CITY OF ADA, PURCHASING
512 North Stockton Street
Ada, Oklahoma 74820
580/436-6300 x256 Fax 580/436-8044

BID PROPOSAL

November 16, 2022

Bid Proposal: **23-96-08 Service: READY MIX CONCRETE**
Bid Opening: **December 8, 2022 @ 9:00a.m. at City of Ada Irving Community Center, 530 West 5th St., Ada, OK.**
Mailing Address: **City of Ada – Purchasing, 512 N. Stockton, Ada, OK 74820**
Published: **Ada Evening News, November 17 & 23, 2022**

NOTICE IS HEREBY GIVEN THAT:
The City of Ada, Oklahoma and its agencies/authorities herein called (BUYER) will receive **SEALED BIDS** as listed above at which time said bids will be opened and read aloud.

GENERAL CONDITIONS

01. Bidders must complete and submit bid on the provided bid documents. Duplication of bid documents is authorized.
02. Bids must be submitted in a sealed envelope clearly marked "**SEALED BID**" and bear the bid number, item, and bidder's name. Bids improperly marked, submitted, and/or received after the bid opening may be rejected unless lateness is due to other than the bidder's fault -- such as mail or delivery errors. **FAX bids are not acceptable**.
03. The BUYER is an Equal Opportunity Employer and purchases only from those that comply with applicable Equal Opportunity Provisions. Non-compliance will result in rejection of bids and/or breach of contract.
04. **The bid amount must be FOB -- Ada, OK and exclude all taxes**.
05. Unless so stated, bids will be evaluated by Life Cycle Cost and will be awarded on a "Best Buy" basis as determined by the BUYER.
06. Offer Period – 30 days after the bid opening unless so stated. Formal acceptance will be by receipt of a valid purchase order issued by the BUYER within the offer period.
07. **PAYMENT** -- Full payment will be made approximately 3 weeks AFTER receipt and acceptance of the goods/services and required documents.
08. The BUYER reserves the right to negotiate changes/alterations/quantities to the base bid with the low bidder.
09. The BUYER reserves the right to waive any informality in the bidding process and/or reject all bids.
10. Mistakes, Errors, Bid Withdrawal, or Adjustments.
    A. Prior to bid opening, bidders may withdraw or alter their bids or submit adjustments or attachments provided the total bid amount is not revealed and it does not provide an unfair advantage to the bidder.
    B. After bid opening, only corrections of obvious errors will be accepted.
11. Bond Requirements: None
12. **Insurance Requirements: Within 10 work days of awarding of this contract, the Successful bidder must:**
    A. Provide evidence of Workman's Compensation Insurance per Oklahoma statues.
    B. Provide evidence of Vehicle Liability Insurance per Oklahoma statues.
    C. Provide evidence of $1,000,000 liability insurance naming the City of Ada as co-insured.
13. Bid Documents: Bid Notice, Bid Proposal Form, and Detailed Specifications.

Pamela McKinzie, Purchasing Director

BID PROPOSAL: READY-MIXED CONCRETE
Bid #23-96-08

Submitted by: _____

Submitted to: **CITY OF ADA, OKLAHOMA,** Purchasing Department, 512 North Stockton, Ada, OK 74820
Before 8:45 a.m. CT, December 8th, 2022
Bid Opening: December 8, 2022 **@ 9:00 a.m. at City of Ada Irving Community Center, 530 West 5th St., Ada, OK**

This is a formal bid proposal submitted by the bidder to the City of Ada, Oklahoma and its agencies/authorities herein called (BUYER), as a legal offer. When properly accepted by an authorized agent of the BUYER, it shall constitute a firm and binding contract between these two parties in accordance to the conditions and specifications stated and/or implied within the bid documents.

PURPOSE:
This bid is intended to provide FIXED prices for various mixes of Ready Mixed Concrete for a six-month period, commencing upon January 1, 2023 and ending on June 30, 2023, or at which time the next 6 month contract is awarded and approved by council.

Mix design and Prices are listed on the attached form. This form must be completed. The mix portion of this form will be confidential and used by BUYER personnel for official purposes only the price portion will be public record.

