



Purchasing Division

Invitation for Bid

IFB-4359-17-DH Chip Seal Road Oil

Responses Due:

April 7, 2017 prior to 3:30 PM MDT

Accepting Electronic Responses Only

Responses Only Submitted Through the Rocky Mountain E-Purchasing System (RMEPS)

<https://www.rockymountainbidsystem.com/default.asp>

(Purchasing Representative does not have access or control of the vendor side of RMEPS. If website or other problems arise during response submission, vendor **MUST** contact RMEPS to resolve issue prior to the response deadline. 800-835-4603)

Purchasing Representative:

Duane Hoff Jr., Senior Buyer

duaneh@gjcity.org

Phone (970) 244-1545

This document has been developed specifically to solicit competitive responses for this solicitation, and may not be the same as previous City of Grand Junction solicitations. All vendors are urged to thoroughly review this solicitation prior to responding. Submittal by **FAX, EMAIL or HARD COPY IS NOT ACCEPTABLE** for this solicitation.

Invitation for Bids

Table of Contents

Section 1	Instruction to Bidders
Section 2	General Contract Conditions
Section 3	Specifications
Section 4	Bid Form
	Price Proposal/Bid Schedule Form
	Attachments

1. Instructions to Bidders

- 1.1. **Purpose:** The City of Grand Junction is soliciting competitive bids from qualified and interested companies for all labor, equipment, and materials required to provide road oil for the City's Chip Seal program. All dimensions and specifications should be verified by Bidders prior to submission of bids.
- 1.2. **The Owner:** The Owner is the City of Grand Junction, Colorado and is referred to throughout this Solicitation. The term Owner means the Owner or his authorized representative.
- 1.3. **Submission:** **Each proposal shall be submitted in electronic format only, and only through the Rocky Mountain E-Purchasing website (<https://www.rockymountainbidsystem.com/default.asp>).** *This site offers both "free" and "paying" registration options that allow for full access of the Owner's documents and for electronic submission of proposals. (Note: "free" registration may take up to 24 hours to process. Please Plan accordingly.)* Please view our "Electronic Vendor Registration Guide" at <http://www.gjcity.org/BidOpenings.aspx> for details. (Purchasing Representative does not have access or control of the vendor side of RMEPS. If website or other problems arise during response submission, vendor **MUST** contact RMEPS to resolve issue prior to the response deadline. **800-835-4603**)
- 1.4. **Printed Form for Price Bid:** All Price Bids must be made upon the Bid Form attached, and should give the amounts both in words and in figures, and must be signed and acknowledged by the bidder.
- 1.5. **Exclusions:** No oral, telephonic, emailed, or facsimile bid will be considered
- 1.6. **Contract Documents:** The complete IFB and bidder's response compose the Contract Documents. Copies of these documents can be obtained from the City Purchasing website, <http://www.gjcity.org/BidOpenings.aspx>.
- 1.7. **Examination of Specifications:** Bidders shall thoroughly examine and be familiar with the project Statement of Work. The failure or omission of any Bidder to receive or examine any form, addendum, or other document shall in no way relieve any Bidder from any obligation with respect to his bid. The submission of a bid shall be taken as evidence of compliance with this section.
- 1.8. **Questions Regarding Statement of Work:** Any information relative to interpretation of Scope of Work or specifications shall be requested of the Purchasing Representative, in writing, in ample time prior to the response time.
- 1.9. **Addenda & Interpretations:** All Questions shall be submitted in writing to the appropriate person as shown in Section 1.1. Any interpretations, corrections and changes to this solicitation or extensions to the opening/receipt date shall be made by a written Addendum to the solicitation by the

Owner. Sole authority to authorize addenda shall be vested in the Purchasing Representative. Addenda will be issued electronically through the Rocky Mountain E-Purchasing website at www.rockymountainbidsystem.com. Bidders shall acknowledge receipt of all addenda in their response and are solely responsible for obtaining all solicitation documents.

