

Six  
Month  
Bid



July 1, 2013  
Thru  
December 31, 2013

APPROVED THIS 6<sup>th</sup> DAY OF May, 2013.

*Phil Carson*

PHIL CARSON, DISTRICT #1 COMMISSIONER

*David Anderson*

DAVID ANDERSON, DISTRICT #2 COMMISSIONER

*Jack Stewart*

JACK STEWART, DISTRICT #3 COMMISSIONER

13324



**Canadian County  
Purchasing**

**Six Month Bids  
July 1 – December 31, 2013**

Date Issued: May 6, 2013  
Bid Number: **SIX MONTH BIDS**  
Closing Date: May 31, 2013 at 4:00pm  
PO Box 458, 201 N. Choctaw Ave., El Reno, OK 73036  
Opening Date: June 3, 2013 at 9:30am  
Commissioner's Meeting Room, 201 N. Choctaw Ave., El Reno, OK 73036

~ NOTICE TO BIDDERS ~

Sealed bids will be received by the Canadian County Purchasing Agent of Canadian County, Oklahoma at the Court House in El Reno until 4:00pm on the 31<sup>st</sup> day of May, 2013. Bids will open at 9:30am on the 3<sup>rd</sup> day of June, 2013.

Bids will be opened by the Board of Canadian County Commissioners on that date for the six month period of:  
**July 1, 2013 through December 31, 2013**

All bids must be made on forms furnished by the County, signed and notarized and shall conform to the regulations and conditions contained herein.

The Canadian County Board of County Commissioners reserves the right to reject any all bids or to award all or any portion of the items bid.

**Please mail sealed bids to:**  
Sherry Murray, Purchasing Agent  
Canadian County Clerk's Office  
PO Box 458  
El Reno, OK 73036

Street Address: 201 N. Choctaw Avenue, El Reno, OK 73036

**Please mark your envelope "Six Month Bid"**

<p>_____</p> <p>_____</p> <p>_____</p>	<p>Sherry Murray, Purchasing Agent Canadian County Clerk's Office PO Box 458 El Reno, OK 73036</p> <p><b>SIX MONTH BID</b> Closes: <b>May 31, 2013 at 4:00pm</b></p>
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If you have any questions or need additional information, please contact:  
**Sherry Murray, Purchasing Agent, 405.295.6125 or 405.422.2441**



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~BID REGULATIONS AND CONDITIONS~

BIDDERS LIST:

- A. Vendors wishing to do business with the County should be included on the "Bidders List" maintained by the County Purchasing Agent. All vendors are eligible for consideration.
- B. Vendors wishing to be added to the "Bidders List" should contact the County Purchasing Office.
- C. Removal from the "Bidders List".
  1. Removal or Suspension. The Purchasing Agent may remove any vendor on the Bidders List for such period of time deemed necessary by the Purchasing Agent.
  2. Cause for Removal or Suspension. The following shall be deemed sufficient grounds for removal or suspension:
    - a) Three consecutive failures to respond to the Notice to Bidders.
    - b) Failure to submit certificate of compliance when required.
    - c) Consistent failure to conform to bid regulations, conditions, and/or specifications.
    - d) Failure to make timely deliveries.
    - e) Failure to keep bid firm for the time specified on the Notice of Bid.
    - f) Collusion with other bidders or prospective bidders to restrain competitive bidding.
    - g) Bankruptcy or other evidence of insolvency of the bidder.
    - h) Giving false or misleading information in an application for inclusion of the "Bidders List".
    - i) Any violation of these rules and regulations or other information suggesting that the bidder is no longer responsible and qualified to do business with the County.
  3. Notice of removal or suspension from the Bidders List will be sent to affected vendor. This action may be contested in writing to the Purchasing Agent within five working days.

BIDDING PROCEDURES:

- A. Solicitation of Bids.
  1. Concerning Solicitation. The Purchasing Agent provides fair and impartial consideration to all qualified bidders and seeks to obtain the highest practicable degree of full and free competition. All interested vendors are urged to apply for inclusion on the Bidders List.
  2. Bid Selection. The County Commissioners may reject any or all bids. The Purchasing Agent will solicit phone bids from three or more vendors selected at random, if this occurs.
- B. Bid Form:
  1. Bids are submitted on the forms containing items and/or goods a vendor wished to bid. Return of bid constitutes a valid offer good for 30 days from the date of opening.
  2. Formal Requirements.
    - a) Written in Ink or Typewritten. All bids must be written legibly in ink or preferably typewritten.
    - b) Authorized Signature. The bid must bear the signature in ink by the person so authorized.
    - c) Notary Seal. Each bid must bear the signature and seal of an authorized Notary Public on the Affidavit of Non-Collusion.
    - d) Labeled and sealed envelope. Bidders name and address and closing date must appear on the face of the envelope.



HOLD HARMLESS AGREEMENT:

All bidders shall defend, indemnify and hold the County of Canadian County, State of Oklahoma, its commissioners, officers, deputies and employees harmless from and against any and all liability, loss, expense (including reasonable attorney's fees), or claims for injury or damages arising from, relating to, or connected with the performance of the bidding work.

BID CONTENTS:

1. Entire Agreement. The Bid Regulations and Conditions of this section together with the Notice of Bid and any other sheets or documents made a part of the bid package, shall constitute the entire agreement between parties.
2. Modification. An addendum will be issued, when deemed necessary, for any changes in, additions to, or waivers of specifications, or regulations and conditions of the bid. The Purchasing Agent must issue this addendum.
3. Offer firm for thirty days. Return of bid constitutes a valid offer guaranteed for a minimum of 30 days by vendor until bid is awarded. After bid is awarded offer is firm for six months.
4. Items to be new or current. Unless otherwise stated within the bid, goods and materials offered in the bid are to be new and of current design.
5. Non-Acceptance of Split Award – “All or None Bid” – The County Commissioners reserve the right to make and award on items or groups of items listed on the bid. If the vendor wishes to bid “All or None”, this must be clearly shown of the bid.
6. Shipping Instructions. Goods and materials are to be shipped F.O.B., the receiving officer or department. All freight is to be borne by the vendor and included in the bid price.
7. Title and Risk of Loss. Title of goods shall not pass from the vendor until such goods are received by requisitioning departments receiving officer. Risk of such loss prior to such receipt shall be borne by the vendor.
8. Delivery. Time is of the essence and deliveries are to be made within ten days after receipt of an order.
9. Inspection and Rejection. All goods and materials shall be subject to inspection by the receiving officer at the time of delivery. Any goods not in complete conformance with the specifications, defective in materials of workmanship, or found to contain latent defects will be rejected. Such goods are to be removed and replaced by and at the cost of the vendor promptly after notifications of rejection. Risk or loss as to such rejected goods shall be borne by the vendor.
10. Payment. Payment by the County for goods received shall not constitute acceptance if subsequent reveals latent defects or a failure to meet bid specifications. Payment for a period delivery shall not be deemed acceptance of undelivered goods.
11. Exemption from Taxes. Purchases made by the County are exempt from State Sales Tax and from Federal Excise Tax. These taxes should not be included in bid prices. When required, the Purchasing Agent will supply the proper tax exemption certificate.

SUBMISSION PROCEDURES:

- A. **Sealed envelopes. Bids must be submitted in a sealed envelope with the name and address of the vendor and date and time of closing clearly marked on the outside of the envelope.**
- B. **Late Bids. Bids received after the time and date of closing listed on Notice to Bidders will not be opened. These late bids will remain unopened and become a permanent part of the bid file.**



AWARDING OF BIDS:

- A. Acceptance. The Purchasing Agent will compile the bids submitted. The County Commissioners will open and award all bids. The Purchasing Agent will notify all successful bidders in writing prior to onset of the bidding period.

Purchases of items and supplies that are on this Six Month Bid list must be made from the vendor listed. This is an exclusive contract between Canadian County and the vendor for the time period mentioned on the "NOTICE TO BIDDERS". The county must be as sincere in fulfilling its obligation by buying from the vendor as it expects the vendor to be in holding the price stable to the bid period.

B. Grounds for Rejection:

1. Non-Responsive Bid. Any bid which does not meet the requirements or specifications of the bid, or is unsuitable for the intended use, or does not comply with these regulations and conditions may be rejected. The County Commissioners reserve the right to reject any or all bids when such is deemed in the best interest of the County.
2. Affidavit. The Non-Collusion Affidavit not signed and notarized and/or included with the bid.

PERFORMANCE BY SUCCESSFUL BIDDER:

A. Delivery of Goods:

1. Deliveries shall be made within ten days from the date ordered.
2. Deliveries are to be made to the requisitioning department and the vendor will be advised of such time of order.

SPECIAL CONDITIONS FOR ROAD MATERIALS:

- A. The County Commissioners request that all hauling orders be started within 48 hours after receipt of order of hauling. This includes verbal request supported by a valid Purchase Order No. and minimum of (6) trucks are to be assigned to a specific project unless otherwise agreed to. If low bidder cannot accommodate, the county may proceed to next bidder. All boundary line hauling will be paid the lower bid price for that area.
- B. All materials must meet current ODOT Specifications. A materials certification attesting to the specification regarding delivered material may be requested. Any material found to be in noncompliance (not meeting required specifications) will not be paid for or a cost reduction may be applied at the county's discretion.
- C. Bidder agrees to deliver asphaltic materials in truck tank lots within 24 hours notice from the County Purchasing Office. THE MATERIAL SHALL BE MAINTAINED AT SATISFACTORY TEMPERATURE UNTIL IT IS LOADED INTO THE COUNTY EQUIPMENT. DEMURRAGE OR DELIVERY CHARGES WILL BE ALLOWED IN CASES OF DELAY OR FAILURE OF THE COUNTY TO ACCEPT THE MATERIALS BECAUSE OF BREAK DOWN OF COUNTY EQUIPMENT WEATHER CONDITIONS. PLACE OF COUNTY DELIVERY SHALL BE LISTED ON THE INVOICE. FAILURE BY THE VENDOR/SUPPLIER TO DELIVER MATERIALS AT THE PROPER TIME AND PLACE AS ORDERED BY THE COUNTY CAN RESULT IN LOSS OF TIME CHARGE AFFECTED BY THE COUNTY ON THE SUPPLIER.
- D. CANADIAN COUNTY WILL NOT BE RESPONSIBLE FOR, AND WILL NOT PAY FOR ANY FUEL SURCHARGES, EMERGENCY OR OTHERWISE. THIS WILL BE PAID BY THE VENDOR OR CARRIER AND WILL NOT BE PASSED ON TO THE COUNTY FOR PAYMENT.

SUB-LETTING:

- A. Any bid submitted with sub-letting to firm other than the bidding vendor will or shall be CLEARLY SPECIFIED ON THE BID SHEET.



THE USE OF RECYCLED MATERIALS:

- A. If a vendor has products using recyclable materials and regular materials, the vendor shall submit separate bids, using one bid for recyclable materials only and using one bid for regular materials.

CHANGING OF BID SPECIFICATIONS:

- A. Bid forms shall be filled out as specified. If a Vendor chooses to change the bid specifications, the bid will be subject to rejection by the Board of Canadian County Commissioners.