SPECIFICATIONS:

1. Contract Period: Six-month period, commencing upon **January 1, 2023** and ending on **June 30, 2023**, or **at which time the next 6 month contract is awarded and approved by council.**
2. Concrete will be ordered by quantity, class, slump, additives (if any) and required delivery time. The supplier must advise the buyer if delivery can not be provided as requested.
3. Concrete will be ordered in quantities of .5 cubic yard or greater for delivery between 7 a.m. and 5 p.m. Monday through Friday, except for emergencies or prior arrangements.
4. WHEN POSSIBLE, concrete will be ordered a minimum of one hour prior to required delivery.
5. Late deliveries and/or incorrect orders (class, slump, quantity, etc.) are just cause to cancel or reject orders and/or remove the supplier from the bidder's list for future services.
6. Concrete will be purchased from the supplier that offers the best products/services at best price. Include any fees in the concrete price given on the price form (Does not include Below (3) yd^3 Minimum Order Fee). Concrete mix designs shall be proportioned to insure acceptable workability and meet strength, durability, and uniformity requirements of ODOT specifications or standard practices.
7. Concrete not meeting the specifications will be subject to legal recourse and removal from the bidder's list.
8. The buyer reserves the right to purchase concrete from other suppliers when considered in the best interest of the buyer if delivery can not be provided as requested; in the event the primary supplier(s) can not provide the required product or service.
9. Complete the attached form. The mix design portions will be held in confidence. The dollar amounts will be public record.

PORTLAND CEMENT CONCRETE

These specifications cover materials, classifications, mix designs, proportioning, and testing of Portland cement concrete. All concrete shall be air entrained unless otherwise shown on the plans.

The 2009 Edition of the Oklahoma Department of Transportation Standard Specifications for Highway Construction govern, approved by the U.S. Department of Transportation, Federal Highway Administration, January 4, 2010. All references to the Oklahoma Department of Transportation Commission pertaining to the 2009 Specifications and Standards shall be interpreted to mean the City of Ada. All references to the "Engineer" in the Oklahoma Department of Transportation specifications shall be revised to read the "City of Ada - Public Works Director", or his designee. All references to the "State", "Department", "Highway Department" or "Transportation Commission" shall be interpreted to be "the City of Ada - Public Works Division" or "City of Ada" as applicable. Within these specifications the 2009 Edition of the Oklahoma Department of Transportation Standard Specifications for Highway Construction shall hereinafter be referred to as the "2009 ODOT Specs", and the City of Ada shall hereinafter be referred to as the "City".

Mix Design and Proportioning

A) Classes of Concrete

The following 2009 ODOT Specs classes of concrete shall be used by the City:

Table 1: Concrete Classes

Minimum 28-day Compressive Strength Class(psi)	Minimum Cement Content lb/yd^3 (sacks/yd^3)	Air Content (%)	Maximum Water/Cement Ratio, (lb/lb)	Slump (inches)
Class AA 4000	564 (6.0)	6.5 +/- 1.5	0.25-0.44	2 +/- 1
Class A 3000	517 (5.5)	6 +/- 1.5	0.25-0.48	2 +/- 1
Class C 2400	395 (4.25)	6 +/- 1.5	0.25-0.62	3 +/- 1
*Class A (HES) 3000 (3-day)	611 (6.5)	6 +/- 1.5	0.25-0.48	5 +/- 1
*Class A 3000 (5 +/- 1 Slump)	517 (5.5)	6 +/- 1.5	0.25-0.48	5 +/- 1

Note: Fly ash meeting the requirements of the 2009 ODOT Specs Section 702, "Supplementary Cementitious Materials" may be substituted for up to 20% of the required cement. Make cement substitutions on a one-to-one basis by weight [mass].

1) Use the weight of each material to calculate the water to cement ratio (W/C) using the following equation:

   W/C=Water/(Cement + Fly Ash)

   Determine the water use by adding the water measured into the batch, the water used in admixtures, and the free water on wet aggregate and subtracting the water absorbed by dry aggregate.

2) Ensure the slump reflects a workability appropriate for the application. If using a high-range water-reducing admixture, limit the slump to a maximum of 9 in [230 mm]. A specified concrete slump to be delivered to the site shall be ordered by a city representative that is within the range in Table 1 for the class ordered. A minimal amount of water may be added once on site to achieve the needed slump for the work to be performed. Water shall not be added in large amounts to achieve the slump ordered.

