

**ADDENDUM NO. 1
INVITATION FOR BID
HOSPITAL DRIVE ROAD IMPROVEMENT PROJECT**

Date: July 17, 2018

Contracting Agency: City of Raton
224 Savage Avenue
Raton, New Mexico 87740
(575) 445-9551

Issued By: Karen Stearns, P.E. *KMS*

Solicitors are instructed to incorporate the following clarifications/revisions into their bid for the above referenced Invitation for Bid.

Bid Document	Page	Section	Clarification / Revision
Project Manual	NIB-1	Notice of Invitation for Bid	The bid opening is rescheduled to July 23, 2018 at 10:00 AM. Sealed bids shall be received until July 23, 2018 at 10:00 AM at the office of the City Manager.
Project Manual	BF-1	Bid Form	Bid Deadline: July 23, 2018 by 10:00 AM.
Project Manual	BF-4	Bid Form	Add of Bid Item 16: 8-inch Thick Base Course with an Estimated Quantity of 920 SY. See attached Bid Form dated 07/17/2018.
Project Manual	BF-1 to BF-6	Bid Form	Bidders are required to use the attached Bid Form dated 07/17/2018.
Project Manual	TS-7	Technical Specifications	Add Bid Item 16: 8-inch Thick Base Course. See attached Technical Specifications dated 07/17/2018.

**BID FORM
CITY OF RATON
HOSPITAL DRIVE ROAD IMPROVEMENTS**

ARTICLE 1 – BID RECIPIENT

1.01 This Bid is submitted to the Owner:

**City of Raton
224 Savage Avenue
P.O. Box 910
Raton, NM 87740
Scott Berry, City Manager
Work: (575) 445-0801**

The Bid deadline is:

July 23, 2018 **by 10:00 am**

- 1.02 The undersigned Bidder proposes and agrees, if this Bid is accepted, to enter into an Agreement with Owner in the form included in the Bidding Documents to perform all Work as specified or indicated in the Bidding Documents for the prices and within the times indicated in this Bid and in accordance with the other terms and conditions of the Bidding Documents.
- 1.03 The Owner reserves the right to increase or decrease any or all quantities as in the best interest of the Owner.
- 1.04 The Owner reserves the right to reject any or all bids, to waive any informalities, or to accept any portion of the bid as is in the best interest of the Owner.
- 1.05 The Owner shall consider and apply provisions of NMSA 13-4-2 regarding Certified New Mexico Resident Contractor and NMSA 13-1-21/ 13-l-22 regarding Certified Veterans Preference in this procurement.

ARTICLE 2 – BIDDER’S ACKNOWLEDGEMENTS

2.01 Bidder accepts all of the terms and conditions of the Instructions to Bidders, including without limitation those dealing with the disposition of Bid security. This Bid will remain subject to acceptance for 60 days after the Bid opening, or for such longer period of time that Bidder may agree to in writing upon request of Owner.

ARTICLE 3 – BIDDER’S REPRESENTATIONS

3.01 In submitting this Bid, Bidder represents that:

- A. Bidder has examined and carefully studied the Bidding Documents, and any data and reference items identified in the Bidding Documents, and hereby acknowledges receipt of the following Addenda:

