

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

BID PROPOSAL

May 15, 2018

Bid Proposal: 18-96-22 **Product:** Mineral Aggregates
Bid Opening: June 6, 2018 @ 9:30 a.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: None
13. Bid Documents: Bid Notice, Bid Proposal Form, and Detailed Specifications.

Pamela McKinzie, Purchasing Director

BID PROPOSAL: MINERAL AGGREGATES
Bid Number: 18-96-22

Submitted by: _____

Submitted to: **CITY OF ADA, OKLAHOMA**, 512 North Stockton, Ada, OK 74820

Bid Opening: June 6, 2018 @ 9:30 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 types of MINERAL AGGREGATE for a period commencing July 1, 2018, and ending on December 31, 2018, or at which time the next 6 month contract is awarded and approved by council.

The quantities listed are the estimated needs of the BUYER for the contract period. However, the BUYER reserves the right to purchase any or all the amounts specifies below.

GENERAL SPECIFICATIONS:

1. Contract Period: Commencing after approval at the City Council Meeting beginning 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. MINERAL AGGREGATES will be purchased from the supplier that offers the "BEST BUY" for the BUYER considering products, and service.
3. The BUYER reserves the right to purchase stone from other suppliers when considered in the best interest of the BUYER if delivery cannot be provided as requested; in the event the primary supplier(s) cannot provide the required product or service.

02208

AGGREGATE FILL CLASSIFICATIONS

PART 1 GENERAL

1.1 SCOPE

- A. WORK INCLUDED: This section of the specifications describes the various classes of Aggregate Fill used by the City of Ada. This specification section does not include installation.
- B. This specification covers the materials, classification, proportioning, and testing of mineral aggregates used for various purposes. Only material conforming to the following specifications shall be considered for the bi-annual bidding that the City of Ada (City) conducts. The successful bidder shall make available and provide any control test results for these specifications and supply them to the City of Ada upon request.
 - 1. The aggregate base course material shall consist of an intimate mixture of graded aggregate, coarse and fine, and shall be practically free from vegetation or other deleterious substances. Coarse aggregate (material retained on a No. 10 (2.00mm) sieve) shall consist of sound, tough, durable particles or fragments of gravel, stone, mine chats, disintegrated granite, crushed concrete, or a combination thereof. Fine aggregate shall be sand, stone dust, or other inert, finely-divided mineral matter.
 - a. At least 40 percent of that portion of the completed mixture retained on the No. 4 (4.75 mm) sieve shall be composed of uniformly graded crushed particles (pieces of aggregate with one or more fractured faces resulting from artificial crushing).
 - 2. The coarse aggregate retained on the 3/8 inch (9.5 mm) sieve of the finished mixture shall have a percent of wear. Los Angeles Abrasion Test, of not more than 45. No source of material used in the blend shall have a percent of wear of more than 45. The aggregate shall have an aggregate durability index of 40 or more.

1.2 QUALITY ASSURANCE

A. CLASSIFICATION TESTING

1. MANUFACTURER/SUPPLIER TESTING:

- a. Manufacturer/Supplier shall provide certification that aggregate material meets gradation requirements identified herein.

- b. Submit the test results to the City Engineer, and obtain approval prior to providing Aggregate Fill.
2. OWNER TESTING: The Owner shall arrange and pay for additional testing on the Aggregate Fill after delivery to the project site as determined necessary by the City Engineer. Should the material tested not meet the classification for material hauled by the manufacturer/supplier, the City reserves the right to reject the material until it meets the gradation requirements set forth herein.
3. For materials picked up by the City, the manufacturer/supplier shall provide a sieve analysis for the batch and/or load(s) being provided to the City of Ada.

B. CONTAMINATION CERTIFICATION

1. Obtain a written, notarized certification from the Supplier of each proposed Aggregate Fill source stating that to the best of the Supplier's knowledge and belief there has never been contamination of the source with hazardous or toxic materials.
2. Submit these certifications to the City Engineer prior to proceeding to furnish Aggregate Fill to the site. The lack of such certification on a potential Aggregate Fill source shall be cause for rejection of that source.

1.3 STANDARDS

- A. Aggregate Fill shall be classified into the appropriate class listed below according to ASTM testing procedures as specified for the various classes.

1. American Society for Testing Materials standards.

ASTM C33 Specification for Concrete Aggregates

ASTM C88 Test Method for Soundness of Aggregates by Use of Sodium Sulfate or Magnesium Sulfate

ASTM C125 Terminology Relating to Concrete and Concrete Aggregates

ASTM C131 Test Method for Resistance to Degradation of Small-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine

ASTM C535 Test Method for Resistance to Degradation of Large-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine

ASTM D448 Classification for Sizes of Aggregate for Road and Bridge Construction

B. Oklahoma Department of Transportation (ODOT) – Standard Specifications for Highway Construction – 1999 or latest revision.

2.0. PRODUCTS

A. MATERIALS: CLASSIFICATIONS

1. TYPE II – MICROSURFACING: Composed of clean and durable particles of 100% crushed stone complying with the requirements of ASTM C33, except that the gradation shall be as follows:

Sieve Size	Percent Passing
3/8 inch (9.5 mm)	100
No. 4 (4.75 mm)	88.4
No. 8 (2.36 mm)	60.3
No. 10 (2.00 mm)	50.5
No. 16 (1.18 mm)	39.5
No. 30 (0.6 mm)	25.1
No. 40 (425 µm)	20.0
No. 50 (0.3 mm)	15.0
No. 80 (0.18 mm)	11.8
No. 100 (0.15 mm)	10.5
No. 200 (75 µm)	7.18
PAN (0 mm)	0

Physical Properties of Aggregates	
Property	Limits
L.A. Abrasion, % wear, maximum	40
Sand Equivalent, %, minimum	65
Mechanically Fractured Faces ^a , %, minimum	100 w/2
Aggregate Durability Index, minimum	40
Insoluble Residue, %, minimum	65
Flat or Elongated Pieces ^{a,b} , % maximum	15
Natural Sand and Gravel, %, maximum	0
Clay Balls and Friable Particles, %, maximum	0
Soft Particles, %, maximum	5
Sticks or Roots, %, maximum	0

a. Applies to the aggregate retained on the No. 4 (4.75 mm) sieve.

b. A flat or elongated piece is one in which the length is greater than five times the average thickness.