- 1.10. **Taxes:** The Owner is exempt from State retail and Federal tax. The bid price must be net, exclusive of taxes.
- 1.11. **Offers Binding 60 Days:** Unless otherwise specified, all formal offers submitted shall be binding for sixty (60) calendar days following opening date, unless the Bidder, upon request of the Purchasing Representative, agrees to an extension.
- 1.12. **Collusion Clause:** Each bidder by submitting a bid certifies that it is not party to any collusive action or any action that may be in violation of the Sherman Antitrust Act. Any and all bids shall be rejected if there is evidence or reason for believing that collusion exists among bidders. The Owner may, or may not, accept future bids for the same services or commodities from participants in such collusion.
- 1.13. **Public Disclosure Record:** If the bidder has knowledge of their employee(s) or sub-contractors having an immediate family relationship with an Owner employee or elected official, the bidder must provide the Purchasing Representative with the name(s) of these individuals. These individuals are required to file an acceptable "Public Disclosure Record", a statement of financial interest, before conducting business with the Owner.
- 1.14. **Public Opening:** Responses shall be opened in the City Hall Auditorium 250 North 5th Street, Grand Junction, CO 81501 immediately following the solicitation deadline.

2. General Contract Conditions

- 2.1. **The Contract:** This Invitation for Bid, submitted documents, and any negotiations, when properly accepted by the Owner, shall constitute a contract equally binding between the Owner and Bidder. The contract represents the entire and integrated agreement between the parties hereto and supersedes all prior negotiations, representations, or agreements. The contract may be amended or modified with Change Orders, Field Orders, or Amendment(s).
- 2.2. **Execution, Correlation, Intent, and Interpretations:** The Contract Documents and/or Purchase Order shall be signed by the Owner (Owner) and Contractor. Owner will provide the contract/purchase order. By executing the contract/purchase order, the Bidder represents that they have familiarized themselves with the local conditions under which the work is to be performed, and correlated his observations with the requirements of the Contract Documents. The Contract Documents are complementary, and what is required by any one, shall be as binding as if required by all. The intention of the documents is to include all

labor, materials, equipment and other items necessary for the proper execution and completion of the scope of work as defined herein. All drawings, specifications and copies furnished by the Owner are, and shall remain, Owner property. They are not to be used on any other project, and with the exception of one contract set for each party to the contract, are to be returned to the owner on request at the completion of the work.

- 2.3. The Owner:** The Owner is the City of Grand Junction, Colorado and is referred to throughout the Contract Documents. The term Owner means the Owner or his authorized representative. The Owner shall, at all times, have access to the work wherever it is in preparation or progress. The Contractor shall provide facilities for such access. The Owner will familiarize himself generally with the progress and quality of work and to determine, in general, if the work is proceeding in accordance with the contract documents. The Owner will not be responsible for the acts or omissions of the Contractor, and sub-Contractor, or any of their agents or employees, or any other persons performing any of the work.
- 2.4. Contractor:** The Contractor is the person or organization identified as such in the Agreement and is referred to throughout the Contract Documents. The term Contractor means the Contractor or his authorized representative. The Contractor shall carefully study and compare the General Contract Conditions of the Contract, Specification and/or Drawings, Scope of Work, Addenda and Modifications and shall at once report to the Owner any error, inconsistency or omission he may discover. Contractor shall not be liable to the Owner for any damage resulting from such errors, inconsistencies or omissions. The Contractor shall not commence work without clarifying Drawings, Specifications, or Interpretations.
- 2.5. Warranty:** The Contractor warrants to the Owner that all materials and equipment furnished under this contract will be new unless otherwise specified, and that all work will be of good quality, free from faults and defects and in conformance with the Contract Documents. All work not so conforming to these standards may be considered defective. If required by Owner, the Contractor shall furnish satisfactory evidence as to the kind and quality of materials and equipment. If within ten (10) days after written notice to the Contractor requesting such repairs or replacement, the Contractor should neglect to make or undertake with due diligence to the same, the City may make such repairs or replacements. All indirect and direct costs of such correction or removal or replacement shall be at the Contractor's expense. The Contractor will also bear the expenses of curing all work of others, destroyed or damaged, by the correction, removal or replacement of defective work.
- 2.6. Permits, Fees, & Notices:** The Contractor shall secure and pay for all permits, governmental fees and licenses necessary for the proper execution and completion of the work. The Contractor shall give all notices and comply with all laws, ordinances, rules, regulations and orders of any public authority bearing on the performance of the work. If the Contractor observes that any of the Contract Documents are at variance in any respect, the Contractor shall promptly notify the Owner in writing, and any necessary changes shall be adjusted by approximate

modification. If the Contractor performs any work knowing it to be contrary to such laws, ordinances, rules and regulations, and without such notice to the Owner, the Contractor shall assume full responsibility and shall bear all costs attributable.

