

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

BID PROPOSAL

May 16, 2018

Bid Proposal: 18-96-21 **Service:** READY MIX CONCRETE
Bid Opening: June 6, 2018 @ 9:00a.m. at City of Ada West Annex, 210 West 13th (West Door), Ada, OK.
Mailing Address: City of Ada – Purchasing, 512 N. Stockton, Ada, OK 74820
Published: Ada Evening News, May 17 & 24, 2018

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 statutes.**
 - B. **Provide evidence of Vehicle Liability Insurance per Oklahoma statutes.**
 - 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 Number: 18-96-21

Submitted by: _____

Submitted to: **CITY OF ADA, OKLAHOMA**, 512 North Stockton, Ada, OK 74820
Bid Opening: **June 6, 2018 @ 9:00 a.m. at City of Ada West Annex, 210 West 13th (West Door), 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 July 1, 2018 and ending on December 31, 2018, 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 July 1, 2018 and ending on December 31, 2018, 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 great 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. 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 records.

Portland Cement Concrete

This specification covers all materials, classification, mix designs, proportioning, and testing of Portland cement concrete. All concrete shall be air entrained unless otherwise shown on the plans.

Mix Design and Proportioning

A) The following classes of concrete shall be used by the City of Ada (City):

Table 1: Concrete Class Specifications

Minimum 28-day Compressive Strength (psi)	Minimum Cement Content lb/yd ³ (sacks/yd ³)	Air Content (%)	Maximum Water/Cement Ratio, (lb/lb)	Slump (inches)
2500	423 (4.5)	5-7	0.62	2-4
3000	470 (5.0)	5-7	0.48	2-4
3500	517 (5.5)	5-7	0.48	2-4
4000	564 (6.0)	5-7	0.44	2-4

Note: Fly ash meeting the requirements of Section 702 of the 1999 Edition of the Oklahoma Department of Transportation Standard Specifications for Highway Construction (ODOT Specs) may be substituted for up to 15% of the required cement.

1) The water/cement ratio shall be calculated by using the following equation:

$$W/C = \text{Water} / (\text{Cement} + \text{Fly Ash})$$

The water actually used is determined by the water measured into the batch plus the free water on the wet aggregate minus the water absorbed by dry aggregate plus water in any admixture solutions and shall not exceed the limit specified.

- 2) 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 three test cylinders. Table 2 lists the proper uses for each class of concrete:

Table 2: Designated Concrete Uses

<u>Concrete Class (psi)</u>	<u>Designated Uses</u>
2500	Erosion Control Structures (Slope Walls, Paved Channels, Etc.)
3000	Pavement, Substructural Elements (Reinforced Box Culverts, Retaining Walls, etc.), Drives and Sidewalks
3500	Footings, Drilled Piers, and Traffic Rails
4000	Bridge Floors, Bridge Approach Slabs, and Parapet Walls

- B) 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 insure 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) Name and address of producer
- 2) Mix design designation
- 3) Aggregate sources, gradation, LA abrasion (AASHTO T96-92) and freeze thaw durability (AASHTO T 103-91)
- 4) Cement type
- 5) Fineness modulus of fine aggregate
- 6) Cement source
- 7) Fly ash source, if used
- 8) Material proportions
- 9) Admixtures

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

- C) 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. Dispensers for the admixtures shall have sufficient capacity to measure at one time the full quantity required for each batch. Unless liquid admixtures are added to pre-measured water for the batch, their discharge into the batch shall be arranged to flow uniformly into the stream of water. Do not allow the dosage to vary more than 5% from the dosage established by the mix design for the mix requirements. Make sure the measuring equipment allows for easy confirmation of the accuracy of measurement of the admixture dosage.
 - Store admixtures in a manner to prevent freezing and agitate them to prevent separation or sedimentation of solids. Do not use air agitation.
 - If more than one liquid admixture is used, be certain that they are compatible, and dispense each one by separate equipment.
- D) 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) These specifications cover the quality and size of fine aggregates for Portland cement concrete.
- B) Fine aggregate shall consist of natural sand, or “subject to approval” combinations of manufactured sand and natural sand, having hard, strong, durable particles, and it shall conform to these specifications. Mix and store fine aggregate from different sources in separate stockpiles; in addition, do not use them alternately in the same class of construction or mix.
- C) Table 3 contains the limits of deleterious substances that are allowed within the fine aggregate:

Table3: Deleterious Substances Limits

<u>Item</u>	<u>Limits</u>
Clay lumps and friable particles, %, maximum	3.00
Coal and Lignite, %, maximum	0.25