ALUMINIZED STEEL TYPE "2" PIPE SPECIFICATIONS:

- A. This proposal for furnishing Corrugated Aluminized Steel Type "2" Pipe as per Oklahoma State Highway Specifications, Section 726, 1999 Edition and Supplements, delivered F.O.B. to specified locations in Canadian County. Steel Sheet, aluminum-coated (type 2) by the hot-dip process for sewer and drainage pipe shall conform to the AASHTO M 274.





**AFFIDAVIT MUST BE INCLUDED WITH YOUR BID OR BID WILL BE REJECTED BY THE BOARD OF CANADIAN COUNTY COMMISSIONERS.**

**RETURN THIS PAGE WITH THE BID.**

**~AFFIDAVIT OF NON-COLLUSION OF BIDS~**

STATE OF \_\_\_\_\_ )

COUNTY OF \_\_\_\_\_ )

I, the undersigned of lawful age, being first duly sworn on oath say that he or she is the agent authorized by the bidder to submit the attached bid. Affidavit further states that the bidder has not been a party to any collusion among bidders in restraint of freedom of competition by agreement to bid at a fixed price or to refrain from bidding; or with any state official or contract, or in any discussions between bidders and any state official concerning exchange of money or other things of value for special consideration in letting of a contract, that the bidder/contractor has not paid, given or donated or agreed to pay, give or donate to any officer or employee of the State of Oklahoma or other public entity thereof, any money or other thing of value, either directly or indirectly in the procuring of the award of a contract pursuant to this bid.

BUSINESS NAME: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

PHONE NUMBER: \_\_\_\_\_ FAX NUMBER: \_\_\_\_\_

SIGNATURE: \_\_\_\_\_

TITLE: \_\_\_\_\_

(NOTARIZATION)

SUBSCRIBED AND SWORN BEFORE ME THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 20\_\_.

\_\_\_\_\_  
(NOTARY PUBLIC)

\_\_\_\_\_  
(COMMISSION EXPIRATION DATE)

(SEAL)



**RETURN ONLY THE PAGES THAT YOU HAVE BID ON**

BID PROPOSAL  
CANADIAN COUNTY

DATE: \_\_\_\_\_

NAME OF FIRM: \_\_\_\_\_

**BIDDER AGREES TO COMPLY WITH ALL TERMS AND CONDITIONS OF BID**

SIZE:	LENGTH:	ACZA FIR	(price per thousand feet)	SIZE:	LENGTH:	Southern Yellow Pine – Creosote Treated
3" x 4"	8' to 16' 18' to 24'	_____		3" x 4"	8' to 16' 18" to 24'	_____
3" x 6"	8' to 16' 18' to 24'	_____		3" x 6"	8' to 16' 18' to 24'	_____
3" x 8"	8' to 16' 18' to 24'	_____		3" x 8"	8' to 16' 18' to 24'	_____
3" x 12"	8' to 16' 18' to 24'	_____		3" x 12"	8' to 16' 18' to 24'	_____
4" x 12"	8' to 16' 18' to 24'	_____		4" x 12"	8' to 16' 18' to 24'	_____
4" x 14"	18' to 20' 22' to 24'	_____		4" x 14"	18' to 20' 22' to 24'	_____
8" x 16"	20' to 30' 32' to 40'	_____		8" x 16"	20' to 30' 32' to 40'	_____
12" x 12"	8' to 16' 18' to 20' 22' to 26'	_____		12"x 12"	8' to 16' 18' to 20' 22' to 26'	_____

\*\*\*ACZA FIR: LUMBER SHALL BE DOUGLAS FIR OF THE COASTAL REGION. LUMBER SHALL BE #2 GRADE OR BETTER LUMBER AND SHALL BE CHEMONITE (ACZA) TREATED WITH .40 TREATMENT RETENTION. LUMBER DRESSING SHALL BE S1S1E. LUMBER SHALL COMPLY WITH OKLAHOMA STATE STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, 1988 EDITION.

\*\*\*\*SOUTHERN YELLOW PINE TREATED WITH #1 CREOSOTE PER AWPA AND OKLAHOMA HIGHWAY DEPARTMENT SPECIFICATIONS.

**STAY IN FORMING OR TENSEL FORM: price per square foot: (New prime material: PAINTED)**

GAUGE:  
22 gauge \_\_\_\_\_  
24 gauge \_\_\_\_\_  
26 gauge \_\_\_\_\_

RESPECTFULLY SUBMITTED BY: \_\_\_\_\_



RETURN ONLY THE PAGES THAT YOU HAVE BID ON
BID PROPOSAL
CANADIAN COUNTY

DATE: \_\_\_\_\_

NAME OF FIRM: \_\_\_\_\_

BIDDER AGREES TO COMPLY WITH ALL TERMS AND CONDITIONS OF BID

NEW PIPE PILING: outside diameter - price per foot:

- .50 (1/2) wall thickness
7"
7 5/8"
9 5/8"
10 3/4"
12"
14"

USED PIPE PILING: outside diameter - price per foot:

- .50 (1/2) wall thickness
7"
7 5/8"
9 5/8"
10 3/4"
12"
14"

GALVANIZED GUARD RAILS: (NEW) per 12.6 ft. section: per 25 ft. section.
(USED) per 12.6 ft. section: per 25 ft. section.

GALVANIZED GUARD RAILS: Installed price per L.F.
(As per ODOT 2009 Standard Specifications Section 623 - See Attachment Exhibit "A")

END WING: (NEW) price for each. (USED) price for each.

STRUCTURAL STEEL: NEW price per pound for angles, channels and flats (A 36 GRADE OR BETTER - bid will not include re-bar or any steel 3" dimension or less)

- USED price per pound
NEW price per pound for 6" to 24" wide flange beams
NEW price per pound for 27" to 36" wide flange beams

10 x 10 x 42 # H-PILING:

NEW: \_\_\_\_\_

USED STEEL PIPE: .250 minimal thickness: price per foot:

- 16"
18"
20"
22"
24"



RESPECTFULLY SUBMITTED BY:

**RETURN ONLY THE PAGES THAT YOU HAVE BID ON**  
BID PROPOSAL  
CANADIAN COUNTY

DATE: \_\_\_\_\_

NAME OF FIRM: \_\_\_\_\_

**BIDDER AGREES TO COMPLY WITH ALL TERMS AND CONDITIONS OF BID**

**CORRUGATED HDPE PIPE (High Density Polyethylene AASHTO M252 / M294 Specification) – 10', 20', 24' or 30' Lengths**  
(AASHTO M252)

4" \_\_\_\_\_ LF    8" \_\_\_\_\_ LF    10" \_\_\_\_\_ LF    12" \_\_\_\_\_ LF    15" \_\_\_\_\_ LF    18" \_\_\_\_\_ LF    24" \_\_\_\_\_ LF  
30" \_\_\_\_\_ LF    36" \_\_\_\_\_ LF    42" \_\_\_\_\_ LF    48" \_\_\_\_\_ LF    60" \_\_\_\_\_ LF

(Coupler)

4" \_\_\_\_\_ EA    8" \_\_\_\_\_ EA    10" \_\_\_\_\_ EA    12" \_\_\_\_\_ EA    15" \_\_\_\_\_ EA    18" \_\_\_\_\_ EA    24" \_\_\_\_\_ EA  
30" \_\_\_\_\_ EA    36" \_\_\_\_\_ EA    42" \_\_\_\_\_ EA    48" \_\_\_\_\_ EA    60" \_\_\_\_\_ EA

Delivery lead time to jobsite (Canadian County Barn or Jobsite) \_\_\_\_\_

**Dual Wall HDPE** quoted as ALT to Corrugated Metal Pipe advertised. All HDPE pipe to be AASHTO (Highway) rated M294 or M252 for use under roadway applications capable of H-25 traffic loads (per manufacturers recommended installation procedures).

**INTERLOCKING STEEL SHEET PILING: price per square foot:**

GAUGE	(18" BLACK)	(18" GALVANIZED)	(21.7" BLACK)	(21.7" GALVANIZED)
7 gauge	_____	_____	_____	_____
8 gauge	_____	_____	_____	_____
10 gauge	_____	_____	_____	_____
12 gauge	_____	_____	_____	_____

**FLEXIBLE DELINEATOR POSTS: price per dozen:**

(4-inch width – 3 inch x 12 inch reflector sheeting on top)

4" x 62" \_\_\_\_\_  
4" x 72" \_\_\_\_\_

**BRIDGE CONSTRUCTION:**

**(DISTRICT #1 ONLY)**

(This will be awarded to the combined lowest and best bid).

Crane with pile-driver and operator: price/hour travel time not included: \_\_\_\_\_

Does this include travel time? \_\_\_\_\_

Welding Unit and Operator to do bridge construction: price/hour travel time not included: \_\_\_\_\_

Does this include travel time? \_\_\_\_\_

Welder Helper: price per hour: \_\_\_\_\_ Forklift: price per hour: \_\_\_\_\_

VENDOR SHALL SUPPLY GENERAL LIABILITY AND WORKERS-COMPENSATION INSURANCE VERIFICATION, AND SHALL ALSO SUPPLY A PERFORMANCE BOND.

**BRIDGE CONSTRUCTION:**

**(DISTRICT #1 ONLY)** Trackhoe with operator: price/hour travel time not included: \_\_\_\_\_

**GALVANIZED BRIDGE PLANKS: 6X2 (LAYS 24"):**

GAUGE	WEIGHT PER SQ. FOOT:	PRICE PER SQ. FOOT:
12	6.2#	_____
10	8.0#	_____
7	10.7#	_____



RESPECTFULLY SUBMITTED BY: \_\_\_\_\_

**RETURN ONLY THE PAGES THAT YOU HAVE BID ON**

BID PROPOSAL  
CANADIAN COUNTY

DATE: \_\_\_\_\_

NAME OF FIRM: \_\_\_\_\_

**BIDDER AGREES TO COMPLY WITH ALL TERMS AND CONDITIONS OF BID**

**BLACK BRIDGE PLANKS: 6x2 (LAYS 24"):**

12	6.0#	_____
10	7.14#	_____
7	10.5#	_____

ALL GAUGES AVAILABLE IN BLACK OR HOT-DIPPED GALVANIZED STEEL. GAUGE 10-12: ASTM DESIGNATED a446 GRADE B, ZINC COATED TO CLASS G210 PER ASTM DESIGNATED A525. GAUGE 7: ASTM DESIGNATED A570 GRADE 36, ZINC COATED TO ASTM DESIGNATED A123 EXCEPT THAT THE ZINC SHALL BE APPLIED AT A RATE OF 2.0 OZ./SQ/FT. TOTAL BOTH SIDES.