<u>Addendum No.</u>	<u>Addendum, Date</u>
_____	_____
_____	_____
_____	_____

- B. Bidder has visited the Site, conducted a thorough, alert visual examination of the Site and adjacent areas, and become familiar with and satisfied itself as to the general, local, and Site conditions that may affect cost, progress, and performance of the Work.
- C. Bidder is familiar with and has satisfied itself as to all Laws and Regulations that may affect cost, progress, and performance of the Work.
- D. Bidder has carefully studied all: (1) reports, if any, of explorations and tests of subsurface conditions at or adjacent to the Site and all drawings of physical conditions relating to existing surface or subsurface structures at the Site that have been identified in the Supplementary Conditions, especially with respect to Technical Data in such reports and drawings, and (2) reports and drawings relating to Hazardous Environmental Conditions, if any, at or adjacent to the Site that have been identified in the Supplementary Conditions, especially with respect to Technical Data in such reports and drawings.
- E. Bidder has considered the information known to Bidder itself; information commonly known to contractors doing business in the locality of the Site; information and observations obtained from visits to the Site; the Bidding Documents; and any Site-related reports and drawings identified in the Bidding Documents, with respect to the effect of such information, observations, and documents on (1) the cost, progress, and performance of the Work; (2) the means, methods, techniques, sequences, and procedures of construction to be employed by Bidder; and (3) Bidder's safety precautions and programs.
- F. Bidder agrees, based on the information and observations referred to in the preceding paragraph, that no further examinations, investigations, explorations, tests, studies, or data are necessary for the determination of this Bid for performance of the Work at the price bid and within the times required, and in accordance with the other terms and conditions of the Bidding Documents.
- G. Bidder is aware of the general nature of work to be performed by Owner and others at the Site that relates to the Work as indicated in the Bidding Documents.
- H. Bidder has given Engineer written notice of all conflicts, errors, ambiguities, or discrepancies that Bidder has discovered in the Bidding Documents, and confirms that the written resolution thereof by Engineer is acceptable to Bidder.
- I. The Bidding Documents are generally sufficient to indicate and convey understanding of all terms and conditions for the performance and furnishing of the Work.
- J. The submission of this Bid constitutes an incontrovertible representation by Bidder that Bidder has complied with every requirement of this Article, and that without exception the Bid and all prices in the Bid are premised upon performing and furnishing the Work required by the Bidding Documents.
- K. Bidder agrees to execute the standard form of contract and to furnish Performance Bond in the amount of One Hundred Percent (100%) of the total bid amount, Payment Bond in the amount of One Hundred Percent (100%) of the total bid amount and Certificates of Insurance within fifteen (15) days following receipt of Notice of Award, and failing to do so, to forfeit the accompanying bid bond to the Owner as liquidated damages, and the Owner may proceed to award the contract to others.
- L. In accordance with NMSA 13-4-13.1.1., the contractor or subcontractor(s) for a public works project that is subject to the Public Works Minimum Wage Act [13-4-10 NMSA 1978], serving as a prime contractor or not, shall be registered with the Labor and Industrial Division of the Labor Department in order to submit a bid valued at more than sixty thousand dollars (\$60,000). Sealed bids received that are not compliant with this provision shall be subject to rejection by the Owner.

ARTICLE 4 – BIDDER’S CERTIFICATION

4.01 Bidder certifies that:

- A. This Bid is genuine and not made in the interest of or on behalf of any undisclosed individual or entity and is not submitted in conformity with any collusive agreement or rules of any group, association, organization, or corporation;
- B. Bidder has not directly or indirectly induced or solicited any other Bidder to submit a false or sham Bid;
- C. Bidder has not solicited or induced any individual or entity to refrain from bidding; and
- D. Bidder has not engaged in corrupt, fraudulent, collusive, or coercive practices in competing for the Contract. For the purposes of this Paragraph 4.01.D:
 - 1. “corrupt practice” means the offering, giving, receiving, or soliciting of any thing of value likely to influence the action of a public official in the bidding process;
 - 2. “fraudulent practice” means an intentional misrepresentation of facts made (a) to influence the bidding process to the detriment of Owner, (b) to establish bid prices at artificial non-competitive levels, or (c) to deprive Owner of the benefits of free and open competition;
 - 3. “collusive practice” means a scheme or arrangement between two or more Bidders, with or without the knowledge of Owner, a purpose of which is to establish bid prices at artificial, non-competitive levels; and
 - 4. “coercive practice” means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in the bidding process or affect the execution of the Contract.

ARTICLE 5 – BASIS OF BID

5.01 Bidder will complete the Work in accordance with the Contract Documents for the following price(s):

- A. For all Work other than Unit Price Work, an amount equal to the sum of Lump Sum Amounts:

Lump Sum Bid Items		
Base Bid:		
Item No.	Description	Amount Bid
1	Mobilization/Demobilization & General Requirements	\$
2	Existing Surface Brooming/Sediment Removal	\$
3	Demolition and Removal of Existing Concrete and Asphalt	\$
9	Concrete Valley Gutter (18’X37’X8” thick)	\$
Subtotal of Lump Sum Bid Items 1 to 3 and 9, Excluding New Mexico Gross receipts Tax⁽¹⁾		\$

