SCREENINGS	10%		1.030	1.020	10.0 25.9	6.50 7.25	7.04	370	
APAC	MAN SAND	26%	24.7	1.030 1.040	1.020 1.020		13.25	7.04	245	
APAC	WASHED SAND	12% 0%		1.040	1.020	0.0	7.25	24.50	0	
WMD	DRAG SAND	076	0.0	1,040	1,020	0.0	,,	2 110 0	0	
			0.0			0.0			0	
	1 (1 (1 (1 (1 (1 (1 (1 (1 (1 (1 (1 (1 (1		0.0			0.0			C	
			0.0			0.0			0	
			0.0			0.0		•	0	
			0.0			0.0			0	
			<u> </u>							
BIN SPLIT TOTA	L	100%	94.90			100.43				
		LIQ	UID ASPH	ALT						
GRADE	PG64-22		3.85		1.030			10.00	2,215	
	TOTAL	S	98.75			104.39			3,615	
COMMENTS						MATE	RIAL CO	ST/TON	36.60	
							FIXED (TOST	\$ 12.00	
				1.0				Y CNTRL	\$ -	
							COMME	THE OWNER WHEN PERSON NAMED IN	\$ -	
								UBTOTAL	\$ 48.60	
								-	21.60%	
							% MARC			
					1		MARGIN	_	\$ 13.391	
				CONTRACTOR AND AND ADDRESS OF THE PARTY.	1		IX PRIC	CE/TON	\$ 62.00	
						E CONTRACTOR AND ADDRESS OF THE PARTY.		THE PARTY OF THE P		
						TAX %	0.0	00% , \$/TON	\$ - \$ 62.00	

Oklahoma Department of Transportation Mix Design Report

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

(Material Full Name and Material Code)

Binder - Recycled ID: B2 (Design Type and Design Type ID)

APAC-Oklahoma P/S# m00552

S4qc0061202410 (Mix ID)

(Producer/Supplier Name and Producer/Supplier Code)

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

Aggrag	ata					Producer/Suppl	ier	% USED
Aggreg 3/4" Ch				APAC-C	entral 46t	h St (NW pit Tulsa, 0		13
1/2" Ch				APAC-C	entral 46t	h St (NW pit Tulsa, 0	OK) P/S # m001197201	14
Scrns						h St (NW pit Tulsa, (10
Man. Sa			7			h St (NW pit Tulsa, 0		26
Sand				Hollie	P/S # m001997212	12		
Fine R.A							/S # Contractor	25
		Asnhalti	c Cement	Type PG 6	4-22 OK a	acem003. Lion Oil Co	o. (Muskogee, OK), m00511	
Asphalt Cemen				(Material Ful	4-22 OK, a li Name, Mate	acem003, Lion Oil Co erial Code, Producer/Suj	o. (Muskogee, OK), m00511 oplier Name, Producer/Supplier Code)	
Asphalt Cemen	APAC-Central, 46th St (NW pit Tulsa, OK) P/S # m001197201	APAC-Central, 46th St (NW pit Tulsa, OK) P/S # m001197201	APAC-Central, 46th CO St (NW pit Tulsa, OK) WW P/S # m001197201	APAC.Central, 46th WALL St (NW pit Tulsa, OK) PIS # m001197201 PIS B	Holliday Sand & National Holliday Sand & Oravel (Bixby, OK) W W Y W W W W W W W W W W W W W W W W	Contractor / Project Site PJS # Contractor C	Requires F signed by the for product -Oklahoma D.	Department ction use.

0.4

9.7

5.2

°F (°C) Required Mix temperature @ discharge from mixer: 305 (152) ± 20 °F (± 10 °C) Optimum roadway compaction temperature:

Laboratory mixing temperature: 290 (143) 325 (163) 300 (149) Laboratory compaction temperature:

13.9

5.9

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-

Tests on Compre	ssed Mixtures (@ D	esign AC)	
		% Density	
¥	# Gyr.	of Gmm	% Density Required
Nini		88.0	85.5 - 91.5
Ndes	. 50		96.0

2.1

3/4 in (19 mm)

1/2 in (12.5 mm)

3/8 in (9.5 mm)

#4 (4.75 mm)

#8 (2.36 mm)

#16 (1.18 mm)

#30 (.600 mm)

#50 (.300 mm)

#100 (.150 mm)

#200 (.075 mm)

AC Content %

2.2

Tests on Aggre	gates	Requ	ired	Units
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