**HAULING OF ROCK - END DUMP TRAILER - PRICE PER LOADED MILE:**

FROM RICHARD SPUR: \$ _____	FROM CYRIL: \$ _____	FROM COOPERTON: \$ _____
FROM GREENFIELD: \$ _____	FROM HYDRO: \$ _____	FROM DAVIS: \$ _____
FROM GRANITE: \$ _____	FROM MILL CREEK: \$ _____	FROM CARNEGIE: \$ _____
FROM WATONGA: \$ _____		

**HAULING OF ROCK - BELLY DUMP TRAILER - PRICE PER LOADED MILE:**

FROM RICHARD SPUR: \$ _____	FROM CYRIL: \$ _____	FROM COOPERTON: \$ _____
FROM GREENFIELD: \$ _____	FROM HYDRO: \$ _____	FROM DAVIS: \$ _____
FROM GRANITE: \$ _____	FROM MILL CREEK: \$ _____	FROM CARNEGIE: \$ _____
FROM WATONGA: \$ _____		

**ATTENTION VENDOR: FOR ALL THE ABOVE HAULING LIST NUMBER OF BELLY AND END DUMP TRAILERS THAT ARE AVAILABLE: \_\_\_\_\_ BELLY**

**\_\_\_\_\_ END**

**THIS MAY DETERMINE BID AWARD. (MUST HAVE A MINIMUM OF (6) SIX TRUCKS)**

RESPECTFULLY SUBMITTED BY: \_\_\_\_\_



RETURN ONLY THE PAGES THAT YOU HAVE BID ON

BID PROPOSAL
CANADIAN COUNTY

DATE: \_\_\_\_\_

NAME OF FIRM: \_\_\_\_\_

BIDDER AGREES TO COMPLY WITH ALL TERMS AND CONDITIONS OF BID

HAULING OF ALL SIZES OF RIP RAP: END DUMP; PRICE PER LOADED MILE:

FROM RICHARD SPUR: \$ \_\_\_\_\_ FROM CYRIL: \$ \_\_\_\_\_ FROM COOPERTON: \$ \_\_\_\_\_
FROM GREENFIELD: \$ \_\_\_\_\_ FROM HYDRO: \$ \_\_\_\_\_ FROM DAVIS: \$ \_\_\_\_\_
FROM GRANITE: \$ \_\_\_\_\_ FROM MILL CREEK: \$ \_\_\_\_\_ FROM WEATHERFORD: \$ \_\_\_\_\_
FROM SOUTHARD: \$ \_\_\_\_\_ FROM WATONGA: \$ \_\_\_\_\_ FROM OKARCHE: \$ \_\_\_\_\_

ATTENTION VENDOR: FOR ALL RIP RAP HAULING LIST NUMBER OF BELLY AND END DUMP TRAILERS THAT ARE AVAILABLE: \_\_\_\_\_ BELLY
\_\_\_\_\_ END
THIS MAY DETERMINE BID AWARD.

PRIME OIL APPLICATION: PRICE PER MILE: 18' ROADWAY 20' ROADWAY 22' ROADWAY
1) Vendor will furnish equipment, labor and oil. \$ \_\_\_\_\_ \$ \_\_\_\_\_ \$ \_\_\_\_\_
2) Vendor will furnish equipment and labor. County will furnish oil. \$ \_\_\_\_\_ \$ \_\_\_\_\_ \$ \_\_\_\_\_

VENDOR TO FURNISH TRAFFIC CONTROL

CONCRETE: FURNISHED AND UNLOADED; PRICE PER CUBIC YARD: (All current ODOT specifications apply including water/cement and air content)

Table with columns for PSI STRENGTHS (2500, 3000, 3500, 4000, 3500 High Early) and rows for locations: GEARY, OKARCHE, PIEDMONT, CALUMET, EL RENO, YUKON, MAPLE, WALNUT, UNION CITY, MUSTANG.

VENDOR'S PRICE PER HOUR OF HOLDING TIME: \$ \_\_\_\_\_

WHEN DOES HOLDING TIME BEGIN? \_\_\_\_\_

IS THERE A MINIMUM ORDER AMOUNT TO PREVENT FREIGHT CHARGES? \_\_\_ YES \_\_\_ NO

WHAT IS THE MINIMUM ORDER AMOUNT? \_\_\_\_\_

RESPECTFULLY SUBMITTED BY: \_\_\_\_\_



RETURN ONLY THE PAGES THAT YOU HAVE BID ON
BID PROPOSAL
CANADIAN COUNTY

DATE: \_\_\_\_\_

NAME OF FIRM: \_\_\_\_\_

BIDDER AGREES TO COMPLY WITH ALL TERMS AND CONDITIONS OF BID

CONCRETE (Continued)

VENDOR'S TIME FOR DELIVERY ONCE ORDER IS PLACED? \_\_\_\_\_
VENDORS BIDDING ON CONCRETE SHALL USE THE ENCLOSED TRUCKING DISTRICT MAPS FOR EACH LOCATION.
THE PRICE BID PER LOCATION LISTED WILL BE USED IN THE BOUNDARY AREA.

INSURANCE: SUCCESSFUL BIDDER WILL BE REQUIRED TO PROVIDE ASSURANCE TO INDEMNIFY AND SAVE
HARMLESS THE COUNTY FROM ANY LIABILITY OR DAMAGE TO PRIVATE OR PUBLIC PROPERTY OF LIFE
SUSTAINED IN THE PROCESS OF TRANSPORTING.

ASPHALT RECLAIMING: IN PLACE: price/sq yard: 3" to 6" depth: \_\_\_\_\_ 6" to 9" depth: \_\_\_\_\_
Vendor to furnish equipment and operator. Awarded vendor will need to furnish proof of liability insurance. Vendor will have 48
hours notice for each job required by the County Commissioner.

COLD MILLING ASPHALT: price/sq. yard: 2" depth: \_\_\_\_\_ full depth: \_\_\_\_\_ (County will haul)
Vendor to furnish equipment and operator. Awarded vendor will need to furnish proof of liability insurance. Vendor will have 48
hours notice for each job required by the County Commissioner.

RAILROAD TANK CARS WITH THE ENDS REMOVED-TANK CARS SHALL BE READY TO INSTALL. PRICE SHOULD
INCLUDE DELIVERY.

Table with 2 columns: PRICE PER FOOT and dimensions (6', 7', 8', 9', 6' 6", 7' 6", 8' 6", 9' 6").

RAILROAD FLATCARS: PRICE PER FOOT: 8' \_\_\_\_\_ 9' \_\_\_\_\_ 10' \_\_\_\_\_

10' DIAMETER 1/2 TANK DELIVERED WITH MINIMUM 15" WIDE CHANNEL IRON FOOTERS, MINIMUM 3/4" THICK.

Table with 4 columns: PRODUCT And AREA, PRICE PER TON, PRICE/0 - 10,000 SQ. YDS, OVER 10,000 SQ. YDS. Rows include KILN DUST, Geary, Okarche, Piedmont, Calumet, El Reno, Yukon, Maple, Walnut, Union City, Mustang.

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BID PROPOSAL  
CANADIAN COUNTY

DATE: \_\_\_\_\_

NAME OF FIRM: \_\_\_\_\_

**BIDDER AGREES TO COMPLY WITH ALL TERMS AND CONDITIONS OF BID**

**SPECIFICATIONS FOR SUBGRADE MODIFICATION:**

**DESCRIPTION:** This work shall consist of constructing one or more courses of a mixture of soil, fly ash, lime or cement kiln dust as required and water, in accordance with these specifications and in reasonably close conformity with the lines, grades and typical cross sections shown on the Plans or established by the Engineer.

**MATERIALS:** Materials shall meet the requirements specified in the following Sections and Subsections of Section 700-Materials  
CEMENT KILN DUST AS PER SPECIFICATIONS

**DELIVERED MATERIAL COSTS:**

Delivered cost to any designated area in the following delivery zones. The total delivered cost shall include the cost of the material, all applicable hauling costs including but not limited to, dump or spread fees, fuel surcharges, loading, unloading and or weighing costs. Use trucking district map enclosed for detail on zone area.

Notice required by vendor prior to delivery: \_\_\_\_\_ hours  
We agree to deliver within a 2 hour time window of the specified delivery time. YES \_\_\_ NO \_\_\_  
List any exceptions to specifications: \_\_\_\_\_

Material Manufacturer: \_\_\_\_\_  
Location: \_\_\_\_\_  
Dealer Name: \_\_\_\_\_ Contact Person: \_\_\_\_\_

**MATERIAL:**

Cement Kiln Dust for soil stabilization: The cement kiln dust is to be used for soil stabilization in lieu of lime or fly ash: Cement Kiln Dust is required to meet the following chemical composition:  
S102 14.30% AL2O3 3.50% Fe2O3 1.79% CaO 48.46% MgO 1.65% SO3 4.25%  
Na2O 0.32% K2O 3.08% LOI 20%

The material should have a free lime content of 8 to 10% with a bulk density of 70 to 80lbs. a cubic foot. The material should be free of clumps or partially set CKD. Material that has become wet or partially set will not be accepted for payment and will be removed from the roadway at the cost of the vendor. The material should be delivered in closed or tarped trucks to the jobsite. The vendor is advised that timely delivery will be required. The successful bidder may be required to deliver as many as ten loads per day, all within a two hour time window. Untimely delivery will be considered grounds for revocation of this bid contract.

**EQUIPMENT:**

**GENERAL:** All earthwork equipment necessary for construction of stabilized sub-grade shall be in good operating condition, and equipped with all safety equipment required by law. The following equipment is subject to the specifications below and furnished in accordance with the requirements of the contract.

**TRAVELING PLANTS:** Traveling plants used for asphalt pulverization and soil mixing shall be equipped with carbide teeth and shall be capable of mixing up to one foot in depth in a single pass.

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**BIDDER AGREES TO COMPLY WITH ALL TERMS AND CONDITIONS OF BID**

**COMPACTORS:** Equipment for compaction shall meet the requirements of section 301 subsection C2 and C3 (ODOT Standard Specifications, 1988 Edition) with the following additions. The soil compactor shall be vibratory and have a minimum drum width of 84 inches. The contractor shall also have a self-propelled pneumatic roller, not less than 5 tons in weight that covers a rolling width of 60 inches.

**WATERING EQUIPMENT:** Water trucks or water wagons will have positive and rapidly working valves and a pressurized water spray system that delivers the water in a uniform spray pattern. Gravity feed water systems will not be allowed.

**CONSTRUCTION METHODS:**

**GENERAL:** It is the primary requirement of these specifications to secure a completed course or courses of sub-grade materials containing a uniform mixture of the stabilization additive required, with uniform density and moisture content, free from loose or segregated area and well bound for its full depth with a smooth surface suitable for placing subsequent courses. It shall be the responsibility of the contractor to regulate the sequence of his work, to use the prescribed amount of stabilization additive, to maintain the work and re-work the courses as necessary to meet the above requirements.

**WEATHER LIMITATIONS:** Stabilization operations shall not be performed when the sub-grade is frozen or when the air temperature in the shade is less than 40 degrees F. The contractor shall be responsible for the protection and quality of the modified sub-grade mixture under any weather conditions.

**PREPARATION OF EXISTING ROADBED:** Prior to stabilization, the roadbed shall be thoroughly pulverized to the point that all the processed and broken asphalt will pass a 3-inch sieve. Except by special permission from the Engineer, the length of roadway that may be pulverized at any time shall not exceed the length in which stabilization and compaction can be completed in two calendar days. The road bed will then be shaped and graded to be in reasonably close in conformity with the typical section, lines and grades as shown on the plans or as established by the Engineer. The contractor may be required to proof roll the sub-grade and to correct any soft areas that this rolling may reveal.