2.7. Responsibility for Those Performing the Work: The Contractor shall be responsible to the Owner for the acts and omissions of all their employees and all sub-contractors, their agents and employees, and all other persons performing any of the work under a contract with the Contractor.

2.8. Insurance Requirements: The selected Contractor agrees to procure and maintain, at its own cost, policy(s) of insurance sufficient to insure against all liability, claims, demands, and other obligations assumed by the Contractor pursuant to this Section. Such insurance shall be in addition to any other insurance requirements imposed by this Contract or by law. The Contractor shall not be relieved of any liability, claims, demands, or other obligations assumed pursuant to this Section by reason of its failure to procure or maintain insurance in sufficient amounts, durations, or types. Contractor shall procure and maintain and, if applicable, shall cause any Subcontractor of the Contractor to procure and maintain insurance coverage listed below. Such coverage shall be procured and maintained with forms and insurers acceptable to the Owner. In the case of any claims-made policy, the necessary retroactive dates and extended reporting periods shall be procured to maintain such continuous coverage. Minimum coverage limits shall be as indicated below unless specified otherwise:

(a) Worker Compensation: Contractor shall comply with all State of Colorado Regulations concerning Workers' Compensation insurance coverage.

(b) General Liability insurance with minimum limits of:

ONE MILLION DOLLARS (\$1,000,000) each occurrence and
ONE MILLION DOLLARS (\$1,000,000) per job aggregate.

The policy shall be applicable to all premises and operations. The policy shall include coverage for bodily injury, broad form property damage (including completed operations), personal injury (including coverage for contractual and employee acts), blanket contractual, products, and completed operations. The policy shall include coverage for explosion, collapse, and underground hazards. The policy shall contain a severability of interests provision.

(c) Comprehensive Automobile Liability insurance with minimum limits for bodily injury and property damage of not less than:

ONE MILLION DOLLARS (\$1,000,000) each occurrence and
ONE MILLION DOLLARS (\$1,000,000) aggregate

(d) Professional Liability & Errors and Omissions Insurance policy with a minimum of:

ONE MILLION DOLLARS (\$1,000,000) per claim

This policy shall provide coverage to protect the contractor against liability incurred as a result of the professional services performed as a result of responding to this Solicitation.

With respect to each of Contractors owned, hired, or non-owned vehicles assigned to be used in performance of the Work. The policy shall contain a severability of interests provision. The policies required by paragraph (b) above shall be endorsed to include the Owner, and the Owner's officers and employees as additional insureds. Every policy required above shall be primary insurance, and any insurance carried by the Owner, its officers, or its employees, or carried by or provided through any insurance pool of the Owner, shall be excess and not contributory insurance to that provided by Bidder. No additional insured endorsement to any required policy shall contain any exclusion for bodily injury or property damage arising from completed operations. The Bidder shall be solely responsible for any deductible losses under any policy required above.

- 2.9. Indemnification:** The Contractor shall defend, indemnify and save harmless the Owner, and all its officers, employees, insurers, and self-insurance pool, from and against all liability, suits, actions, or other claims of any character, name and description brought for or on account of any injuries or damages received or sustained by any person, persons, or property on account of any negligent act or fault of the Contractor, or of any Contractor's agent, employee, sub-contractor or supplier in the execution of, or performance under, any contract which may result from proposal award. Contractor shall pay any judgment with cost which may be obtained against the Owner growing out of such injury or damages.
- 2.10. Miscellaneous Conditions:** Material Availability: Contractors must accept responsibility for verification of material availability, production schedules, and other pertinent data prior to submission of bid. It is the responsibility of the bidder to notify the Owner immediately if materials specified are discontinued, replaced, or not available for an extended period of time. OSHA Standards: All bidders agree and warrant that services performed in response to this invitation shall conform to the standards declared by the US Department of Labor under the Occupational Safety and Health Act of 1970 (OSHA). In the event the services do not conform to OSHA standards, the Owner may require the services to be redone at no additional expense to the Owner.
- 2.11. Time:** The Contract Time is the period of time allotted in the Contract Documents for completion of the work. The date of commencement of the work is the date established in the Contract Documents.
- 2.12. Protection of Persons & Property:** The Contractor shall comply with all applicable laws, ordinances, rules, regulations and orders of any public authority having jurisdiction for the safety of persons or property or to protect them from damage, injury or loss. Contractor shall erect and maintain, as required by existing safeguards for safety and protection, and all reasonable precautions, including posting danger signs or other warnings against hazards promulgating safety