6.0

4.0

8.0

				Tests	on Compressed Mixt	ures				
				% Density						
	%AC	<u>Gmb</u>	Gmm	of Gmm	% Density Required	%VMA	% VMA Required	% VFA		
	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.				
	Dust Prop.				TSR 0.87	0.80/0	.75 min. (Design / Fig	eld)		
	1.5	Dust Pro	p. Req.		Compacted Wt. (lbs/sy	/1" thick) =	108.3 @	5.1	% Asphalt Cer	
1	1.3	0.6 -	1.6					3.8	% New Aspha	It Cement
1	1.2									

12.50 max. @ 10,000 cycles

Hamburg Rut Test Depth (mm) 7.51 12.50 max. @

MEETS SPECIFICATION REQUIREMENTS PER SPECIAL PROVISION 708-26(a-f) 09

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

1/13/2014 Schratwieser, Edward P. eschratw Last Modified By: (mm/dd/yyyy)



ODOT S5 Recycle PG 64-22

Date:	5/20/202	5	Project:					Material Bio	_
A/C Content: VIRGIN	4.25%	J	Plant Lo	cation:			ARROW		
A/C Content: TOTAL	5.50%		Mix:	<u>Julioni</u>				PG 64-22	
VIR AGG Content:	69.50%		Tax %:	0.000%			Tons:		000
AGGREG	ATES					LIQUII	ASPE	IALT / A	AC
Pricing Good THRU:	6/1/2022	6			Prici	ng Good T	HRU:	6/30	/2026
Analysis Breakdown for:	100	Ton		Supp		ESTIM		\$ 548.48	S
Recycle Materials	25.00%	%	•			esign AC C	Content:	5.50%	%
Virgin Aggregates	69.5	Ton			AC (Content in	RAP:	5.00%	%
(11 g 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	07.0				AC (Content in	RAS:	0.00%	%
Total Recycle in Aggregate	25.0	Ton			AC O	antity From	n RAP	1.25%	Ton
Total Recopose in Lightenia						antity From		0.00%	Ton
Total Aggregate + Recycle	94.5	Ton				irgin AC (4.25%	Ton
		COST	BREAK	DOWN					
		COST	DREAK	DOWN					
						Projecte	Material		
		Bin	Neat	Moisture	Yield	d	Unit	Freight	Material
SOURCE	Description	Splits	Line Qty	Factor	Factor	Quantity	Cost	Unit Cost	Cost
		RECVC	LE MAT	ERIALS			-		
ELLSWORTH BA	Fine RAP	25%	_	-	1.025	25.4	8.00	0,00	203
	1/2" RAP	0%			1.025	0.0	0.00		0
ELLSWORTH BA	RAS	0%			1.025	0.0	0.00		0
				G L MPG					
	1	-	AGGRE		4 000	0.0	0.50	7.04	0
APAC	#67 Rock	0%			1.020		9.50 9.50		328
APAC	1/2" CHIPS	20%			1.020	19.9	6.50		67
APAC	SCREENINGS	5%		1.030	1.020	5.0	7.25	7.04	567
APAC	MAN SAND	40%		1.030	1.020	39.7 10.0	13.25	7.04	203
APAC	WASHED SAND	10%		1.040 1.040	1.020	0.0	7,25	24.50	0
WMD	DRAG SAND	076	0.0		1.020	0.0	7,23	2,,50	0
		200	0.0			0.0			0
			0.0			0.0			0
			0.0			0.0			0
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		0.0			0.0			C
			0.0			0.0			(
BIN SPLIT TOTA	L	100%	94.50			99.98			
	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	1.101	UID ASPI	TATT					
GRADE	PG64-22		4.25	7	1.030	4.378	548.48	10.00	2,445
UKADE	TOTAL		98.75	-	1.050	104.36	The state of the s		3,815
COMMENTS	TOTAL	3	70.75	ı			RIAL CO	ST/TON	38.63
				100		L			
							FIXED (COST	\$ 12.00
							QUALIT	Y CNTRL	s -
							COMME	NTS +/-	S -
							S	UBTOTAL	\$ 50.63
							% MAR	GIN	23.29%
							MARGIN	N/TON	\$ 15.372
事也没有1000000000000000000000000000000000000						M		E/TON	\$ 66.00
				1115	~	TAX %		00%	\$ -
						7727 70	200000000000000000000000000000000000000	\$/TON	\$ 66.00
				Aut 1947 1950 1950			IUIAL	PILUIY	00.00