**SCARIFYING AND LOOSENING:** In some instances, scarifying and loosening may be required prior to stabilization to achieve the desired results as determined by the Engineer. Precautions shall be taken to avoid forming furrows of loosened material below the depth specified for the bottom of the modified sub-grade. Except by special permission from the Engineer, the length of roadway scarified and loosened at any time shall not exceed the length in which mixing compaction can be completed in two calendar days. In sub-grade extents designated on the Plans or by the Engineer as having excessive rock, the dimensions or quantities of which 25 percent or more are greater than 2.5 inches in size makes compliance with these specifications impractical, the Engineer may waive certain portions of the work as described below. The Engineer may require exploratory scarifying by the Contractor before designation of extents for which full compliance of these specifications is waived.

**APPLICATION OF STABILIZATION MATERIALS:** The proportion of the material indicated on the plans is approximate. The material shall be applied at the rate prescribed by the Engineer based on tests of the sub grade soil. Equipment necessary for proper control of the application rate shall be provided by the Contractor. Where tests indicate a significant change in the sub-grade soil, the Engineer will establish a new rate as deemed necessary for the section of road affected and prescribe a new application rate. Dry methods of application shall be utilized for placement of the cement kiln dust and fly ash onto the sub grade. Equipment for spreading shall be approved types which demonstrate the ability to distribute the material uniformly. Stabilization shall not be attempted when wind conditions are such that blowing dust becomes objectionable to traffic or adjacent property owners. Materials shall be placed only on that area of roadway where mixing, compaction and finishing can be completed in the same day. (Initial Mixing for lime) During the interval of time between application and completion of the first mixing operations, fly ash or cement kiln dust that has been exposed to weather conditions resulting in excessive wetting or excessive loss by blowing will not be accepted for payment. Stabilization material unacceptable as the result of wetting shall be removed from the roadway at the direction of the Engineer.

**MIXING:**

**GENERAL:** Spreading and mixing of fly ash or cement kiln dust material and the sub-grade soil shall be a continuous construction operation. The work area for a single traveling plant shall not exceed 4,000 square yards per day unless otherwise authorized by the Engineer.



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**BIDDER AGREES TO COMPLY WITH ALL TERMS AND CONDITIONS OF BID**

**FIRST MIXING:** The moisture content of the sub-grade soil shall not exceed 80 percent of the optimum as determined as AASHTO T 99 at the time of first mixing. The soil and stabilization additive shall be mixed until a uniform mixture is obtained in which all clods and non-aggregate lumps are reduced to a maximum of 2.5 inch diameter size. The addition of water will not be permitted during the first mixing. First mixing operations shall begin no later than four hours after application of the additive. When deemed necessary by the Engineer, any portion of the work area shall be rescarified and additional material added to ensure adequate soil modification.

**CURING PERIOD:** There will be a mandatory curing period of 48 hours when lime is used for stabilization. The sub-grade will be kept damp during the curing period and free of ruts or depressions that hold any excessive water on the sub-grade. There will be no curing period or delay allowed between the first and final mixing of fly ash or cement kiln dust, these products must be installed in a continuous operation.

**FINAL MIXING:** After the soil and stabilization materials have been satisfactorily mixed, additions of water shall be made in the final mixing operations to complete the stabilization process. The method of mixing shall be an approved procedure utilizing a traveling mixing plant, which demonstrates uniform dispersion of stabilization material and water throughout the soil materials. The quantity of water necessary for the final mixing operations will vary with the nature of the materials normally 1 to 3 percentage points above the optimum moisture content of the compacted modified soil. Sufficient water in any case shall be added in the final mixing process to insure chemical action between the stabilization material and the soil. To insure proper moisture and density control, the contractor shall employ a qualified technician with a nuclear density gauge to confirm the moisture content of the sub-grade during the final mixing process. All clods (exclusive of aggregate) shall be reduced in size by mixing until the soil-cement kiln dust mixture meets the following size requirements when tested with laboratory sieves:

SIEVE SIZE:	PERCENT PASSING
1 ½ inch	100 for lime, fly ash or cement kiln dust
¾ inch	50 minimum for fly ash or cement kiln dust
#4	50 minimum for lime

**COMPACTION:**

Compaction of the stabilized base shall be performed immediately after final mixing, where in the compaction operation shall be a continuation of the final mixing operation. The sub-grade shall be compacted without delay and before any applicable loss of mixing moisture occurs. Mixing and compaction operations shall be performed in such a manner that the mixture will be compacted within plus 3 percentage points or minus 1-percentage points of optimum moisture content. However, during the course of construction, changes or adjustments in the specified moisture requirements to meet field conditions may be authorized by the engineer. Compaction shall continue until the entire depth of the mixture is uniformly compacted to not less than 95% of standard proctor density. The rate of operation and the number of rollers shall be sufficient to uniformly compact the section of roadway being processed within 3 hours of final mixing for fly ash or kiln dust.

The material shall be continually sprinkled and rolled. All irregularities, depressions or weak spots which develop shall be corrected immediately by scarifying the area affected, adding or removing material as required and reshaping and re-compacting by sprinkling and rolling.

In addition to the requirements specified for density, the full depth of the material shown on the plans shall be uniformly compacted to the extent necessary to remain firm and stable under construction equipment. After each section is completed, density tests as necessary will be made by the Engineer for acceptance. If the material fails to meet the density requirements, it shall be reworked as necessary to meet these requirements. Throughout this entire operation the shape of the base course shall be maintained and the surface upon completion shall be smooth and in conformity with the typical section shown on the plans and to the established lines and grades. Should the material, due to any reason or cause, lose the required stability, density or finish before the next course is placed of the work accepted; it shall be reworked and refinished at the sole expense of the Contractor.

In areas designated by the Engineer as excessive rock areas, it is the intent that compaction be in substantial compliance with these specifications. However, it is recognized that in some instances the mixture may not be uniform and some variation is possible in both the target density and optimum moisture. In the event the in-place density tests are not practical due to varying amounts of



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aggregate in the stabilization mixture, the Engineer may waive the density and moisture content requirements, and approve the sub grade compaction by visual observation with a approved test roller that has a minimum loaded weight of 25 tons.

**FINISHING AND CURING:** After the final layer of the modified sub grade has been compacted, it shall be brought within reasonable compliance to the lines, grades and typical sections. The completed section shall then be finished with a suitable roller sufficiently light to prevent hair cracking. The modified materials shall be maintained at a moisture content satisfactory for proper curing by sprinkling for a period of 14 days or until a prime, seal, or succeeding course is placed, whichever occurs first.

**SURFACE TOLERANCE:**

The finished surface tolerance shall be in conformity with Section 301 (ODOT Standard Specifications, 1988 Edition).

**METHOD OF MEASUREMENT:**

- (a) Cement Kiln Dust will be measured by the ton.
- (b) Modified sub-grade will be measured by the square yards of sub-grade modification completed in place.
- (c) Water will not be measured for payment.

**BASIS OF PAYMENT:** Accepted quantities for modified sub-grade measured as provided above, will be paid for at the contract unit price for:

- (d) Cement Kiln Dust                      TON
- (e) Sub-grade Modification              SQ. YARD

which shall be full compensation for furnishing all materials, equipment, labor and incidentals to complete the work as specified. Payment for quick lime shall be based upon a 90 percent available lime index by rapid sugar method, calculated as percent CaO by weight. Payment for hydrated lime shall be based upon a 90 percent available lime index, by rapid sugar method, calculated as percent Ca(OH)<sub>2</sub> by weight. When the available lime index percentage falls below 90 percent, payment will be made at an adjusted price. The adjusted price shall be reduced at the rate of one percent of the contract unit bid price for lime and for each percent, or fraction thereof, from 90.0 percent down to and including an available lime index of 80.0 percent. When the available lime index falls below 80.0 percent for the type of lime used, the contractor shall add a sufficient quantity of additional lime of the same type to bring the total amount to the required 90.0 percent of the available lime index at no additional cost to the department.

Bidder agrees to furnish and deliver the materials called for in bid specifications at the various locations and Districts listed above for the unit prices indicated. Delivery will be in truckload lots.

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BIDDER AGREES TO COMPLY WITH ALL TERMS AND CONDITIONS OF BID

BITUMINOUS SEAL COAT: MATERIAL APPLIED AND FURNISHED PER MILE:
18' ROADWAY 20' ROADWAY 22' ROADWAY

SPECIFICATIONS: Seal Coat to be applied at the minimum rate of 0.05, to a maximum of 0.10 gallons of residual per square yard of surface area. The residual per square yard will be determined by the COUNTY by the surface condition. Seal coat will be capable of enhancing the existing bituminous chip materials as listed below:

- a) Penetration increases a minimum of three (3) points.
b) Absolute viscosity reduced a minimum of 20%.
c) Ductility increased a minimum of 30%.
d) Material to increase high temperature stability.
e) Delay the aging of the existing bituminous materials.
f) Improve low temperature flexibility.
g) Improve adhesion to reduce aggregate loss.
h) Eliminate moisture penetration.
i) Penetrate into the first layer of chip to give more flexibility.
j) Decrease cracking and bleeding problems.
k) Eliminate hairline cracks of less than 1/4 inch.
l) The sealer will not track or bleed after it has cured.

The County reserves the right to test the existing road surface (oil material) before and after the Seal Coat application to determine the changed induced by the Seal Coat. Bid price to include the cost per square yard to furnish and apply the material. Material to be guaranteed for one (1) year when applied according to Manufactures Construction Methods. Traffic control to be furnished by the Vendor.

SPECIFICATION: Refer to current ODOT Specifications, Section 402, Special Bituminous Surface Treatment, 402.01 Special Description. Minimum of 1/2 mile.

BLEED CONTROL EMULSION: MATERIAL APPLIED PER GALLON IN PLACE: \$ \_\_\_\_\_
MATERIAL PER GALLON \$ \_\_\_\_\_

MOWING/LAWN CARE: (To include Judicial Building, Courthouse, Yukon Health Department, Sheriff's Office, Free Fair, ODOT Building and OSU Extension) ALSO WORK TO BE DONE ON COUNTY OWNED LOTS - INCLUDING TREASURER'S PROPERTY. WORK TO INCLUDE MOWING, WEED-EATING, EDGING, HEDGING, TRASH REMOVAL, BRUSH HOG AND TRACTOR. LOTS AND LAWNS WILL BE INSPECTED BEFORE PAYMENT IS MADE. NO SUB-CONTRACTING WILL BE ALLOWED. (This Bid will be awarded to the combined lowest and best bid). 1-HOUR MINIMUM. Vendor is also required to have proof of Insurance. List all equipment. Awarded contractor must contact the Chairman of the Canadian County Commissioners 48 hours prior to doing work for authorization to proceed. Additionally: Chairman must be notified within 24 hours of work completion or job is subject to no pay.

Table with 2 columns: Item Name and Price. Items include BRUSH HOG AND TRACTOR PER HOUR, HAND MOWING PER HOUR, RIDING MOWER PER HOUR, WEED-EATING PER HOUR, EDGING PER HOUR, HEDGING PER HOUR, TRASH REMOVAL PER HOUR.

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**BIDDER AGREES TO COMPLY WITH ALL TERMS AND CONDITIONS OF BID**

**SPRAYING FOR WEEDS FOR ALL COUNTY BUILDINGS:** (To include Judicial Building, Courthouse, Yukon Health Department and Sheriff's Office.) \$ \_\_\_\_\_ per sq. yd.