3) Compressive strength shall be based on the average of the results of three test cylinders. Table 2 lists the proper uses for each class of concrete:

Table 2: Designated Concrete Uses

Concrete Class (psi)	Designated Uses
Class AA 4000	Concrete in superstructures
Class A 3000	Pavements and substructures (pier caps, columns, abutments, retaining walls, and reinforced concrete not requiring Class AA concrete)
Class C 2400	Soil erosion control structures
*Class A (HES) 3000 (3-day)	Pavements
*Class A 3000 (5 +/- 1 Slump)	Pavements

B) Proportioning

Design and produce concrete mixtures in accordance with Table 1, "Concrete Classes". The mix design shall be based on the absolute volume for the class of concrete specified and the consistency suitable for satisfactory placement of the concrete. Proportioning of the coarse and fine aggregate shall comply with ACI 211.1. Fine aggregate and the mixing water shall be kept to a minimum to ensure concrete of the required workability for placement.

High early strength concrete shall be 3000 psi concrete that meets the minimum strength requirement within 72 hours of placement.

The following information is required for each mix design:

1) City identification included with each mix design designation
2) Name and address of producer
3) Mix design designation
4) Aggregate sources, gradation, moisture content, and saturated surface dry batch mass
5) Water source and test reports required by 2009 ODOT Specs Subsection 701.4, "Water"
6) Fine aggregate fineness modulus
7) Cement type and sources
8) Fly ash source, if used
9) Type of admixtures and sources
10) High Range Water Reducer, if used in accordance with 2009 ODOT Specs Subsection 701.03.C, "High Range Water Reducer (HRWR) Concrete Mixture
11) Material proportions
12) Unit weight
13) Air content
14) Slump
15) Water to cement ratio
16) Compressive strengths at 7 days and 28 days
17) Compressive strengths at 72 hr for high early strength concrete
18) Flexural strength at 28 days or 56 days for Class A used for concrete paving

Submit new mix designs if:

- The City rejects the mix design
- Material sources change
- The mix design produces unacceptable workability or production test results

With the extended bids that the City uses, source substitutions are allowed, but the substitutions must be submitted to the City for approval before using a new source.

C) Tests and Samples
For concrete sampling and testing, use the procedures in Table 3.

Table 3: Concrete Sampling and Testing

Property Tested	AASHTO Test Procedure
Sampling(a)	T 141
Slump	T 119
Air	T 152 or T 196
Curing of Specimens(b)	T 23
Strength: Compressive(c)	T 22
Flexural(d)	T 97
(a) Sample pumped concrete after it is discharged from the pump.	
(b) Maintain the initial curing temperature at 40°F [4°C] or greater. The City will not require a recording thermometer. Maintain the final cure from 40°F to 85°F [4°C to 29°C] until tested.	
(c) Base compressive strengths on the average of three test cylinders.	
(d) Base flexural strengths on the average of two test beams.	

D) **Mix Identification** - Reference authorized mix identifications on batch tickets, test results, reports, and correspondence.

Portland Cement

Provide cement that meets the requirements of the 2009 ODOT Specs Subsection 701.02, "Portland Cement".

Admixtures

Only admixtures approved in the mix design and included in the bid price shall be used in any concrete. No admixtures shall be used to replace cement within the mix design. In using admixtures the producer shall:

- Accurately measure admixtures into each batch,
- Dispense admixtures in liquid form. Provide dispensers large enough to measure the quantity for each batch. Unless liquid admixtures are added to pre-measured water, arrange the discharge to uniformly flow into the water stream.
- Store admixtures to prevent freezing. Agitate admixtures to prevent solids from separating or settling. Do not use air agitation.
- If more than one liquid admixture, use separate equipment to provide and dispense each admixture. Ensure that admixtures are compatible when used in combination.
- Air entraining admixtures shall be *added during batching only.*

Water

All water used in batching concrete must be clean and free of oil, salt, acid, alkali, organic matter, or other substances injurious to the finished product. If the water source is other than a municipal source, the water must be tested in accordance with AASHTO T 26.