- D) All fine aggregate shall be free from injurious amounts of organic impurities.
- E) Fine aggregate for the concrete shall have the following gradation in Table 4:

Table 4: Fine Aggregate Gradation

<u>Sieve Size</u>	<u>Percent Passing</u>
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)	0-3

- F) The gradation in Table 4 represents the extreme limits, which determines suitability for use from all sources of supply. Each source shall have a uniform gradation and not rely on the extreme percentage limits specified. A fineness modulus calculation is necessary to determine the uniformity of the source. The fineness modulus is determined by adding the total percentages of material in the sample that are coarser than each of the following sieves (cumulative percentages retained), and dividing the sum by 100: No. 100, No. 50, No. 30, No. 16, No. 8, No. 4, 3/8 inch, 3/4 inch, 1 1/2 inch and larger increasing at the ration of 2 to 1. Upon performing a sieve analysis on the contractor’s proposed source, if fine aggregate from any one source having a variation in fineness modulus greater than 0.20 either way from the fineness modulus of the entire sample, it shall be rejected.

Coarse Aggregate

- A) These specifications cover the quality and size of coarse aggregates for Portland cement concrete.
- B) Coarse aggregate shall consist of gravel or crushed stone, which conform to the requirements of AASHTO M 80, Class A. The durability factor of the coarse aggregate shall be 50 or more using 350 cycles of alternate freezing and thawing in accordance with AASHTO T 161, Procedure A. Maximum wear using the L.A. Abrasion test in AASHTO T 96 shall be 40 percent.

Only coarse aggregate that is free from clay, shale, coatings of any type, disintegrated or soft pieces, conglomerates, mud balls, sticks, salt, alkali, or organic matter shall be used. At least 70 percent of all aggregate retained on the No. 4 sieve shall have two or more fractured faces and shall contain not more than 15 percent of flat and elongated pieces (a flat and elongated piece is one in which the length is greater than five times the average thickness).

C) Coarse aggregate for the concrete shall have the following gradation in Table 5:

Table 5: Coarse Aggregate Gradation

<u>Sieve Size</u>	<u>Aggregate Size</u>	
	<u>57</u>	<u>67</u>
	<u>Percent Passing</u>	
1 ½ inch	100	
1 inch	95-100	100
¾ inch		90-100
½ inch	25-60	
⅜ inch		20-55
No. 4	0-10	0-10
No. 8	0-5	0-5
No. 200	0-2	0-2

Sampling and Testing Methods

Table 2 contains the applicable test methods to determine compliance with the above specifications:

Table 2: Material Testing Methods

<u>Test</u>	<u>Method</u>
Portland cement	M 85 or M 240
Los Angeles Abrasion	T 96
Sieve Analysis	T 27
Sampling	T 2
Friable particles	T 112
Coal and lignite	T 113
Fractured Faces	OHD L-18
Organic impurities	T 87
Water Quality	T 26
Aggregate Durability Factor	T 161, Procedure A
Material Passing No. 200 Sieve	T 11
Air Entraining	M 154
Chemical Admixtures	M 194

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, 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.**

2500 psi	
Cement (lb)	
Coarse Aggregate (lb)	
Fine Aggregate (lb)	
Water (gal)	
Bid (\$/yd³)	

3000 psi	
Cement (lb)	
Coarse Aggregate (lb)	
Fine Aggregate (lb)	
Water (gal)	
Bid (\$/yd³)	

3500 psi	
Cement (lb)	
Coarse Aggregate (lb)	
Fine Aggregate (lb)	
Water (gal)	
Bid \$/yd³	

4000 psi	
Cement (lb)	
Coarse Aggregate (lb)	
Fine Aggregate (lb)	
Water (gal)	
Bid (\$/yd³)	

High Early Strength 3000 psi	
Cement (lb)	
Coarse Aggregate (lb)	
Fine Aggregate (lb)	
Water (gal)	
Bid \$/yd³	

7 ½ Sack HES	
Cement (lb)	
Coarse Aggregate (lb)	
Fine Aggregate (lb)	
Water (gal)	
Bid \$/yd³	

Flowable Fill	
Cement (lb)	
Coarse Aggregate (lb)	
Fine Aggregate (lb)	
Water (gal)	
Bid \$/yd³	

Bid Form Continued

Plasticizer (\$/yd³) _____ Set Retarder (\$/yd³) _____ Hot Water (\$/yd³) _____

Non-Chloride Excellerator - N.C.A. 1% (\$/yd³) _____ N.C.A. 2% (\$/yd³) _____

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 _____

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: _____.