B. For all Work as Unit Price Work, an amount equal to the sum of extended prices:

Unit Price Bid Items					
Item No.	Description	Units	Estimated Quantity	Unit Bid Price	Extended Price
Base Bid:					
4	Neat Asphalt Pavement Saw Cut, Full Depth	LF	390	\$	\$
5	1.5-Inch Full Road Width Cold Milling (Asphalt)	SY	3,985	\$	\$
6	Excavation, Borrow & Embankment	CY	150	\$	\$
7	Backfill Material	CY	75	\$	\$
8	Linear Grading	MILE	0.06	\$	\$
10	Asphalt Patching	SY	0	\$	\$
11	Tack Coat	SY	4,905	\$	\$
12	1.5-Inch Thick Hot Mix Asphalt Pavement	SY	3,985	\$	\$
13	3-Inch Thick Hot Mix Asphalt Pavement	SY	920	\$	\$
14	Water/Gas Valve Collar Adjustment	EA	1	\$	\$
15	Manhole Collar Adjustment	EA	3	\$	\$
16	8-Inch Thick Base Course	SY	920	\$	\$
Subtotal of All Unit Price Bid Items 4 to 8 and 10 to 16, Excluding New Mexico Gross Receipts Tax⁽¹⁾					\$

Bidder acknowledges that (1) each Bid Unit Price includes an amount considered by Bidder to be adequate to cover Contractor's overhead and profit for each separately identified item, and (2) estimated quantities are not guaranteed, and are solely for the purpose of comparison of Bids, and final payment for all unit price Bid items will be based on actual quantities, determined as provided in the Contract Documents.

Subtotal of Lump Sum + Unit Price Bids = Total Bid Price⁽¹⁾ = \$

Note:

- 1) The basis for award of the Bid shall be the lowest responsive Base Bid Price amount without New Mexico Gross Receipts Tax (NMGRT). NMGRT shall be applied during invoicing throughout the project payment period.

ARTICLE 6 – TIME OF COMPLETION

- 6.01 Bidder agrees that the Work will be substantially complete and will be completed and ready for final payment in accordance with Paragraph 15.06 of the General Conditions on or before the dates or within the number of calendar days indicated in the Agreement.
- 6.02 Bidder accepts the provisions of the Agreement as to liquidated damages.

ARTICLE 7 – ATTACHMENTS TO THIS BID

- 7.01 The following documents are submitted with and made a condition of this Bid:
 - A. Bid Form (mandatory);
 - B. Required Bid Security (mandatory);
 - C. Bidder’s List of Subcontractors and Suppliers (mandatory for compliance with the Subcontractors Fair Practices Act);
 - D. Campaign Contribution Disclosure Form (mandatory);
 - E. New Mexico Resident Veterans Preference Certification No.: _____ (if applicable);
 - F. New Mexico Resident Business Preference Certification No.: _____ (if applicable);
 - G. List of Project References (preferred);
 - H. New Mexico CRS No.: _____ (mandatory);
 - I. New Mexico Contractor’s License No. and Classification: _____
[or] Evidence of Bidder’s ability to obtain a State Contractor’s License and a covenant by Bidder to obtain said license within the time for acceptance of Bids (mandatory);
 - J. New Mexico Labor Department Labor Enforcement Registration No.: _____ (mandatory);
 - K. Contractor’s Federal I.D. No.: _____ (mandatory);
 - L. Required Bidder Qualification Statement with supporting data (preferred); and
 - M. A copy of the first page of each Addendum issued (preferred).

ARTICLE 8 – DEFINED TERMS

- 8.01 The terms used in this Bid with initial capital letters have the meanings stated in the Instructions to Bidders, the General Conditions, and the Supplementary Conditions.

ARTICLE 9 – BID SUBMITTAL

BIDDER: *[Indicate correct name of bidding entity]*

By: _____
[Signature]

[Printed name] _____

(If Bidder is a corporation, a limited liability company, a partnership, or a joint venture, attach evidence of authority to sign.)

Attest:

[Signature] _____

[Printed name] _____

Title: _____

Submittal Date: _____

Address for giving notices:

Telephone Number: _____

Fax Number: _____

Contact Name and E-Mail Address: _____

TECHNICAL SPECIFICATIONS

General

All work shall be performed in accordance with Project Drawings, Specifications, and Contract Documents. Work not covered by Project Drawings, Specifications and Contract Documents shall be performed in accordance with New Mexico Department of Transportation Standard Specifications for Highway and Bridge Construction (2014 Edition, including Addenda, Special Provisions, and Supplemental Documents; hereinafter called NMDOT Specifications). Work not covered by Project Drawings, Contract Documents, or NMDOT Specifications shall be performed in accordance with New Mexico Standard Specifications for Public Works Construction, 2006 edition, published by the American Public Works Association (hereinafter called APWA Specifications).