regulations and notifying owners and users of adjacent utilities. When or where any direct or indirect damage or injury is done to public or private property by or on account of any act, omission, neglect, or misconduct by the Contractor in the execution of the work, or in consequence of the non-execution thereof, the Contractor shall restore, at their own expense, such property to a condition similar or equal to that existing before such damage or injury was done, by repairing, rebuilding, or otherwise restoring as may be directed, or they shall make good such damage or injury in an acceptable manner.

- 2.19. Change Order/Amendment:** No oral statement of any person shall modify or otherwise change, or affect the terms, conditions or specifications stated in the resulting contract. All Change Orders/Amendments to the contract shall be made in writing by the Owner.
- 2.20. Assignment:** The Contractor shall not sell, assign, transfer or convey any contract resulting from this Solicitation, in whole or in part, without the prior written approval from the Owner.
- 2.21. Cancellation of Solicitation:** Any solicitation may be canceled by the Owner or any solicitation response by a vendor may be rejected in whole or in part when it is in the best interest of the Owner.
- 2.22. Compliance with Laws:** Bids must comply with all Federal, State, County and local laws governing or covering this type of service and the fulfillment of all ADA (Americans with Disabilities Act) requirements.
- 2.23. Confidentiality:** All materials submitted in response to this Solicitation shall ultimately become public record and shall be subject to inspection after contract award. **“Proprietary or Confidential Information”** is defined as any information that is not generally known to competitors and which provides a competitive advantage. Unrestricted disclosure of proprietary information places it in the public domain. Only submittal information clearly identified with the words **“Confidential Disclosure”** and uploaded as a separate document shall establish a confidential, proprietary relationship. Any material to be treated as confidential or proprietary in nature must include a justification for the request. The request shall be reviewed and either approved or denied by the Owner. If denied, the proposer shall have the opportunity to withdraw its entire proposal, or to remove the confidential or proprietary restrictions. Neither cost nor pricing information nor the total response shall be considered confidential or proprietary.
- 2.24. Conflict of Interest:** No public official and/or Owner employee shall have interest in any contract resulting from this Solicitation.
- 2.25. Contract Termination:** This contract shall remain in effect until any of the following occurs: (1) contract expires; (2) completion of work; (3) acceptance of work or, (4) for convenience terminated by either party with a written *Notice of Cancellation* stating therein the reasons for such cancellation and the effective date of cancellation.

- 2.26. Employment Discrimination:** During the performance of any services per agreement with the Owner, the Contractor, by submitting a response, agrees to the following conditions:
- 2.26.1.** The Contractor shall not discriminate against any employee or applicant for employment because of race, religion, color, sex, age, handicap, or national origin except when such condition is a legitimate occupational qualification reasonably necessary for the normal operations of the Contractor. The Contractor agrees to post in conspicuous places, visible to employees and applicants for employment, notices setting forth the provisions of this nondiscrimination clause.
 - 2.26.2.** The Contractor, in all solicitations or advertisements for employees placed by or on behalf of the Contractor, shall state that such Contractor is an Equal Opportunity Employer.
 - 2.26.3.** Notices, advertisements, and solicitations placed in accordance with federal law, rule, or regulation shall be deemed sufficient for the purpose of meeting the requirements of this section.
- 2.27. Immigration Reform and Control Act of 1986 and Immigration Compliance:** The Contractor certifies that it does not and will not during the performance of the contract employ illegal alien workers or otherwise violate the provisions of the Federal Immigration Reform and Control Act of 1986 and/or the immigration compliance requirements of State of Colorado C.R.S. § 8-17.5-101, *et seq.* (House Bill 06-1343).
- 2.28. Ethics:** The Contractor shall not accept or offer gifts or anything of value nor enter into any business arrangement with any employee, official, or agent of the Owner.
- 2.29. Failure to Deliver:** In the event of failure of the Contractor to deliver work in accordance with the contract terms and conditions, the Owner, after due oral or written notice, may procure the work from other sources and hold the Contractor responsible for any costs resulting in additional purchase and administrative services. This remedy shall be in addition to any other remedies that the Owner may have.
- 2.30. Failure to Enforce:** Failure by the Owner at any time to enforce the provisions of the contract shall not be construed as a waiver of any such provisions. Such failure to enforce shall not affect the validity of the contract or any part thereof or the right of the Owner to enforce any provision at any time in accordance with its terms.
- 2.31. Force Majeure:** The Contractor shall not be held responsible for failure to perform the duties and responsibilities imposed by the contract due to legal strikes, fires, riots, rebellions, and acts of God beyond the control of the Contractor, unless otherwise specified in the contract.