LOTS AND LAWNS WILL BE INSPECTED BEFORE PAYMENT IS MADE. NO SUB-CONTRACTING WILL BE ALLOWED.

**BILLS WILL BE PRESENTED AT TWO WEEK INTERVALS-PAYMENT WILL BE MADE WITHIN 2 WEEKS.**

**FOOD FOR CANADIAN COUNTY JAIL AND/OR CANADIAN COUNTY JUVENILE JUSTICE DETENTION CENTER: JAIL LOCATION: 208 W. ROGERS EI RENO, OK / DETENTION CENTER: 7905 E. HWY. 66 EL RENO, OK**

GROUND BEEF: price per pound: \$ \_\_\_\_\_ : purchase for jail and detention center.

CHICKEN LEGS: price per pound: \$ \_\_\_\_\_ : purchase for detention center only.

CHICKEN THIGHS: price per pound: \$ \_\_\_\_\_ : purchase for detention center only.

CHICKEN QUARTERS: price per pound: \$ \_\_\_\_\_ : purchase for detention center only.

**DELIVERIES ARE TO BE MADE TO CANADIAN COUNTY JAIL OR CANADIAN COUNTY JUVENILE JUSTICE CENTER. MEAT ORDERS ARE TO BE DELIVERED WITHIN 5 DAYS OF RECEIVING ORDER.**

**RENTAL OF EQUIPMENT:** See Terms and conditions.

EQUIPMENT:	HP:	WGT/YDS:	PRICE PER:		WEEK:	MONTH:
			MODEL:			
ASPHALT RECLAIMER	_____	_____	_____		\$ _____	\$ _____
	_____	_____	_____		\$ _____	\$ _____
	_____	_____	_____		\$ _____	\$ _____
PULVA MIXER	_____	_____	_____		\$ _____	\$ _____
	_____	_____	_____		\$ _____	\$ _____
	_____	_____	_____		\$ _____	\$ _____
DISTRUBUTOR TRUCK (County to furnish oil)	_____	_____	_____		\$ _____	\$ _____
	_____	_____	_____	With Operator	\$ _____	\$ _____
	_____	_____	_____	Without Operator	\$ _____	\$ _____

**TERMS AND CONDITIONS:** Awarded Vendor shall deliver and pickup equipment to location ordered by Canadian County. County will carry at its own expense general liability insurance. Vendor will perform the regular manufacturers scheduled maintenance intervals (other than daily and weekly for which the County is responsible) including replacement of wear items, tires and undercarriage components during the term of the rental. Other than replacement due to damage resulting from County's negligence or from vandalism. County agrees to notify Vendor when the service meter indicates scheduled maintenance is due and to make the equipment available to complete the required maintenance. Vendor will perform the regular manufacturer's scheduled maintenance intervals including replacement of wear items, tires and Vendor will furnish to the County all fluids, filters and

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replaceable wear items in the event County wishes to perform the equipment maintenance after normal working hours or on weekends. Scheduled maintenance must be performed at no less than 250 service meter hours or 6 weeks use. County is responsible for the cost of all repairs due to abuse, damage, neglect, and improper operation, failure to replace wear items or perform manufacturer's recommended daily and weekly lubrication and inspections. County will pay such repair costs. Vendor is responsible for all other repairs and Vendor and County will determine the locations and extent of such repairs. County will return the equipment in the same condition as received, less reasonable wear and tear. County will have no option to purchase the equipment rented.

**COUNTY AND VENDOR WILL NEED A SIGNED EQUIPMENT RENTAL AGREEMENT APPROVED BY THE BOARD OF COUNTY COMMISSIONERS BEFORE THE RENTAL PROCESS IS TO BEGIN. THE RENTAL AGREEMENT WILL BE INITIATED AND SUPPLIED BY THE AWARDED VENDOR.**

**LIQUID CALCIUM CHLORIDE:** Liquid Calcium Chloride is to be delivered and installed in place at jobsite location ordered by Canadian County. Product shall meet the following specifications:

Liquid Calcium Chloride – 34%, 38% (CaCl<sub>2</sub>) liquid solution to meet or exceed ASTM D-98-87 and AASHTO M144-86 specifications. 4,000 minimum order load.

**PRICE PER GALLON @34%: \_\_\_\_\_.**

**PRICE PER GALLON @38%: \_\_\_\_\_.**

**MAGNESIUM CHLORIDE:** (MgCl<sub>2</sub>) (Commercial Grade) Minimum 31% MgCl<sub>2</sub> liquid solution. Unit price will be reduced for any loads not meeting the minimum % MgCl<sub>2</sub> solid furnished. 4,300 Minimum order load.

**PRICE PER GALLON @31%: \_\_\_\_\_.**

Products bid are liquid solution, not requiring any mixing, blending or dissolving. Delivery of product shall begin within 24 hours of placing order. A material's certification may be required to be furnished with each truckload.

**APPLICATION: for both calcium and magnesium chloride.**

1. Vendor is to provide application of liquid CaCl<sub>2</sub> solution stabilization agent to roadway. County is not responsible for applying liquid CaCl<sub>2</sub> stabilizer.
2. Application equipment shall be a pressurized spray unit specifically designed for road treatment and application of liquid CaCl<sub>2</sub> stabilization agent. Application equipment shall be able to spray up to 24 ft. wide in one pass and capable of applying CaCl<sub>2</sub> stabilizer at an application rate of 0.25 – 0.35 gallon per square yard per single pass.
3. If county is applying CaCl<sub>2</sub> with a re-claimer, vendor will apply CaCl<sub>2</sub> as a topcoat at a rate of 0.25 per gallon per square yard in one pass.
4. County will prepare the roadbed prior to contractor applying CaCl<sub>2</sub>. Application rate, width of application will be determined at the jobsite by the project supervisor.

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DRY CALCIUM CHLORIDE AND DRY MAGNESIUM CHLORIDE: product shall be delivered to various locations in Canadian County, no applications will be required with the purchase of the dry product. The bid price shall include the delivery charges. No surcharges will be allowed.

- 1. Dry Calcium Chloride Pellets: 40 lb. bag, 50 lb. bag, 80 lb. bag, 50 lb. box, 100 lb. box, 100 lb. drum
2. Dry Magnesium Chloride: 50 lb. bag

NOTE: DELIVERY OF LIQUID CALCIUM CHLORIDE, LIQUID MAGNESIUM CHLORIDE, DRY CALCIUM CHLORIDE AND DRY MAGENSIUM CHLORIDE SHALL BEGIN WITHIN 24 HOURS OF PLACING ORDER.

OIL AND CHIPPING

20'ROADWAY

22'ROADWAY

(as per ODOT 2009 Standard Specifications Section 403 - See Attachment Exhibit "B")
(price per mile) SINGLE BITUMINOUS

- 1) Asphalt chipping complete Vendor will furnish everything. Include rolling & prime coat.
2) Vendor will furnish equipment and labor, including rolling. County will furnish oil and chips.
3) County to furnish oil, Vendor to furnish all other.
4) County to furnish chips, Vendor to furnish all other.

VENDOR TO FURNISH TRAFFIC CONTROL

OIL AND CHIPPING

20'ROADWAY

22'ROADWAY

(as per ODOT 2009 Standard Specifications Section 403 - See Attachment Exhibit "B")
(price per mile) DOUBLE BITUMINOUS

- 1) Asphalt chipping complete Vendor will furnish everything. Include rolling & prime coat.

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**BIDDER AGREES TO COMPLY WITH ALL TERMS AND CONDITIONS OF BID**

**(Continued)**

**OIL AND CHIPPING**

**(as per ODOT 2009 Standard Specifications Section 403 – See Attachment Exhibit “B”)**

(price per mile)

**20’ROADWAY**

**22’ROADWAY**

DOUBLE BITUMINOUS

2) Vendor will furnish equipment and labor, including rolling. County will furnish oil and chips.

\_\_\_\_\_

3) County to furnish oil, Vendor to furnish all other.

\_\_\_\_\_

4) County to furnish chips, Vendor to furnish all other

\_\_\_\_\_

**VENDOR TO FURNISH TRAFFIC CONTROL**

**OIL AND CHIPPING**

**(as per ODOT 2009 Standard Specifications Section 403 – See Attachment Exhibit “B”)**

(price per mile)

**20’ROADWAY**

**22’ROADWAY**

DOUBLE BITUMINOUS

1) To furnish equipment, materials and traffic Control for prime coat, price per mile.

AEP Oil: \_\_\_\_\_

MC-30Oil: \_\_\_\_\_

2) To furnish equipment, materials and traffic control for SS-1 Fog Seal – 70/30 mix @.10 gal sq. yd. price per mile.

\_\_\_\_\_

3) To furnish equipment, materials and traffic control for CQS-1F (Quick setting, higher oil residual content.)

\_\_\_\_\_

**VENDOR TO FURNISH TRAFFIC CONTROL**

**ROADBOND LIQUID STABILIZER-(EN-1)**

1. DESCRIPTION:

This specification shall govern for any liquid stabilizer **equal or approved equal to patented EN-1** intended primarily as a material stabilizer for mixing and compacting material in accordance with specifications governing base and/or sub-grade courses.

2. MATERIAL:

**Roadbond (EN-1)** Soil Stabilizer is a sulfonated D-limonene bioenzyme, which contains a strong oxidizer, a powerful solvent, and natural dispersant that interacts with natural road materials.

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**ROADBOND LIQUID STABILIZER-(EN-1)**  
**(Continued:)**

3. REQUIREMENTS:

**Roadbond** liquid stabilizer shall be stored and handled in closed, five (5) gallon weatherproof containers until immediate distribution on the road. **Roadbond** materials must be stored in covered storage and well ventilated with adequate protection from flooding or damage.

Price per gallon: \$ \_\_\_\_\_

Bidder agrees to deliver asphaltic materials in truck tank lots within 24 hours notice from the County Purchasing Department. The material shall be maintained at satisfactory temperature until it is loaded into the County Equipment. Demurrage or delivery charges will be allowed in case of delay or failure of the county to accept the material because of breakdown of county equipment or weather conditions. Place of delivery shall be listed on the invoice. Failure to the supplier to deliver materials at the proper time and place as ordered by the County can result in loss of time charge affected by the County on the supplier Asphaltic Materials shall meet ODOT Specifications "Section 700 Materials" Current Edition. Materials delivered shall have certified test reports furnish by Vendor showing material meets specifications.