APAC-Central, Inc. Mix Design

		05 D' - I		APAC-Cen	tral, Inc. I	Mix Design	Dooign No	COT	-HO S5 Red	cycle
Mix Type		S5 Binder PCSI				Producer	Design No	tral, Inc. @ Tu		
Contractor		PCSI				rioudcei	711 710 0011		0	Mar Living Street
	MATERIAL				SOURCE			Pit No.		%USED
	1/2"" Chips			APAC-Centra		Tulsa,Ok		7201		20
	Screenings			APAC-Centra		Tulsa,Ok		7201	The same of the sa	5
	Man Sand			APAC-Centra		Tulsa,Ok		7201		40
	Sand			Holiday S&G		Bixby,OK		7212		10
	RAP			Contracor Pro	oject Site			1.000		25
		24.00 / 440	LITO M 000	,	Llally		Cataosa	OK.		6.0
Asphalt Ce	ment PG	64-22 (AAS	HTO M 320)	Holly		Catoosa,	OK	The state of the s	0.0
Sieve	1/2"		Man					Combined	Job	JMF
Size	Chips	Scrns	Sand	Sand	RAP			Aggregate	Formula	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
		4-22 (AASH							6.0	+/- 0.4
•		mpaction Te scharge fror		F _ -	305 325	-		9/		+/- 20
Tests on As	sphalt Cem	ent:	Found	_			ggregates:			Required
Spec. Grav.	@ 77 Deg l	F	1.01			Sand Equiv		69		45 Min
						L.A. Abrasi		30.0 .		40 max
Tests on C	Compress			AC Content	t)	Durability (69.0		40 Min.
	<u>SGC</u>	Dens. %o	Dens. %of			Insoluble R		N/A		40 Min
		Gmm	Gmm Req			Micro Deva		16.5		
Nini	6	87.7	85.5-89.4			Permeabilit	ty	4.9		12.5x10-5
Ndes	50		96							cm/s Max
						Fractured F	aces	100/100		85/80 Min
						IOC		0.14		
						Gse		2.645		
						Gsb		2.610		
						Specimen '	₩t	4700		
			D 0/ -	Tests on Co			_	% VFA	% DP	% DP
Percent	Gmb	Gmm	Dens.% of	Dens.%	V.M.A.	V.M.A.	%VFA		/u Di	(Req'd)
Asphalt	0.000	0.400	Gmm	Req'd Gmm	(%)	(Min. %)	0.65	(Req'd) .	1.0	(1.04 0)
5.5	2.282	2.429	93.9	04 5 07 4	17.4	155	0.65	65-78	0.9	0.6-1.6
6.0	2.308	2.410	95.8	94.5-97.4	16.9	15.5		03-70	0.8	0.0-1.0
6.5	2.339	2.393	97.7		16.2		0.86		0.0	
Mix Layer I	Depth	<4"								
TSR:	-	0.83	0.80 Min (0.75 Min. Fie	ld) Requir	ed				
Compacted	d Wt.	105.9	lbs/sy/1" th	nickness						
			_							



ODOT S4 Insoluble

Deter	5/20/202	E	Project:			2025/202		Material Bi	
A/C Content: VIRGIN	5.30%	9	Plant Lo	cation:		BROKEN			
A/C Content: TOTAL	5.30%		Mix:	oution.				le PG 64-22	2
VIR AGG Content:	94.70%		Tax %:	0.00	00%		Tons:		,000
AGGREG	ATES	reconstruction control	Service Control of the Control	NO.		LIOUII	ASPH	IALT /	AC
Pricing Good THRU:	6/1/2022	6				ng Good T			/2026
Analysis Breakdown for:	100	Ton	ı	Supp		Water Contract	IATED	\$ 548.48	S
Recycle Materials	0.00%	%	•	Supp		esign AC C		5.30%	%
Virgin Aggregates	94.7	Ton				Content in		5.00%	%
Virgin Aggregates	74.7	1011				Content in		0.00%	%
Total Bassala in Aggregata	0.0	Ton				antity From	3 750 CO CO	0.00%	Ton
Total Recycle in Aggregate	0.0	TOIL				antity From		0.00%	Ton
Total Aggregate + Recycle	94.7	Ton				irgin AC (MANAGEMENT OF THE PARTY OF THE	5.30%	Ton
Total Tigglogate Titeoyolo	7	7011	•						
		COST	BREAK	DOWN				· ·	
						Projecte	Material		
		Bin	Neat	Moisture	Yield	d	Unit	Freight	Material
SOURCE	Description	Splits	Line Qty	Factor	Factor	Quantity	Cost	Unit Cost	Cost
		PECVC	LE MAT	CDIATE					
ELLSWORTH BA	Fine RAP	0%			1.025	0.0	8.00	0.00	0
ELLSWORTH BA	1/2" RAP	0%			1.025	0.0	0.00	-	0
LEGIS WORLD DA	RAS	0%			1.025	0.0	0.00		0
		VIDOR	N AGGRE	CATEC	P.320		A		
0202	3/4" #67 Rock	21%			1.020	20.9	9,50	7.04	346
APAC	1/2" CHIPS	0%	0.0		1.020	0.0	9.50		0
APAC APAC	SCREENINGS	24%			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%		A CONTRACTOR OF THE PARTY OF TH	1.020	23.1	13.25	24:50	872
	240 ag		0.0			0.0			C
			0.0			0.0			(
			0.0			0.0			. (
			0.0			0.0			(
			0.0			0.0			(
			0.0			0.0			C
		<u> </u>							
BIN SPLIT TOTA	L	100%	94.70			99.86			
		LIQU	JID ASPI				81		
GRADE	PG64-22		5.30		1.030		548.48	10.00	3,049
	TOTAL	S	100.00]		105.32	7717.60	om/moxi	5,137
COMMENTS				- 经金额证据		MATE	RIAL CO	S1/ION	51.37
							FIXED (COST	\$ 12.00
							QUALIT	Y CNTRL	S -
							COMME	NTS +/-	\$ -
							S	UBTOTAL	\$ 63.37
							% MAR	GIN	13.19%
							MARGIN	N/TON	\$ 9.629
						M	IX PRIC	CE/TON	\$ 73.00
						TAX %	0.0	10%	\$ -
						HISTORY OF THE STREET,	TOTAL	\$/TON	\$ 73.00
Half St. Committee of the section of		**************************************		· 电电影图象 数据				J _ CA1	7 7500