- 2.32. Independent Contractor:** The Contractor shall be legally considered an Independent Contractor and neither the Contractor nor its employees shall, under any circumstances, be considered servants or agents of the Owner. The Owner shall be at no time legally responsible for any negligence or other wrongdoing by the Contractor, its servants, or agents. The Owner shall not withhold from the contract payments to the Contractor any federal or state unemployment taxes, federal or state income taxes, Social Security Tax or any other amounts for benefits to the Contractor. Further, the Owner shall not provide to the Contractor any insurance coverage or other benefits, including Workers' Compensation, normally provided by the Owner for its employees.
- 2.33. Nonconforming Terms and Conditions:** A response that includes terms and conditions that do not conform to the terms and conditions of this Solicitation is subject to rejection as non-responsive. The Owner reserves the right to permit the Contractor to withdraw nonconforming terms and conditions from its response prior to a determination by the Owner of non-responsiveness based on the submission of nonconforming terms and conditions.
- 2.34. Ownership:** All plans, prints, designs, concepts, etc., shall become the property of the Owner.
- 2.35. Patents/Copyrights:** The Contractor agrees to protect the Owner from any claims involving infringements of patents and/or copyrights. In no event shall the Owner be liable to the Contractor for any/all suits arising on the grounds of patent(s)/copyright(s) infringement. Patent/copyright infringement shall null and void any agreement resulting from response to this Solicitation.
- 2.36. Remedies:** The Contractor and Owner agree that both parties have all rights, duties, and remedies available as stated in the Uniform Commercial Code.
- 2.37. Venue:** Any agreement as a result of responding to this Solicitation shall be deemed to have been made in, and shall be construed and interpreted in accordance with, the laws of the City of Grand Junction, Mesa County, Colorado.
- 2.38. Expenses:** Expenses incurred in preparation, submission and presentation of this Solicitation are the responsibility of the company and cannot be charged to the Owner.
- 2.39. Sovereign Immunity:** The Owner specifically reserves its right to sovereign immunity pursuant to Colorado State Law as a defense to any action arising in conjunction to this agreement.
- 2.40. Non-Appropriation of Funds:** The contractual obligation of the Owner under this contract is contingent upon the availability of appropriated funds from this fiscal year budget as approved by the City Council or Board of County Commissioners from this fiscal year only. **State of Colorado Statutes prohibit obligation of public funds beyond the fiscal year for which the budget was approved.** Anticipated expenditures/obligations beyond the end of the current Owner's fiscal

year budget shall be subject to budget approval. Any contract shall be subject to, and must contain, a governmental non-appropriation of funds clause.

2.41. Cooperative Purchasing: Purchases as a result of this solicitation are primarily for the Owner. Other governmental entities may be extended the opportunity to utilize the resultant contract award with the agreement of the successful provider and the participating agencies. All participating entities shall be required to abide by the specifications, terms, conditions and pricings established in this Solicitation. The quantities furnished in this bid document are for only the Owner. It does not include quantities for any other jurisdiction. The Owner shall be responsible only for the award for its jurisdiction. Other participating entities shall place their own awards on their respective Contract/Purchase Orders through their Purchasing Office or use their Purchasing Card for purchase/payment as authorized or agreed upon between the provider and the individual entity. The Owner accepts no liability for payment of orders placed by other participating jurisdictions that choose to piggy-back on our solicitation. Orders placed by participating jurisdictions under the terms of this solicitation shall indicate their specific delivery and invoicing instructions.

2.42. Definitions:

2.42.1. The term “Work” includes all labor, materials, equipment, and/or services necessary to produce the requirements of the Contract Documents.