Where differences, conflicts, or discrepancies that occur between Project Drawings, Specifications, Contract Documents, NMDOT Specifications and APWA Specifications; the Project Specific Drawings, Specifications and Contract Documents shall take precedence and apply to work. Quantities are given only as a guide to the contractor; the contractor must satisfy and inform himself of required quantities by field verification before submitting their bid. The Owner reserves the right to make alterations in the work as may be necessary to complete the work as originally intended.

The Contractor shall supply all labor, equipment, tools, supervision, materials, parts and appurtenances, whether or not specifically required or detailed by Project Drawings, Specifications, or Contract Documents, to complete a fully functional project. Where applicable, material manufacturer's recommendations or specifications shall be submitted by the Contractor to the Owner's Project Representative and shall receive written approval for incorporation into the work. If approved, manufacturer's recommendations or specifications shall be fully complied with. The Contractor is required to supply qualified and competent labor and supervision capable of completing the required work in a timely manner and the necessary equipment in safe and good working condition suitable for the required work. Necessary work, materials, equipment and appurtenances needed to complete the project for which there is no bid item shall be considered as Incidental.

Utilities

Due to insufficient or conflicting information, not all existing utilities are shown on the Drawings. Existing utilities known to be present within the project boundaries include, but are not limited to, water, sewer, electrical, natural gas, telephone, cable, and fiber optic.

The Contractor shall coordinate the work with any affected public or private utility owner with facilities, structures, lines, wires, pipes or other fixtures and appurtenances in the project area. The Contractor shall reasonably protect existing utilities, request locations and spots of utilities in a timely manner prior to excavation or disturbance, and shall cooperate with utility owners if relocation or adjustment is necessary.

The Contractor shall supply, at his own expense with no additional payment by the Owner, all necessary incidental fees and costs related to waste disposal, electricity, construction water, sewer, telephone, cleanup, hauling, replacement of damaged property, staging, claims, fines, etc. Construction utilities, utility coordination and protection are incidental and no direct payment will be made outside the scope of Bid Items 14 and 15 Water/Gas Valve Collar Adjustment and Manhole Collar Adjustment.

Construction Sequencing, Safety and Traffic Control

Safety and traffic control shall conform to OSHA and the Manual of Uniform Traffic Control Devices, respectively and are to be the sole responsibility of the contractor; no direct payment will be made. The Contractor shall prepare and submit a Traffic Control Plan and a Construction Sequence Plan that will ensure reasonable access to residents and businesses and offer a best effort plan to keep a minimum of one traffic lane open at all times for accommodating emergency vehicles. Construction and/or demolition activities shall be scheduled so as to minimize disturbance and disruption to area residents, businesses, and traffic. Street closures and utility shutoffs resulting in obstruction of service to residences or businesses shall be limited to a maximum 8-hour period. The Contractor is responsible to provide adequate notification to all affected persons prior to street closures or water service disruption. A Construction Sequence Plan, including public notification plans, shall be submitted by the Contractor to the Owner's Project Representative prior to construction and/or demolition activities. The Construction Sequence Plan shall include provisions to ensure that sufficient material and trucks are provided that the pavement is able to be laid without stopping during day time operations. The plans for traffic control and sequencing of construction must be approved by the Owner's Project Representative prior to commencement of the work. Safety and Traffic Control are incidental and no direct payment will be made. Necessary work, materials, equipment and appurtenances needed to complete the project for which there is no bid item shall be considered as Incidental.

The Contractor has the option during construction of the concrete valley gutter to completely close the intersection of Hospital Drive and Card Avenue. No traffic shall be allowed on the concrete valley gutter until it reaches a compressive strength of at least 3,000 psi. Traffic shall not be allowed within 6 inches of exposed concrete edges during construction and edges shall be coned off to restrict traffic from driving on them. This closure shall be minimized and a single lane of southbound traffic (towards hospital) shall be allowed to pass when possible. If single lane of southbound traffic is allowed to pass, a detour must be in place to direct northbound traffic back to S. 2nd Street. The detour route shall direct traffic along State Highway 555 (York Canyon Road) to La Mesa Drive, then along La Mesa Drive to Turf Drive which connects to Hospital Drive on the south side of the intersection, and vice-versa for traffic leaving the Hospital Drive. Signage shall include hospital signs at each turn along the detour with directional arrows. The non-paved access road to the Holiday Inn Hotel may be utilized as a detour to the hotel, but additional delineator posts shall be installed along the south road edge entering the parking lot along with a "Business Access" sign located at Hospital Drive indicating the direction to the Holiday Inn business.