**ASPHALTIC MATERIALS-FOB CANADIAN COUNTY JOBSITE-PRICE PER GALLON:**

AC 7.5	_____	MINIMUM LOAD	_____
AC	_____		
MC 30	_____	DEMURRAGE CHARGE	_____
MC 800	_____		
MC 3000	_____		
SS 1	_____		
SS 1H	_____	PUMP CHARGE	_____
CRS 2	_____		
MS 2	_____	APPLICATION OF MATERIALS:	
CMS 1	_____	PER GALLON \$	_____
CRS2+	_____		
AEP	_____		

**HOT MIX ASPHALT S4 -FOB \_\_\_\_\_ PLANT, SPECIFY LOAD MINIMUM**

PRICE PER TON:	(LOCATION)	
	5 TONS OR LESS	MORE THAN 5 TONS
HOT MIX ASPHALT	_____	_____
SAND ASPHALT	_____	_____
HOT MIX COLD LAY	_____	_____

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<b>ROAD ROCK: price per ton:</b>	<b>(please specify pit)</b>		<b>(OTHER)</b>
	FOB RICHARD SPUR	FOB CYRIL:	FOB _____
*3/8" #2 cover	_____	_____	_____
*5/8" #3 cover	_____	_____	_____
*5/8" #3 washed cover	_____	_____	_____
*3/8" #2 washed cover	_____	_____	_____
1/4" shot	_____	_____	_____
*3/4" #1 cover	_____	_____	_____
1/2" crusher run	_____	_____	_____
3/4" crusher run	_____	_____	_____
1 1/2" crusher run	_____	_____	_____
Surge Rock 4";6";8"	_____	_____	_____
3/8" screenings	_____	_____	_____
1" crusher run	_____	_____	_____
1/4" granite chips	_____	_____	_____
3/8" granite chips	_____	_____	_____
1/2" #57	_____	_____	_____
1/2" Class B	_____	_____	_____
1" #67	_____	_____	_____
Aggregate Base	_____	_____	_____
Type "A" Rock	_____	_____	_____
Rip Rap	_____	_____	_____

**ON ALL SURGE ROCK, PLEASE SPECIFY 4", 6", 8".**

<b>PROCESSED GYP-</b>	<b>PRICE PER TON:</b>		<b>(OTHER PIT)</b>
	FOB WEATHERFORD	FOB SOUTHARD	FOB _____
1/2" crusher run	_____	_____	_____
3/4" crusher run	_____	_____	_____
2" clean	_____	_____	_____
3/4" clean	_____	_____	_____
6" surge	_____	_____	_____
Screenings	_____	_____	_____
Pit run	_____	_____	_____

**CRUSHER RUN GYP – PICKED UP BY THE COUNTY**

**PIT LOCATION:** \_\_\_\_\_

**PRICE PER TON:** \_\_\_\_\_

3" minus \_\_\_\_\_

RESPECTFULLY SUBMITTED BY: \_\_\_\_\_



RETURN ONLY THE PAGES THAT YOU HAVE BID ON  
BID PROPOSAL  
CANADIAN COUNTY

DATE: \_\_\_\_\_

NAME OF FIRM: \_\_\_\_\_

**BIDDER AGREES TO COMPLY WITH ALL TERMS AND CONDITIONS OF BID**

**ROCK PICKED UP BY THE COUNTY FROM  
PLANT IN YUKON: PRICE PER TON:**

- \*3/8" #2 cover \_\_\_\_\_
- 5/8" #3 cover \_\_\_\_\_
- 1/2" #57 (A) \_\_\_\_\_
- 1/2" #57 (B) \_\_\_\_\_
- 3/4" #1 cover \_\_\_\_\_
- 1/2" crusher run \_\_\_\_\_
- 1" #67 \_\_\_\_\_
- 2 1/2" crusher run \_\_\_\_\_
- 3/8" screenings \_\_\_\_\_
- 1 1/2" crusher run \_\_\_\_\_
- 4" surge rock \_\_\_\_\_
- 1" crusher run \_\_\_\_\_
- \*3/8" #2 washed cover \_\_\_\_\_
- 3/8" rinsed shot \_\_\_\_\_
- 3/8" granite chips \_\_\_\_\_
- 1/4" granite chips \_\_\_\_\_
- Rip Rap \_\_\_\_\_

**ROCK PICKED UP BY THE COUNTY FROM  
PLANT IN HYDRO: PRICE PER TON:**

- \*3/8" # 2 cover \_\_\_\_\_
- \*5/8" # 3 cover \_\_\_\_\_
- \*5/8" # 3 washed cover \_\_\_\_\_
- \*3/8" # 2 washed cover \_\_\_\_\_
- 1/4" shot \_\_\_\_\_
- \* 3/4" # 1 cover \_\_\_\_\_
- 1/2" crusher run \_\_\_\_\_
- 1 1/2" crusher run \_\_\_\_\_
- 2 1/2" crusher run \_\_\_\_\_
- Surge Rock 4", 6" 8" \_\_\_\_\_
- 3/8" screenings \_\_\_\_\_
- 1" crusher run \_\_\_\_\_
- 1/4" granite chips \_\_\_\_\_
- 3/8" granite chips \_\_\_\_\_
- 1/2" # 57 \_\_\_\_\_
- 1/2" Class B \_\_\_\_\_
- 1" # 67 \_\_\_\_\_
- Rip Rap \_\_\_\_\_

**PROCESSED SHALE: PRICE/TON:**

Price per ton if loaded by Vendor:  
\$ \_\_\_\_\_

Price per ton if loaded by County:  
\$ \_\_\_\_\_

PLEASE SPECIFY LOCATION:  
\_\_\_\_\_

RESPECTFULLY SUBMITTED BY: \_\_\_\_\_



---

**RETURN ONLY THE PAGES THAT YOU HAVE BID ON**  
**BID PROPOSAL**  
**CANADIAN COUNTY**

DATE: \_\_\_\_\_

NAME OF FIRM: \_\_\_\_\_

**BIDDER AGREES TO COMPLY WITH ALL TERMS AND CONDITIONS OF BID**

**PAVEMENT LINE STRIPING**

This item shall consist of furnishing Road Traffic Striping, four inches in width, white and yellow paint, or thermo plastic in accordance with Oklahoma Department of Transportation specifications, and in conformity with the dimensions and the locations to be determined in Canadian County. All materials and work performed on this contract shall be in accordance with the Oklahoma Standard Specifications for Highway Construction, Latest Edition, including applicable Special Provisions, and the latest edition of the Manual on Uniform Traffic Control Devices, AASHTOM249 (latest edition).

Contractor will furnish all necessary equipment, labor and materials, along with all warning signs, flag persons, and liability insurance for safety; and prevent any liability against Canadian County while work is in progress. All work will be subject to inspections by Canadian County.

Water Base Paint \_\_\_\_\_ cents per ft.

Epoxy Paint \_\_\_\_\_ cents per ft.

\_\_\_\_\_  
RESPECTFULLY SUBMITTED BY:

If a pay item for *Miscellaneous Pipe Work* does not exist, the Department will consider the cost of miscellaneous pipe work to be included in the contract unit price of other relevant pay items.

## SECTION 623 GUARDRAIL AND END TREATMENTS

### 623.01 DESCRIPTION

This work consists of constructing guardrail, end treatments, posts, blockouts, and other appurtenances. The Department defines the following types of guardrail:

- Beam Guardrail Steel W-Beam Single.
- Beam Guardrail Steel W-Beam Double.
- Beam Guardrail Steel Thrie Beam Single.
- Beam Guardrail Steel Thrie Beam Double.
- Beam Guardrail Steel Transition Section.
- Guardrail Anchor Unit, or
- Guardrail End Treatments (GET).

Use GETs that are designed as W-Beam guardrail terminals. Provide GETs with anchors capable of supporting the rail tensile strength developed during a downstream impact and remaining crashworthy for end-on impacts. Ensure the GETs satisfy the National Cooperative Highway Research Program (NCHRP) Report 350 for a test level 3 (TL-3) terminal and are approved for use on the National Highway System.

### 623.02 MATERIALS

Provide materials in accordance with the following sections and subsections:

<b>Material:</b>	<b>Section or Subsection:</b>
Portland Cement Concrete Class A	701
Epoxy Resin Adhesive	701.13
Reinforcing Steel	723
Requirements for Paint Systems	730.02
Guardrail Posts	732.01
Spacer Blocks (Blockouts)	732.01
Beam Guardrail Elements	732.01
Fittings (Steel Hardware)	732.01
Reflective Sheeting for Guide Posts	733.05
Non-Shrink Grout	733.07

Ensure the GETs are manufactured with new material and assembled in accordance with the manufacturer's standards. Provide a GET capable of flattening and bending the guardrail away from the impacting vehicle.

Ensure the guardrail elements are continuous 12-gauge sections: either one 26 ft [8.0 m] long section, or two 13 ft [4.0 m] long sections.

**623.03 EQUIPMENT — VACANT****623.04 CONSTRUCTION METHODS****A. Setting Posts for Guardrail or Barrier Posts**

Set posts for guardrail as shown on the Plans. Dig post holes in compacted soil. Keep the bottoms of the holes free of loose material to ensure a stable post foundation.

Space the posts as shown on the Plans and set plumb with the front faces in a straight line. For curves, set posts a uniform distance from the edge of the pavement.

Set the tops of the posts to the elevations shown on the Plans or as approved by the Resident Engineer.

After placing the posts, backfill the holes with material approved by the Resident Engineer. Compact each layer of material to a depth no greater than 6 in [150 mm]. Ensure compaction operations do not change the alignment of the post.

Posts for guardrail may be machine driven. Fill surface depressions resulting from driving the posts. Use material similar to the in-situ material and compact.

**B. Rail Elements**

Erect rail elements in a smooth, continuous installation. Tighten all bolts except adjustment bolts. Provide bolts with lengths that extend beyond the nuts.

If field painting rail elements, first apply a rust-inhibitive primer to correct damage to the shop coat of paint. Field paint surfaces before erecting rail elements inaccessible to painting after erection. Uniformly apply the number of coats of paint required in the Contract by brush or pressure spray.

Protect the following with two coats of zinc rich paint:

- Abraded galvanized surfaces with exposed base metal.
- The threads of fittings, and
- Fasteners and cut ends of bolts.

Install double-faced guardrail as shown on the Plans.

Do not modify anchor-bolt holes or slots to accommodate connections in the field. Obtain Resident Engineer approval for modifications to standard guardrail design. Ensure modifications pass Department inspection before installing.

**C. Placing Metal Plate Rails and Fittings**

Fasten metal plate rails to the posts as shown on the Plans. Overlap the rail sections at least 6 in [150 mm] in the direction of traffic so the end of the previous plate rail covers the start of the succeeding plate rail.

Use only one type of metal plate guardrail on the Project, unless otherwise shown on the Plans.

**D. Guardrail Anchor Units**

Construct guardrail anchor units as shown on the Plans. If encountering rock harder than medium sandstone (surface outcropping, massive boulders, and ledge rock under overburden) during construction of the concrete anchor, proceed as follows:

**(1) For Surface Outcroppings**

Drill four spaced and patterned holes with 2 in [50 mm] diameters. Fill half of each rock hole with pourable epoxy grout, insert full depth anchor bolts, and stabilize them. Fill the remainder of the hole with epoxy. Expel air bubbles and voids from the holes.

**(2) For Rock With Soil Overburden 18 in [450 mm] Deep or Less**

Use the following steps:

- Drill four spaced holes for the anchor bolts.
- Drill four additional holes with a diameter of 2½ in [64 mm], each 12 in [300 mm] from the center of the concrete anchor and spaced 90° apart.
- Fill half of each outer hole with pourable epoxy grout.
- Insert, plumb, and stabilize one number 9 reinforcing steel bar per hole, cut to the length needed for the anchor unit.
- Cut the reinforcing steel bar to a length that allows insertion of at least 12 in [300 mm] into the rock and a clearance of 2 in [50 mm] above the top of the concrete anchor.
- Fill the remainder of the hole with epoxy and expel the bubbles.
- Tie the 6 × 6-W1.5 × W1.5 wire mesh to the bars after the grout dries.
- Spread pourable epoxy grout on the surface between the rock and concrete for positive bond.
- Construct the upper portion of the anchor unit as shown on the Plans.