2.42.2. “Contractor” is the person or organization identified as such in the Agreement and is referred to throughout the Contract Documents. The term Contractor means the Contractor or his authorized representative. The Contractor shall carefully study and compare the General Contract Conditions of the Contract, Specification and Drawings, Scope of Work, Addenda and Modifications and shall at once report to the Owner any error, inconsistency or omission he may discover. Contractor shall not be liable to the Owner for any damage resulting from such errors, inconsistencies or omissions. The Contractor shall not commence work without clarifying Drawings, Specifications, or Interpretations.

2.42.3. “Sub-Contractor is a person or organization who has a direct contract with the Contractor to perform any of the work at the site. The term sub-contractor is referred to throughout the contract documents and means a sub-contractor or his authorized representative.

3. Specifications

3.1. General: The City of Grand Junction is soliciting competitive bids from qualified and interested companies to provide an estimated 165,000 gallons of CRS-2R Cationic Rapid Setting Emulsified Asphalt Polymer Modified road oil for the City’s 2017 Chip Seal Program. Pricing shall be all inclusive and include freight/shipping charges.

3.2. Special Conditions & Provisions:

SPECIAL CONDITIONS

3.4.1 Price: All prices shall be “F.O.B. Destination Freight Pre-Paid and Allowed” to 333 West Avenue, Building A, Grand Junction, CO 81501, Attn: Streets Division/Dan Thorne. The City shall not pay nor be liable for any other additional costs including but not limited to: taxes, shipping charges, insurance, interest, penalties, termination payments, attorney fees, liquidated damages, etc.

Supplier shall state length of “pricing valid” dates and shall state dates beyond the stated period that pricing may be increased/decreased.

3.4.2 Delivery Location: Streets Division/Dan Thorne, 333 West Avenue, Building A, Grand Junction, CO 81501.

3.4.3 Estimated Quantities: The quantities indicated in this Invitation for Bid are estimates that pertain to the total aggregate quantities that may be ordered throughout the stated contract period. Variation of quantities may increase or decrease. The estimates do not indicate single order amounts unless otherwise stated. The City of Grand Junction makes no guarantees about single order quantities or total aggregate order quantities. Flexibility in quantities ordered daily from supplier is required.

3.4.4 Rejection of Materials: The City of Grand Junction reserves the right to return partially used quantities due to flaws and/or batch imperfections. Judgment of defects will be at the discretion of the City of Grand Junction purchasing representative.

3.4.5 Contract Period: The original contract period shall be as stated in the Invitation for Bid (IFB). The contract shall not bind, nor purport to bind, the City for any contractual commitment in excess of the original contract period which is June 1, 2017 to December 31, 2017. The Purchasing Manager shall have the right to renew the contract for 3 (three) additional one-year periods, or any portion thereof.

3.4.6 Packing Slips or Delivery Tickets: All shipments or deliveries shall be accompanied by Packing Slips or Delivery Tickets, and shall contain the following information for each item delivered:

- The purchase order number
- The name of the article and stock number
- The quantity ordered
- The quantity shipped
- The quantity back ordered
- The name of the vendor(s)

3.3. Specifications: The City will consider award of either CRS-2R or CRS-2P. Suppliers may provide bid pricing for either or both products. The City reserves the right to make award of product that is in the best interest of the City.

CRS-2R CATIONIC RAPID SETTING EMULSIFIED ASPHALT POLYMER MODIFIED:

CRS-2R shall be an emulsified mixture of *straight-run vacuum tower bottoms asphalt*, synthetic SBR polymer dispersion, emulsifiers and water. The emulsion shall contain a minimum of three percent (3.0%) styrene butadiene rubber (SBR) solids by weight of asphalt cement. The SBR polymer dispersion shall be co-milled during the emulsification process such that a bicontinuous polymer-asphalt network is formed upon curing of the finished emulsion. The emulsion shall be pumpable and suitable for application through a distributor truck. The emulsion, standing undisturbed for 48 hours will show milky white on top as evidence that the emulsion contains comilled SBR polymer dispersion. The emulsified asphalt shall conform to the following requirements:

Tests on Emulsion:	<u>Min</u>	<u>Max</u>	<u>Test Method</u>
Viscosity, Saybolt Furol, 50°C, s	50	450	AASHTO T-59
Storage stability test, 24-h, % ^A		1	AASHTO T-59 (§ 82 to 88)
Demulsibility, 35ml, 0.8% dioctyl sodium Sulfosuccinate, %	40		AASHTO T-59 (§ 39 to 44)
Particle charge test	positive		AASHTO T-59 (§ 28 to 33)
Sieve test, % ^A		0.1	AASHTO T-59 (§ 58 to 63)
Distillation ^B :			
Oil distillate, by volume of emulsion, %		0.5	AASHTO T-59 (§ 11 to 15)
Residue, %	67		AASHTO T-59 (§ 21 to 57)

Tests on residue from oven evaporation test (AASHTO T-59 § 21 to 27)^B:

Softening Point, Ring & Ball, °C	60		AASHTO T-53
Penetration, 4°C, 200g, 60 sec	30		AASHTO T-49
Ductility, 4°C, 5 cm/min, cm	40		AASHTO T-51
Solubility in trichloroethylene, %	97.5		AASHTO T-44
Toughness, in-lb	90		CP-L 2210*
Tenacity, in-lb		60	CP-L 2210*
Elastic recovery, 25°C, 20cm, 5m hold/1h recovery, %	60		CP-L 2211*

^A This test requirement on representative samples is waived if successful application of the material has been achieved in the field. This is a rapid setting emulsion that requires a minimum of 40°C to remain viscosity stable. Storage temperature of 40°C minimum is to be maintained on the sample between the time the sample is obtained and the sample is tested. Storage Stability is to be tested at 60°C.

^B Distillation to 260°C (T-59 §11 to 15) shall be the reference method for percent distillate and percent residue. Residue by evaporation at 163°C (T-59 §21 to 27) without passing the residue through a 300 µm sieve shall be the reference method to obtain material for tests on residue. Residue from distillation shall not be used for tests on residue due to polymer degradation at 260°C. Colorado DOT Procedure CP-L 2212*

modified to a 163°C maximum temperature may be used for acceptance testing of percent residue and tests on residue.

CP-L 2210, CP-L 2211, and CP-L 2212 are Colorado Department of Transportation test procedures.

CRS-2P CATIONIC RAPID SETTING EMULSIFIED ASPHALT POLYMER MODIFIED

Polymerized emulsions for chip seals shall conform to the requirements listed in the revised CDOT table 702-3. Emulsions for chip seals shall be an emulsified blend of polymerized asphalt, water, and emulsifiers. The asphalt cement shall be polymerized prior to emulsification and shall contain at least 3 percent polymer by weight of asphalt cement. The emulsion standing undisturbed for a minimum of 24 hours shall show no white, milky separation but shall be smooth and homogenous throughout. The emulsion shall be pumpable and suitable for application through a distributor.

**Table 702-3
POLYMERIZED EMULSIONS FOR CHIP SEALS**

Property	CRS-2P	CRS-2P	CRS-2R	HFMS-2P	AASHTO Test No.
Tests on Emulsion:					
Viscosity, at 50 °C, Saybolt-Furol, s	min	50	50	50	T 59
	max	450	450	450	
Storage stability, 24 hr, % max	1.0	1.0	1.0	1.0	T 59
Particle charge test	Positive	Positive	Positive		T 59
Sieve test, % max	0.10	0.10	0.10	0.10	T 59
Demulsibility ¹ , % min	40	40	40		T 59
Oil Distillate by volume, % max or range	3.0	3.0	3.0	3.0	T-59
Residue by distillation/ evaporation, % min ³	65 ³	65 ³	65 ³	65 ³	T 59/ CP-L 2212 ²
Tests on residue:					
Penetration, 25 °C, 100g, 5s, min, dmm	70	70	70	70	T 49
Penetration, 25 °C, 100g, 5s, max, dmm	150	150	150	150	
Ductility, 25 °C, 5 cm/min, cm, min	40			75	T 51
Ductility, 4 °C, 5 cm/min, cm, min			40		

Solubility, in trichloroethylene% min ⁴	97.5 ⁴	97.5 ⁴	97.5 ⁴	97.5 ⁴	T 44
Elastic Recovery, 25 °C min				58	T 301
Float Test, 60 °C, s min				1200	T 50
Toughness, in-lbs, min		70	90		CP-L 2210
Tenacity, in-lbs, min		45	45		CP-L 2210

¹If successful application is achieved in the field, the Engineer may waive this requirement.