2. TYPE A AGGREGATE BASE: The graded aggregate, when uniformly blended and sampled from trucks or windrows, shall conform to the following requirements depending on the type being used. Materials for

base courses which contain oversize particles of rock, gravel, lumps of clay, or conglomerated material shall not be loaded into vehicles for delivery to the road. Such oversize particles of aggregate must be screened, crushed, or otherwise processed to meet the Specifications before delivery to the road. The samples taken from trucks or windrows after the graded aggregate has been uniformly blended shall conform to the gradation limits for the type being constructed, as follows:

Sieve Size	Percent Passing
1½ inch (37.5 mm)	100
¾ inch (19.0 mm)	40-100
3/8 inch (9.5 mm)	30-75
No. 4 (4.75 mm)	25-60
No. 10 (2.0mm)	20-43
No. 40 (425 µm)	8-26
No. 200 (75 µm) ^a	4-12
Plasticity Index ^b , %, maximum	6
Liquid Limit ^b , % maximum	25

- a. The material passing the No. 200 (75µm) sieve shall not be greater than 2/3 of the amount of material passing the No. 40 (425 µm) sieve.
 - b. The blending of separate aggregates will be permitted to produce an aggregate mixture meeting these requirements providing no individual aggregate has a plasticity index in excess of 8.
1. Sampling and Testing. Tests shall be conducted in accordance with the latest revision of the following AASHTO Methods except as noted:

Los Angeles Abrasion	T 96
Sieve Analysis	T 27
Sampling	T 2
Determining Plastic Limit and Plasticity Index	T 90
Fractured Faces	OHD L-18
Method of Preparation of Samples	T 87
Determining Liquid Limit	T 89
Standard Density	T 180 Method D
Aggregate Durability Index	T 210
Material Passing No. 200 (75 µm) Sieve	T 11
Dust Coating (Plus No. 8 (2.36 mm) material after dry sieving)	T 11
Soft Particles	OHD L-38

3. COARSE AGGREGATE FILL:

- a. General Requirements: Coarse aggregate shall be a gravel or crushed stone which shall conform to the requirements of AASHTO M

80, Class A, except as modified by these Specifications. Coarse aggregate shall produce Class A concrete with a durability factor of 50 or more. The durability factor will be determined after 350 cycles of alternate freezing and thawing in accordance with AASHTO T 161, Procedure A. The Los Angeles Abrasion percent wear shall be limited to a maximum of 40 percent after 500 revolutions when tested in accordance with AASHTO T 96. The sodium sulfate soundness requirement shall not apply.

- b. Gradation: Consist of clean, tough, durable particles, practically free from clay, shale, coatings of any character, disintegrated or soft pieces, conglomerates, mud balls, sticks, salt, alkali, or vegetable matter. The coarse aggregate shall be well graded complying with ASTM D448, size number 67 within the limits of the following gradation:

Sieve Size	Percent Passing
1 inch (25.0 mm)	100
¾ inch (19.0 mm)	90-100
3/8 inch (9.5 mm)	20-55
No. 4 (4.75 mm)	0-10
No. 8 (2.36 mm)	0-5
No. 200 (75 mm)	0-2.0

4. SCREENINGS-Washed

- a. Composed of washed and durable Limestone particles of 100% crushed stone complying with the requirements of ASTM C33, except that the gradation shall be as follows:

Sieve Size	Percent Passing
3/8" (12.5mm)	100
#4 (4.75 mm)	95.4
#8 (2.36 mm)	68.4
#16 (1.18 mm)	45.1
#30 (0.6 mm)	31.1
#50 (0.3 mm)	23.0
#100 (0.15 um)	18.2
#200 (75 um)	14.80

5. SCREENINGS-Clean

- a. Composed of Clean and durable Limestone particles of 100% crushed stone complying with the requirements of ASTM C33, except that the gradation shall be as follows:

Sieve Size	Percent Passing
3/8" (12.5mm)	100
#4 (4.75 mm)	95.4
#8 (2.36 mm)	68.4
#16 (1.18 mm)	45.1
#30 (0.6 mm)	31.1
#50 (0.3 mm)	23.0
#100 (0.15 um)	18.2
#200 (75 um)	14.80

3.0. EXECUTION [NOT USED]

END OF SECTION

Bid Form

Bidder Name: _____

Furnish and provide the mineral aggregate in accordance with the specification sections.

<u>Section 02208</u> - Aggregate Fill	Quarry Location 1	Quarry Location 2
	_____	_____
<u>Aggregate Material</u>	<u>Unit Price (\$/ton)</u>	<u>Unit Price (\$/ton)</u>
Type II Microsurfacing	_____	_____
Type A Aggregate Base	_____	_____
Course Aggregate Fill	_____	_____
Screenings- <u>Washed</u>	_____	_____
Screenings- <u>Clean</u>	_____	_____

Note: 1) All unit prices are FOB quarry. Location of quarry #1 is _____.

Location of quarry #2 is _____.

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 exists, 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: _____.