**(3) For Rock Encountered Deeper Than 18 in [450 mm]**

Construct the anchor in accordance with the procedure for soil with overburden 18 in [450 mm] deep or less, and omit the four additional anchors.

**E. Guardrail End Treatments (GET)**

Ensure experienced workers fabricate and install the GET as shown on the Plans and ensure the end treatment remains intact, redirects side vehicular impacts, and flattens the rail element to attenuate head-on vehicular impacts.

Construct GETs with certified, crash-tested hardware. Ensure NCHRP 350 TL-3 certification for substituted hardware. Obtain the Resident Engineer's approval of substitution GET component hardware and ensure it passes Department inspection before installation.

**F. Blockouts**

For safety end treatments, use certified blockouts meeting the minimum requirements of NCHRP 350 TL-3. Provide a letter of certification with substitutions. Obtain the Resident Engineer's approval of substitutions before installation.

Provide certification of blockouts used in safety end treatments. Ensure that composite or synthetic blockouts used in safety end treatments attached to bridges or permanent concrete walls have been crash-tested and certified.

**G. Guardrail Bridge Connection (GBC)**

Ensure experienced workers fabricate and install the GBC as shown on the Plans and ensure the bridge connection remains intact, redirects side vehicular impacts, and

flattens the rail element to attenuate vehicular impacts at the approach ends of the bridge rail.

Construct GBCs with approved NCHRP 350 TL-3 designs, using only certified and crash-tested hardware. Provide NCHRP 350 TL-3 certifications for substitute hardware, except for posts and blockouts, which may not be substituted without an actual crash test certification. Obtain the Resident Engineer's approval of substitution GBC component hardware and ensure it passes Department inspection before installation.

### 623.05 METHOD OF MEASUREMENT

The Resident Engineer will measure the length of guardrail from center to center of the supporting posts.

The Resident Engineer will measure *Blockouts* using the length of the guardrail from the first blockout to the beginning of the next anchor unit.

### 623.06 BASIS OF PAYMENT

The Department will pay for each pay item at the contract unit price per the specified pay unit as follows:

<b>Pay Item:</b>	<b>Pay Unit:</b>
<i>(A) BEAM GUARDRAIL W-BEAM SINGLE</i>	Linear Foot [Meter]
<i>(B) BEAM GUARDRAIL W-BEAM DOUBLE</i>	Linear Foot [Meter]
<i>(C) BEAM GUARDRAIL THRIE-BEAM SINGLE</i>	Linear Foot [Meter]
<i>(D) BEAM GUARDRAIL THRIE-BEAM DOUBLE</i>	Linear Foot [Meter]
<i>(E) BEAM GUARDRAIL TRANSITION SECTION</i>	Each
<i>(F) GUARDRAIL ANCHOR</i>	Each
<i>(G) GUARDRAIL END TREATMENT</i>	Each
<i>(H) BLOCKOUTS</i>	Linear Foot [Meter]
<i>(I) GUARDRAIL BRIDGE CONNECTION</i>	Each



402.06

TRAFFIC-BOUND SURFACE COURSE

**402.06 BASIS OF PAYMENT**

The Department will pay for each pay item at the contract unit price per the specified pay unit as follows:

<b>Pay Item:</b>	<b>Pay Unit:</b>
<del>(A) TRAFFIC BOUND SURFACE COURSE TYPE A</del>	<del>Ton [Metric Ton]</del>
<del>(B) TRAFFIC BOUND SURFACE COURSE TYPE B</del>	<del>Ton [Metric Ton]</del>
<del>(C) TRAFFIC BOUND SURFACE COURSE TYPE C</del>	<del>Ton [Metric Ton]</del>
<del>(D) TRAFFIC BOUND SURFACE COURSE TYPE D</del>	<del>Ton [Metric Ton]</del>
<del>(E) TRAFFIC BOUND SURFACE COURSE TYPE E</del>	<del>Ton [Metric Ton]</del>
<del>(F) TRAFFIC BOUND SURFACE COURSE TYPE F</del>	<del>Ton [Metric Ton]</del>

**SECTION 403  
CHIP SEAL**

**403.01 DESCRIPTION**

This work consists of constructing a single or double surface treatment of aggregates and bituminous materials.

**403.02 MATERIALS**

Provide materials in accordance with the following sections:

<b>Material:</b>	<b>Section:</b>
Cover Aggregates	703.04
Bituminous Prime	708
Bituminous Binder	708.03

Unless otherwise specified, use the following aggregates for surface treatments.

For single bituminous surface treatments, use:

- Cover Aggregate No. 2,
- Cover Aggregate No. 3,
- Cover Aggregate No. 3C,
- Precoated Aggregates, or
- Light Weight Cover Aggregates (LWCA).

For double bituminous surface treatments, use:

- Cover Aggregate No. 1, and
- Cover Aggregate No. 2.

**403.03 EQUIPMENT**

Provide distributors, supply tanks, and compactors in accordance with Subsection 401.03, "Equipment."

Provide self-propelled mechanical spreaders mounted on pneumatic tired traction wheels capable of the following:

- Operating independently of supply trucks:

- Receiving the aggregate from the supply truck directly into the hopper and then into the spreader box;
- Controlling the spreading of aggregate to a rate of 10 lb/yd<sup>2</sup> to 45 lb/yd<sup>2</sup> [5 kg/m<sup>2</sup> to 25 kg/m<sup>2</sup>];
- Spreading the aggregate from 3 ft to 12 ft [0.9 m to 3.6 m] wide; and
- Spreading the aggregate up to 24 ft [7.2 m] wide, if required by the Contract.

#### 403.04 CONSTRUCTION METHODS

##### A. Weather and Seasonal Limitations

Limit the construction of bituminous surface treatment to the following weather and seasonal limitations:

###### (1) General

Comply with weather and seasonal conditions for constructing bituminous surface treatment in accordance with Subsection 105.15, "Opening Sections of Project to Traffic," and Subsection 105.17, "Project Completion and Acceptance," for acceptance of the work.

###### (2) Seasonal Limitations

Apply bituminous surface treatment during the construction periods provided in Table 403:1, "Construction Seasonal Limitations," or on dates requested in writing and approved by the Resident Engineer.

Table 403:1 Construction Seasonal Limitations	
Asphalt Type	Construction Period
Cutback Asphalt	April 1 through Nov. 15
Asphalt Cement	May 1 through Sept. 30
Emulsified Asphalt	May 15 through Sept. 15

###### (3) Temperature and Weather Limitations

Apply bituminous surface treatment in accordance with the temperature and weather limitations provided in Table 403:2, "Temperature and Weather Limitations."

Measure the ambient temperatures in the shade, 4 ft [1.2 m] above the ground, and away from artificial heat.

Ensure the temperature and weather conditions allow completion of the work. Before starting bituminous surface treatment, verify that the minimum temperatures specified in Table 403:2 also occurred on the previous calendar day. Suspend work if the ambient temperature is forecast to fall below the specified minimum temperature within 72 hr. Suspend work during adverse weather conditions, such as wind chill, rain, fog, or abnormally high relative humidity, as determined by the Resident Engineer.

Table 403:2 Temperature and Weather Limitations				
Asphalt Type	Minimum Temperature, °F [°C]			Base or Pavement Surface Condition Due to Weather
	Ambient	Surface	Aggregate	
Cutback Asphalt	50 [10]	60 [15]	40 [4]	Dry
Emulsified Asphalt	60 [15]	70 [20]	50 [10]	No visible free moisture present
Asphalt Cement	60 [15]	70 [20]	50 [10]	Dry

#### (4) Detours and Shoo-Flys

The Resident Engineer may waive the minimum temperature requirements for construction of temporary bituminous surface treatment for detours, shoo-flys, or other incidental construction.

#### B. Traffic

Provide traffic control that ensures the following:

- No vehicles travel on the surface treatment before the application and stabilization of cover material;
- Construction operations pose no risk to the health, safety, or property of the traveling public; and
- No unnecessary delay to the traveling public.

#### C. Preparation of Base

Prepare the base as required by the Contract before applying bituminous surface treatment.

Clean the base of foreign material before placing the prime coat. If reconstructing a base previously sealed or patched with bituminous materials, remove areas with excess bituminous materials from the base course surface before applying the bituminous binder.

#### D. Protection of Structures

Protect surfaces of structures from discoloration while applying bituminous surface treatments.

#### E. Heating Bituminous Material

Heat bituminous material uniformly and consistently, using an effective and positive control method. Heat bituminous material in accordance with Subsection 708.03, "Asphalt Materials." Ensure the fluidity of the heated bituminous material and prevent damage due to overheating.

Do not heat bituminous material with steam. Protect the bituminous material or its container from coming into contact with flames. The Department will reject overheated or damaged bituminous material.

#### F. Application of Prime Coat

If required by the Contract, apply a prime coat in accordance with Section 408, "Prime Coat."

**G. Application of Tack Coat**

If required by the Contract, apply a tack coat in accordance with Section 407, "Fog Seal and Tack Coat."

**H. Application of Bituminous Binder and Cover Aggregate**

Before placing the first application of bituminous binder, allow the prime coat to penetrate and harden. Clean the primed base of dirt and loose material.

Ensure the aggregate is immediately available for spreading before starting the application of bituminous binder.

**(1) Bituminous Binder**

Uniformly apply the bituminous binder. Delineate one edge of the bituminous surfacing before the first application of bituminous binder. At transverse joints, to prevent double or no bituminous binder application created by operation starts and stops, spread building paper over the treated surface before the joint to ensure the specified distribution of bituminous binder at the nozzles when they reach the untreated surface. Remove and dispose of the paper after starting or restarting the bituminous material application.

If the roadway is closed to traffic and the surface width does not exceed 24 ft [7.3 m], bituminous material may be applied to the full width in one pass for each application.

If the roadway is not closed to traffic and traffic is maintained on one-half of the width, apply prime and bituminous material on the closed half of the roadway width. During the bituminous material application on the second half of the roadway, ensure that the distributor nozzle nearest the center of the roadway overlaps the previous bituminous application from half to the full width of the nozzle spray.

**(2) Cover Aggregate**

Immediately after applying the bituminous binder, apply cover aggregates in accordance with Table 403:3, "Approximate Single Treatment Application Rates," and Table 403:4, "Approximate Double Treatment Application Rates." Uniformly spread the cover material at the specified rates. The Department will allow hand-spreading in areas inaccessible to mechanical spreaders.

**(3) General Application Requirements**

Prevent overlaps, streaks, or gaps in the application of bituminous binder and cover aggregate. Correct overlaps, streaks, and gaps, as approved by the Resident Engineer, at no additional cost to the Department. Ensure the finished surface is free of the following:

- Bleeding.
- Loose chips, and
- Loss of imbedded aggregates.

Apply the bituminous material and cover aggregate at the distribution and coverage rate shown on the Plans.

Use Table 403:3, "Approximate Single Treatment Application Rates," and Table 403:4, "Approximate Double Treatment Application Rates," to estimate

quantities of aggregate and bituminous binder. Rates are based on midpoint requirements of bituminous binder and aggregate.