The contractor shall arrange for traffic control within the project area to be in effect at all times during the construction phase and should conform to the Manual on Uniform Traffic Control Devices (MUTCD). Traffic control devices and methods shall be in compliance with section 702 of the NMDOT 2014 Standard Specifications. A detour route must be arranged to accommodate any and all road closures. The Contractor shall submit a Traffic Control Plan to the Owner's Project Representative, and the Traffic Control Plan must be approved prior to the commencement of work.

Dust Control

Contractor is responsible for job site dust control. Dust must be controlled at all times as directed by the Owner's Project Representative. The Contractor is responsible for obtaining all necessary construction water and all costs associated with construction water or other utilities necessary for the completion of the work or appurtenant usages. Dust Control is incidental and no direct payment will be made.

Ponding of Surface Water

Ponding of surface water will not be permitted at any time during construction.

Specification for Portland Cement Concrete

All water valves and manhole rims, if applicable, shall be raised and shall have concrete collars per the NMDOT Specifications.

Standard Portland cement concrete shall conform to the requirements of Section 510, NMDOT Specifications, 2014, for Class A Concrete. Full documentation of the approved mix design submittal shall be filed with the Owner's Project Representative. White pigmented curing compound shall be used on all new concrete. All forms shall be inspected and approved by the Owner's Project Representative prior to concrete placement. Concrete shall be properly cured and protected from temperature extremes in accordance with ACI Specifications 305 and 306.

Requirement for Pre-Construction Meeting

The Project Engineer shall schedule a Pre-Construction Meeting for the purpose of discussion of requirements for construction. The Contractor shall provide all supervisory staff, equipment operators, and other skilled personnel for mandatory attendance at the Pre-Construction Meeting for instruction by the Project Engineer in project requirements. The Pre-Construction Meeting shall provide opportunity for the Engineer and Owner to clarify its requirements and the Contractor's obligations under the Contract. All replacement personnel beginning work on the project following Pre-Construction Meeting shall be required to attend project requirement training.

Submittals

The following submittals will be required and submitted to the Owner's Project Representative.

1. Hot Mix Asphalt (HMA) Mix Design
2. Class A Portland Cement Concrete Mix Design
3. Construction Sequencing Plan
4. Traffic Control and Safety Plan

Materials testing performed by Contractor or Contractor's agents for the purpose of preparation of a mix design or any required submittal information for approval of material for incorporation into the project will not be paid or reimbursed. Submission of test data, reports or documentation on similar material previously utilized on NMDOT projects may be utilized for acceptance of material, however, no payment shall be made.

DESCRIPTION OF BID ITEMS

ITEM 1: MOBILIZATION / DEMOBILIZATION AND GENERAL REQUIREMENTS

The Contractor shall mobilize all necessary tools, equipment and materials to complete the project. Payment under Item 1 shall include all associated costs with mobilization and demobilization of equipment and tools, material delivery, protection and storage of materials and equipment, temporary labor boarding, and all general requirements not included in pay items 2 through 15. Payment under this item shall be paid for at the contract lump sum price for mobilization, demobilization and general requirements.

ITEM 2: EXISTING SURFACE BROOMING / SEDIMENT REMOVAL

The Contractor is responsible for removal of silt, sediment, organic material or debris from potholes, road edges, drainage ways, and existing street surfaces. Removal may be accomplished by brooming, sweeping, excavation, or approved effective method. Payment under Item 2 shall include removal, loading, hauling and disposal of all designated materials. Payment under this item shall be paid for at the contract lump sum price for existing surface brooming and sediment removal.

ITEM 3: DEMOLITION AND REMOVAL OF EXISTING CONCRETE AND ASPHALT

The Contractor shall provide all necessary tools, equipment and materials to cut, demolish, and remove all areas of existing concrete or asphalt pavement as indicated on the Drawings. The limits of the demolition shall be neatly saw cut and the areas of asphalt pavement not being demolished, including existing subgrade, shall be protected in place. Contractor can stockpile demolished concrete and asphalt at the designated City maintenance yard. Work under this item shall be paid for at the contract lump sum price for demolition and removal of existing concrete and asphalt.