² CP-L 2212 is a rapid evaporation test for determining percent residue of an emulsion and providing material for tests on residue. CP-L 2212 is for acceptance only. If the percent residue or any test on the residue fails to meet specifications, the tests will be repeated using the distillation test in conformance with AASHTO T-59 to determine acceptability.

³ For polymerized emulsions the distillation and evaporation tests will in be in conformance with AASHTO T-59 or CP-L 2212 respectively with modifications to include 205 ± 5 °C (400 ± 10 °F) maximum temperature to be held for 15 minutes.

⁴ Solubility may be determined on the base asphalt cement prior to polymer modification.

3.4. IFB Tentative Time Schedule:

- Invitation for Bids available March 23, 2017
- Inquiry deadline, no questions after this date March 31, 2017
- Addenda Issued by April 3, 2017
- Submittal deadline for proposals April 7, 2017
- City Council Approval May 3, 2017
- Contract execution (unless Council approval required) May 4, 2017

3.5. Questions Regarding Scope of Services:

Duane Hoff Jr., Senior Buyer
duaneh@gjcity.org

4. Contractor's Bid Form

Bid Date: _____

Project: IFB-4359-17-DH "Chip Seal Road Oil"

Bidding Company: _____

Name of Authorized Agent: _____

Email _____

Telephone _____ **Address** _____

City _____ **State** _____ **Zip** _____

The undersigned Bidder, in compliance with the Invitation for Bids, having examined the Solicitation Documents thereto, having investigated the location of, and conditions affecting the proposed work, hereby proposes to furnish all labor, materials and supplies, and to perform all work for the Project in accordance with Contract Documents, within the time set forth and at the prices stated below. These prices are to cover all expenses incurred in performing the work required under the Contract Documents, of which this Contractor's Bid Form is a part.

The undersigned Contractor does hereby declare and stipulate that this offer is made in good faith without collusion or connection to any person(s) providing an offer for the same work, and that it is made in pursuance of, and subject to, all terms and conditions of the Instructions to Bidders, the Specifications, and all other Solicitation Documents, all of which have been examined by the undersigned.

The Contractor also agrees that if awarded the Contract, to provide insurance certificates within ten (10) working days of the date of Notification of Award. Submittal of this offer will be taken by the Owner as a binding covenant that the Contractor will be prepared to complete the project in its entirety.

The Owner reserves the right to make the award on the basis of the offer deemed most favorable, to waive any formalities or technicalities and to reject any or all offers. It is further agreed that this offer may not be withdrawn for a period of sixty (60) calendar days after closing time. Submission of clarifications and revised offers automatically establish a new thirty day (30) period.

RECEIPT OF ADDENDA: the undersigned Contractor acknowledges receipt of Addenda to the Solicitation, Specifications, and other Contract Documents.

State number of Addenda received: _____.

It is the responsibility of the Bidder to ensure all Addenda have been received and acknowledged.

Authorized Signature: _____

Title: _____

PRICE BID SCHEDULE: IFB-4359-17-DH Chip Seal Road Oil

Item	Unit	Description	Unit Price
1.	Gallon	CRS-2R Cationic Rapid Setting Emulsified Asphalt Polymer Modified road oil for the City's 2017 Chip Seal Program, as per specifications stated in the solicitation documents.	

Item 1 Unit Price Written: _____

Pricing Valid Dates: from: _____ **to** _____

Pricing Adjustments may occur: _____

Item	Unit	Description	Unit Price
2.	Gallon	CRS-2P Cationic Rapid Setting Emulsified Asphalt Polymer Modified road oil for the City's 2017 Chip Seal Program, as per specifications stated in the solicitation documents.	

Item 2 Unit Price Written: _____

Pricing Valid Dates: from: _____ **to** _____

Pricing Adjustments may occur: _____

- Direct purchases by the City of Grand Junction are tax exempt from Colorado Sales or Use Tax. Tax exempt #98-903544.
- The undersigned certifies that no Federal, State, County or Municipal tax will be added to the above quoted prices.
- Prompt payment discount of _____ percent of the net dollar amount will be offered to the Owner if the invoice is paid within _____ days after the receipt of the invoice.
- The undersigned certifies and agrees that this bid is submitted in accordance with all applicable Federal, State, County, and City laws.

By signing below, the Undersigned agree to comply with all terms and conditions contained herein.

Company: _____

Authorized Signature: _____

Title: _____