Material	Aggregate Type			
	LWCA	No. 2	No. 3	No. 3C
Aggregate	100 yd <sup>3</sup> /yd <sup>3</sup> [110 m <sup>3</sup> /m <sup>3</sup> ]	25 lb/yd <sup>2</sup> [14 kg/m <sup>2</sup> ]	28 lb/yd <sup>2</sup> [15 kg/m <sup>2</sup> ]	35 lb/yd <sup>2</sup> [19 kg/m <sup>2</sup> ]
Bituminous Binder (residual asphalt)	0.3 gal/yd <sup>2</sup> [1.4 L/m <sup>2</sup> ]	0.3 gal/yd <sup>2</sup> [1.4 L/m <sup>2</sup> ]	0.3 gal/yd <sup>2</sup> [1.4 L/m <sup>2</sup> ]	0.3 gal/yd <sup>2</sup> [1.4 L/m <sup>2</sup> ]

Material	Aggregate Type and Increment		
	No. 1	No. 2	
		First	Second
Aggregate	40 lb/yd <sup>2</sup> [22 kg/m <sup>2</sup> ]	20 lb/yd <sup>2</sup> [11 kg/m <sup>2</sup> ]	15 lb/yd <sup>2</sup> [8 kg/m <sup>2</sup> ]
Bituminous Binder (residual asphalt)	0.4 gal/yd <sup>2</sup> [1.8 L/m <sup>2</sup> ]	0.2 gal/yd <sup>2</sup> [0.9 L/m <sup>2</sup> ]	0.15 gal/yd <sup>2</sup> [0.7 L/m <sup>2</sup> ]

Apply bituminous binder at temperatures in accordance with Section 708, "Plant Mix Bituminous Bases and Surfaces."

Apply bituminous binder and cover aggregate in the following sequences:

**(a) Single Treatment**

Apply bituminous binder, and spread No. 2, No. 3, No. 3C, Precoated Aggregates or LWCA cover aggregate at the rates shown on the Plans.

**(b) Double Treatment**

For the first application, apply bituminous binder and spread No. 1 cover aggregate over the surface at the rates shown on the Plans.

For the second application, apply bituminous binder on the surface of the No. 1 cover material, and spread the first application of No. 2 cover aggregate (first increment) over the surface at the rates shown on the Plans.

For the third application, apply bituminous binder on the surface of the No. 2 cover material (first increment), and spread the second application of No. 2 cover aggregate (second increment) over the surface at the rates shown on the Plans.

**I. Rolling**

Roll the entire surface after each application of cover aggregate and ensure it is firmly imbedded into the bituminous binder.

To prevent tracking bituminous binder during rolling, hand spread additional aggregate to fill irregularities and cover bare spots.

Perform final rolling of the surface with at least four passes over the entire surface with a pneumatic-type roller in accordance with Subsection 401.03.B. "Compactors." Operate the roller at a speed of 7 mph [10 km/h] or less.

#### J. Maintenance

Remove unsatisfactory material. Make repairs with bituminous binder and aggregate, to establish a uniformly dense treatment with maximum retention of the cover aggregate. Maintain until project completion is accomplished in accordance with Subsection 105.17, "Project Completion and Acceptance."

Correct irregularities with additional bituminous binder and aggregate at no additional cost to the Department.

For excessive bleeding, apply blotting material free of clay, silt, loam, or other foreign matter as directed by the Resident Engineer.

### 403.05 METHOD OF MEASUREMENT

The Resident Engineer will measure the finished surface area of the *Chip Seal (Single Treatment)* or *Chip Seal (Double Treatment)* complete-in-place. The Resident Engineer will measure the *Preparation of Base* to the nearest foot [meter] along the centerline when specified on the Plans.

### 403.06 BASIS OF PAYMENT

The Department will pay for each pay item at the contract unit price per the specified pay unit as follows:

Pay Item:	Pay Unit:
(A) CHIP SEAL (SINGLE TREATMENT)	Square Yard [Square Meter]
(B) CHIP SEAL (DOUBLE TREATMENT)	Square Yard [Square Meter]
(C) PREPARATION OF BASE	Linear Foot [Meter]

The Department will consider the cost of bituminous binder, cover aggregate, and sand or other approved aggregate (for blotting) to be included in the contract unit price for the appropriate chip seal pay item.

The Department will consider the cost of applying every layer of a double treatment, as required by the Contract, to be included in the contract unit price for *Chip Seal (Double Treatment)*.

The Department will pay for tack coat in accordance with Section 407. "Fog Seal and Tack Coat," and prime coat in accordance with Section 408. "Prime Coat."



**Canadian County**  
**Purchasing**

**Six Month Bids**  
**July 1 – December 31, 2013**

Date Issued: May 6, 2013  
Bid Number: **SIX MONTH BIDS**  
Closing Date: May 31, 2013 at 4:00pm  
PO Box 458, 201 N. Choctaw Ave., El Reno, OK 73036  
Opening Date: June 3, 2013 at 9:30am  
Commissioner's Meeting Room, 201 N. Choctaw Ave., El Reno, OK 73036

-----  
~ AFFIDAVIT~  
Six Month Bids

State of Oklahoma )  
County of Canadian) §

I, Sherry Murray, Purchasing Agent, in and for said County and State, do hereby certify that "Invitations to Bid" were sent to the following:

Advanced Workzone Services LLC  
PO Box 1569  
Muskogee, OK 74402-1569

Asphalt & Fuel Supply LLC  
4200 E Skelly Drive, Suite 600  
Tulsa, OK 74135-3210

Asphalt & Fuel Supply  
11282 Hemlock Street  
Overland Park, KS 66210

Atlas Asphalt Products Inc  
Attn: Tyle  
PO Box 75727  
Oklahoma City, OK 73147

Atlas Paving Co  
Attn: Tyle  
PO Box 75727  
Oklahoma City, OK 73147

Beachlers IGA  
210 E Elm  
El Reno, OK 73036

Bid News Construction  
[project@bidnews.com](mailto:project@bidnews.com)

Boral Aggregates  
PO Box 850450  
Yukon, OK 73085

Brad's Lawn Service  
1119 Sunset Drive  
El Reno, OK 73036

Breshears Trucking Inc  
11001 Ranch Road  
Mustang, OK 73064

Bridge & Highway Materials Inc  
PO Box 228  
Enid, OK 73702

C.L. Boyd  
PO Box 26427  
Oklahoma City, OK 73126

Calumet Steel & Surplus LLC  
14040 122<sup>nd</sup> Street NW  
Calumet, OK 73014

Coffeyville Resources Refining &  
Marketing LLC  
1207 Sovereign Row  
Oklahoma City, OK 73108

Dale Brown Inc  
PO Box 1748  
Ardmore, OK 73402

Diamond Gypsum  
PO Box 622  
Okarche, OK 73762

Dolose Bros Co  
PO Box 677  
Oklahoma City, OK 73101-0677

ePlan  
3806 Buttonwood Drive, Suite 106  
Columbia, MO 65201

Ergon Asphalt & Emulsions Inc  
Attn: Johnny  
9301 SW Koch Street  
Lawton, OK 73505

Farmers Supply  
PO Box 443  
Cheyenne, OK 73628

Ferguson Waterworks  
2220 Southeast 18<sup>th</sup> Street  
Oklahoma City, OK 73129-8355

Francis Tuttle Vo-Tech Center  
Attn: Bid Assistance – Judy Robbins  
12777 N Rockwell  
Oklahoma City, OK 73142

Goldman Global Group  
Attn: John L Hawkins  
6003 Sunderland Drive  
Colleyville, TX 76034

Hanson Aggregates  
300 E John Carpenter Freeway, Suite 1100  
Irving, TX 75062

Haskell Lemon Construction Co  
PO Box 75608  
Oklahoma City, OK 73147

Hoskins Gypsum Co LLC  
PO Box 243  
Longdale, OK 73755

Interstate Gypsum  
PO Box 720112  
Oklahoma City, OK 73172



**Canadian County  
Purchasing**

**Six Month Bids  
July 1 – December 31, 2013**

Joe Brown Co Inc  
PO Box 1669  
Ardmore, OK 73402

Just Knock Ground Services  
Attn: Johnny Jones  
245 N El Reno Ave  
El Reno, OK 73036

K&O Construction & Supply Co  
PO Box 1845  
Enid, OK 73702

Kirby Smith  
PO Box 270300  
Oklahoma City, OK 73037

Kris and Shelly Johnson  
4435 Hefner Road NE  
El Reno, OK 73036

Logan County Asphalt  
2905 Commerce Blvd  
Guthrie, OK 73044

Martin Marietta Materials  
229 N Service Road, Suite 1  
Moore, OK 73160

Midstate Traffic Control Inc  
12501 N Santa Fe Avenue  
Oklahoma City, OK 73114

Myco Construction Corporation  
PO Box 750  
Wheatland, OK 73097

Norman Supply  
PO Box 1079  
Oklahoma City, OK 73101

Oklahoma Contractor's Supply LLC  
PO Box 82125  
Oklahoma City, OK 73148

Online Data Services  
8460 Holcomb Bridge Road, Suite 100  
Alpharetta, GA 30322

Railroad Yard  
PO Box 2283  
Stillwater, OK 74076

Reed Construction Data  
30 Technology Pkwy South, Suite 100  
Norcross, GA 30092

Schwarz Paving Co Inc  
8251 W Reno  
Oklahoma City, OK 73127

Schwarz Ready Mix  
PO Box 850450  
Yukon, OK 73085

Scotwood Industries Inc  
12980 Metcalf Avenue, Suite 240  
Overland Park, KS 66213

Silver Star Construction Co Inc  
2401 S Broadway  
Moore, OK 73160

Sorco Products Inc  
PO Box 1230  
Cushing, OK 74023

Stromberg Lumber Company  
Attn: Hale Stromberg  
PO Box 1412  
Ardmore, OK 73402

Sunbelt Equipment & Supply  
103147 S Highway 18  
Mecker, OK 74855

Time Striping Inc  
PO Box 1236  
Van Buren, AR 72957

TJ Campbell Construction Co  
PO Box 15129  
Oklahoma City, OK 73155

Turf Care and Beyond  
PO Box 506  
El Reno, OK 73036

Vance Brothers Inc  
Attn: Greg Fuller  
9306 E 11<sup>th</sup> Street, Suite A  
Tulsa, OK 74112

VanKeppel's  
8233 W Reno  
Oklahoma City, OK 73127

Walkenhorst's  
540 Technology Way  
Napa, CA 94558

Warren Power & Machinery Inc  
4501 W Reno  
Oklahoma City, OK 73127


Western Aggregates LLC  
8251 West Reno Avenue  
Oklahoma City, OK 73127

Woods & Sons Paving Inc  
200 East I-35 Service Road  
Edmond, OK 73034

Wright Asphalt Products Co  
Attn: Lance Fischer  
730 South Hazelnut  
Springfield, MO 65802

Yellowhouse Machinery Co  
1300 West Chestnut Ave  
Enid, OK 73073

Witness my hand and seal this 6<sup>th</sup> day of May, 2013.

  
Sherry Murray, Purchasing Agent  
(SEAL)



If you have any questions or need additional information, please contact:  
**Sherry Murray, Purchasing Agent, 405.295.6125 or 405.422.2441**