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Oklahoma Department of Transportation Mix Design Report

ORAHOMA	Oklanoma Department o	. Handbertanen inne zeer 3
Asphalt Concrete, Type S4 (PG 64-22 OK)	Mat'l. Code: asco012	Insoluble ID: I1
(Material Full Name and M		(Design Type and Design Type ID)

APAC-Oklahoma P/S # m00552

S4qc0062300100

(Producer/Supplier Name and Producer/Supplier Code)

(Mix ID)

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

	(Plant Nam	e and Plant l	ID)								
Aggreg	ate					ucer/Supplier		744000			SED
3/4" Ch	ips				Central, 46th St (NW		# m0011972			2	
Man. Sa	and		APAC-Central, 46th St (NW pit Tulsa, OK) P/S # m001197201								7
Scms	MEN'S TO THE STATE OF		APAC-Central, 46th St (NW pit Tulsa, OK) P/S # m001197201								24
Sand			7	Hol	iday Sand & Gravel	(Bixby, OK) P/S#m	001657231				5
Mine C	hat			Ç.	Mine Chat @ Tri (City Area P/S # Mine	Chat			2	23
Asphalt Cemen	t	Asphal	tic Cement	Type PG 6	34-22 OK, acem003,	HollyFrontier (Catoos Producer/Supplier Name,	a, OK), m01	028	A		
Producer/Supplier:	APAC-Central, 46th St (NW pit Tulsa, OK) P/S # m001197201	APAC-Central, 46th St (NW pit Tulsa, OK) P/S # m001197201	APAC-Central, 46th St (NW pit Tulsa, OK) P/S # m001197201	Holliday Sand & Gravel (Bixby, OK)	Mine Chat @ Tri City Area PIS# MineChat		Re sign	equires ed by t or prod homa (Form he Dep uction	artme use.	als-
	3/4"	Man.	Scrns.	Sand	Mine Chat		Comb.				To
Sieve Size	Chips	Sand	Francisco et				Agg.	JMF	Min.	Max.	- (

	N.	' ()	.00			-1 ;				%
Sieve Size	3/4" Chips	Man. Sand	Scrns.	Sand	Mine Chat	Comb. Agg.	JMF	Min.	Max.	To! (±)
3/4 in (19 mm)	100	100	100	100	100	100	100	100	100	0
1/2 in (12.5 mm)	57	100	100	100	100	91	91	84	98	7
3/8 in (9.5 mm)	27	100	100	100	100	85 I	85	78	92	7
#4 (4.75 mm)	4	80	83	99	48	60	60	53	67	7
#8 (2.36 mm)	4	45	58	91	10	38	38	33	43	5
#16 (1.18 mm)	4	23	42	72	3	26	26	22	30	4
#30 (.600 mm)	3	12	31	43	2	17	17	13	21	4
#50 (.300 mm)	3	7	24	9	1 1	9 !	9	5	13	4
#100 (.150 mm)	3	5	18	1	1 1	6	6	3	9	3
#200 (.075 mm)	2.7	4.4	14.7	0.4	0.7	5.1	5.1	3.1	7.1	2
Content %	2.1	7.7	1-4.7	5.4	"	5.3	5.3	4.9	5.7	0.