Fine Aggregate

A) **Materials Covered**

These specifications cover fine aggregate quality and size for PCC pavements or bases, highway bridges, and incidental structures.

B) **General Requirements**

Provide fine aggregate that consist of a single-source natural sand in accordance with AASHTO M6, Class A, except as modified by the following:

- Mix the two materials under controlled conditions and stockpile as a finished aggregate. Alternatively, the two materials may be combined from separate stockpiles during batching operations at a hydraulic cement concrete plant.
- Ensure the combined fine aggregate meets the gradation requirements of the 2009 ODOT Specs Subsection 701.05.C, "Gradation."
- If a manufactured sand is used in combination with natural sand, ensure the fine aggregate blend has an acid insoluble residue of at least 60 percent by weight when tested in accordance with OHD L-25.
- Obtain crushed fine aggregate (manufactured sand) from a coarse aggregate source on the ODOT Materials Division's "Approved Products List" for use in hydraulic cement concrete.

C) **Gradation**

Provide fine aggregate with a fineness modulus between 2.3 and 3.1, that is well graded from coarse to fine, and when tested in accordance with AASHTO T 27 and AASHTO T 11 meets the requirements of Table 3.

Table 3: Fine Aggregate Gradation

Sieve Size	Percent Passing
3/8 inch [9.5 mm]	100
No. 4 [4.75 mm]	95-100
No. 8 [2.36 mm]	80-100
No. 16 [1.18 mm]	50-85
No. 30 [600 μm]	25-60
No. 50 [300 μm]	5-30
No. 100 [150 μm]	0-10
No. 200 [75 μm]	0.0-3.0

The gradation requirements specified in Table 3 represent the extreme limits of suitability. Ensure the gradation from one source does not have large changes in percentages of gradation. Use the average fineness modulus to determine the uniformity of the fine aggregate. The average fineness modulus is the average of the last 10 tests by the ODOT Division III Resident Engineer and maintained by his office. The City will not accept fine aggregate represented by a test result with a fineness modulus that deviates more than 0.20 from the average. Determine the aggregate fineness modulus by adding the total percentage of sample material that is coarser than

each of the following sieve sizes and dividing the by 100: No. 100 [150 µm], No. 50 [300 µm], No. 30 [600 µm], No. 16 [1.18 mm], No. 8 [2.36 mm], No. 4 [75 mm], and $^{3}/_{8}$ inch [9.5 mm].

Coarse Aggregate

These specifications cover coarse aggregate quality and size for use in PCC pavements or bases, highway bridges, and incidental structures.
Provide each source of coarse aggregate in accordance with AASTO M 80, Class A, except as modified by the following:

- Ensure coarse aggregate produces Class A concrete with a durability factor of at least 50. Determine the durability factor after 350 cycles of alternate freezing and thawing in accordance with AASHTO T 161, Procedure A.
- Limit the Los Angeles Abrasion percent wear to a maximum of 40 percent after 500 revolutions when tested in accordance with AASTO T 96.
- The City will not apply the sodium sulfate soundness requirement.
- Ensure at least 70 percent of the coarse aggregate retained on the No. 4 [4.75 mm] sieve is crushed stone or mechanically crushed gravel with at least two fractured faces.
- Provide coarse aggregate graded in accordance with Table 4.

Table 4: Coarse Aggregate Gradation

	AGGREGATE SIZE	
	57	67
Sieve Size	**Percent Passing**	
1 ½ in [37.5 mm]	100	-
1 in [25 mm]	95-100	100
¾ in [19 mm]	-	90-100
½ in [12.5 mm]	25-60	-
$^{3}/_{8}$ in [9.5 mm]	-	20-55
No. 4 [4.75 mm]	0-10	0-10
No. 8 [2.36 mm]	0-5	0-5
No. 16 [1.18 mm]	-	-
No. 200 [75 µm]	0-2.0	0-2.0

More than one approved source of coarse aggregate may be used in a concrete mix design. Provide the specified sizes of coarse aggregate for the following types of concrete:

- No. 57 for Class A concrete
- No. 57 or No. 67 for Class C concrete
- No. 57 or No. 67 for Class AA concrete