Mix temperature @ discharge from mixer: Optimum roadway compaction temperature: Laboratory mixing temperature: Laboratory compaction temperature:

Required 305 (152) ± 20 °F (± 10 °C) 290 (143)

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

300 (149) Requires Form 93-E0 signed by the Department for production use. -Okiahome D.O.T. Materials-

°F (°C)

325 (163)

Tests on Co	ompressed I	Mixtures (@ D	esign AC)	
The second			% Density	
		# Gyr.	of Gmm	% Density Required
Nini		6	87.7	85.5 - 91.5
Ndes		50		96.0

Tests on Aggre	gates	Regu	ired	Units
Contabro	68.0	N/A		%
Durability Index	68	40	min.	%
F.A.A. %U		N/A		%
Flat and Elongated		10	max.	%
Fractured Faces	100/100	85/80	min.	%
Insoluble Residue	38.7	30	min.	%
LA Abrasion	23	40	max.	%
Micro-Deval	14.9	N/A		%
Permeability	0.8	12.5	max.	10 ⁻⁵ cm/s
Sand Equivalent	76	40	min.	%
IOC	0.34			%
Gse	2.643			
Gsb	2.586			
Specimen Weight	4700			g

			Tests	on Compressed Mixt	ures			
			% Density					
%AC	Gmb	<u>Gmm</u>	of Gmm	% Density Required	% VMA	% VMA Required	% VFA	
4.8	2.315	2.453	94.4	Design / Field	14.8	Design / Field	62.2	% VFA Required
5.3	2.335	2.434	95.9	96.0 / 94.5 - 97.4	14.5	14.5 / 14.0	71.7	72 - 77
5.8	2.344	2.416	97.0		14.6		79.5	
<u>Dust Prop.</u> 1,3 1.1 1.0	<u>Dust Pro</u> 0.6 -			ITS (PSI) 114.4 TSR 0.87 Compacted Wt. (lbs/sy	/1" thick) =		5.3	% Asphalt Cemer
				Hamburg Rut Test De	epth (mm)	5.57 12.50	max. @ 10	0,000 cycles

	MEETS SPECIFICATION REQUIREMENTS PER SPEC	IAL PROVISION 708-26(a-f) 09	_
Comments:			
Last Modified By:	Smith, Jerry D. jsmith	Date: 1/11/2023	_
-	(Hear Name and Hear ID)	(mm/dd/vvvy)	

ATTACHMENT D INTEREST AFFIDAVIT

The following affidavit is to	accompany the proposal:

STATE OF: OKlahoma _____, 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: 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. SUZANNE COATS Notary Public State of Oklahoma Subscribed and sworn to before me this $\frac{21^{57}}{2}$ My Commission Expires: 11.17.2025

Notary Public (or Clerk or Judge)

ATTACHMENT E PROPOSAL AFFIDAVIT

The following affidavit is to accompany the proposal:

STATE OF: OKIShoma	
COUNTY OF: Lulsa	•
Marcus Spauling, of lawful age, booth says:	eing first duly sworn, or
oath says.	
1. (S)he is the duly authorized agent of Ellsworth Construction proposer submitting the competitive offer which is attached to purpose of certifying the facts pertaining to the existence of collust between proposer and city officials or employees, as well as facts or offering of things of value to government personnel in return for the letting of any contract pursuant to the offer to which this state	o this statement, for the sion among proposer and to pertaining to the giving r special consideration ir
2. (S)he is fully aware of the facts and circumstances surrounding which this statement is attached and has been personally and proceeding leading to the submission of such proposal; and	
3. Neither the proposer nor anyone subject to the proposer's direct party:	tion or control has been a
 a). to any collusion among proposers in restraint of free agreement to submit an offer at a fixed price or to refrain from to any collusion with any city official or employee as to que the prospective contract, or as to any other terms of such c). in any discussions between proposers and any city official or money or other things of value for special consideration in 	om submitting an offer, b) antity, quality, or price in prospective gentract, no cial concerning exchange name terms of a contract
x	OKLAHOMA COMPANT OF
Subscribed and sworn to before me this 21 day of May	20 25
! ! / " \	Lasts or Cloukeannielogoa)ts
(SEAL)	Notary Public State of Oklahoma

Commission #17010717 Exp: 11/17/25