Bid Form

Enter the mix design and unit price in the sections below. The mix design must comply with the above specifications. **All parts must be completed for the bid to be considered complete and acceptable for consideration. The unit prices provided below must include all fees (Does not include Below (3) yd³ Minimum Order Fee), charges, etc. (i.e. environmental fee) for the batching and delivery of material to the job site. The additives below will be all that is approved for use and shall be bid as a single unit price.**

ODOT Class AA 4000 psi	
Cement (lb)	
Coarse Aggregate (lb)	
Fine Aggregate (lb)	
Water (gal)	
Bid ($/yd^3)	

ODOT Class A 3000 psi	
Cement (lb)	
Coarse Aggregate (lb)	
Fine Aggregate (lb)	
Water (gal)	
Bid ($/yd^3)	

ODOT Class C 2400 psi	
Cement (lb)	
Coarse Aggregate (lb)	
Fine Aggregate (lb)	
Water (gal)	
Bid $/yd^3	

*ODOT Class A (5 +/- 1)3000 psi	
Cement (lb)	
Coarse Aggregate (lb)	
Fine Aggregate (lb)	
Water (gal)	
Bid ($/yd^3)	

*ODOT Class A (HES) 3000 psi	
Cement (lb)	
Coarse Aggregate (lb)	
Fine Aggregate (lb)	
Water (gal)	
Bid $/yd^3	

ODOT CLSM (Flowable Fill)	
Cement (lb)	
Coarse Aggregate (lb)	
Fine Aggregate (lb)	
Water (gal)	
Bid $/yd^3	

Bid Form Continued

Plasticizer ($/yd^3) _____ Set Retarder ($/yd^3) _____ Hot Water ($/yd^3) _____

Non-Chloride Excellerator - N.C.A. 1% ($/yd^3) _____ N.C.A. 2% ($/yd^3) _____

Below (3) yd^3 Minimum Order Fee ($/Load) _____ Ice (90°F Specification) ($/yd^3) _____

Maximum Size Stone: _____ Specific Gravity of Fine Aggregate (SSD) _____

Fineness Modulus: _____ Specific Gravity of Coarse Aggregate (SSD) _____
of Sand

Material Sources

Please provide the material sources for each item below:

Cement _____ Air Entrainment _____

Fine Aggregate _____ Coarse Aggregate _____

Admixture _____ Admixture _____

If water is not from a municipal source, provide the source _____. Also, submit water quality results, AASHTO T 26, to the city engineer's office.

Firm: _____

Address: _____ _____

City/St/Zip: _____

Phone: _____

Fax: _____

E-Mail: _____

Name: _____

Signature: _____

Title: _____

Date: _____

NON-COLLUSION AFFIDAVIT

The undersigned, of lawful age, being first duly sworn, on oath, says that (s) he is the bidder or bidder's authorized agent, and is authorized to submit this bid (offer). Affidavit further states that the bidder, or bidder's agent, has not been a party to any collusion among bidders in the restraint of freedom of competition by agreement to bid at a fixed price or to refrain from bidding; or price in the prospective contract; or in any discussion between bidder and/or any BUYER officials concerning exchange of money or other things of value for special consideration on the letting of this bid.

BUSINESS RELATIONSHIP AFFIDAVIT

If none of the business relationships mentioned exist, affidavit should so state "NONE".

The undersigned, of lawful age, being first duly sworn, on oath says that (s) he is the bidder or bidders authorized agent to submit this bid. Affidavit further states that the nature if any partnership, joint venture, or other business relationship presently in effect or which existed within one (1) year prior to the date of this bid with any BUYER officials or employee is as follows:

_____

Affidavit further states that any such business relationship presently in effect or which existed one (1) year prior to this bid between the bidder or officers or employees of the BUYER or other party to this bid is as follows.

_____

Affidavit further states that the names of all persons having any such business relationship and the positions they hold with their respective companies or firms are as follows:

_____

Firm: _____Name: _____

Address: _____ Signature: _____

City/St/Zip: _____Title: _____

Phone: _____Date: _____

NOTARY

Subscribed and sworn before me this _____ day of _____, 20__

My notary expires _____. Notary: _____.