ITEM 4: NEATLY SAW CUT ASPHALT PAVEMENT, FULL DEPTH

The Contractor shall provide a neat, straight full depth saw cut of existing asphalt pavement at designated locations. Work under this item shall be paid for at the contract unit price per linear foot of asphalt saw-cutting provided.

ITEM 5: 1.5-INCH FULL ROAD WIDTH COLD MILLING (ASPHALT)

The Contractor shall provide work in accordance with the requirements of Section 414, NMDOT Specifications. Contractor shall be responsible for milling and removing existing asphalt pavement by cold milling method to a depth of 1.5-inches completed. Work under this item shall include loading, hauling, and placement of milling material at the designated Raton maintenance yard (if applicable) or properly disposed of off-site. Measurement and payment for this item shall be at the contract unit price per square yard of cold milling provided by the Contractor.

ITEM 6: EXCAVATION, BORROW AND EMBANKMENT

The Contractor shall perform excavation, borrow and embankment in accordance with NMDOT Specifications Section 203 for the areas indicated on the Drawings. It is anticipated that existing grade will need cut and fill material as the section of Hospital Drive at the intersection of Card Avenue is reconstructed. Cut and fill approximations are shown on the Project Drawings. All existing excess soil shall be used as borrow throughout the project prior to the use of additional backfill material. While grading is being performed, subgrade shall be scarified, moisture conditioned, and recompacted to not less than 95 percent of the maximum density as determined by the modified proctor (ASTM D-1557). Moisture content shall be at optimum moisture content plus or minus 2 percent as determined by ASTM D-1557.

Measurement and payment for this Bid Item shall be at the contract unit price per cubic yard of rough grading (i.e., excavation, borrow and embankment) as constructed by the Contractor.

ITEM 7: BACKFILL MATERIAL

Backfill material shall consist of Select Backfill in accordance with NMDOT Specifications Section 206.2.1. Backfill material is anticipated to be required to build up the subgrade layer for the portion of Hospital Drive that is to be reconstructed. Backfill material shall be moisture conditioned, placed in loose lifts no greater than 8 inches thick, and compacted to not less than 95 percent of the maximum density as determined by the standard proctor (ASTM D-698). Moisture content shall be at optimum moisture content plus or minus 2 percent as determined by ASTM D-698. Measurement and payment for this Bid Item shall be at the contract unit price per cubic yard of backfill material provided, placed, and compacted by the Contractor.

ITEM 8: LINEAR GRADING

The Contractor shall perform linear grading in accordance with NMDOT Specifications Section 208. Upon completion of excavation, borrow, embankment and backfill material placement, linear grading will be required to reshape the roadway and ensure a 2% crown at the road centerline. The roadway shall transition to a minimum 1% slope in the natural drainage direction with no crown at intersections. Measurement and payment for this Bid Item shall be at the contract unit price per mile of linear grading constructed by the Contractor.

ITEM 9: CONCRETE VALLEY GUTTER (18'x37'x8" THICK)

The Contractor shall provide all tools and materials necessary to construct a new reinforced concrete valley gutter as indicated on the Drawings and in accordance with NMDOT Specifications Section 510. Concrete valley gutter shall be bedded on compacted subgrade. Concrete shall consist of Class A concrete and be reinforced with No. 5 bars at 12 inches on center each way. Concrete shall contain a minimum compressive strength of 4000 psi at 28 days of cure time. Concrete shall have a maximum slump of 6 inches and shall be air-entrained with an air content of 5% to 8%. Concrete shall contain control joints with a maximum spacing of 10 feet between joints or as indicated by the Project Engineer. Work under this item shall be paid at the contract lump sum price for 8-inch concrete valley gutter constructed and shall include all associated subgrade preparation, grading, and compaction to ensure elevations on the Drawings are met.

ITEM 10: ASPHALT PATCHING MATERIAL, IN PLACE

No asphalt patching is anticipated for the completion of this project; however, it may be deemed necessary by the Project Engineer upon the discovery of existing deteriorated asphalt after cold milling operations have been completed. The work under this item shall consist primarily of preparing, grading, placing asphalt and compacting areas requiring patching as designated by the Project Engineer. Preparation shall include sufficient removal and grading of subgrade to ensure a minimum course thickness of 3 inches throughout the patch. Subgrade shall be scarified, moisture conditioned, and recompacted to not less than 95 percent of the maximum density as determined by the modified proctor (ASTM D-1557). Moisture content shall be at optimum moisture content plus or minus 2 percent as determined by ASTM D-1557. The work shall also include providing, placing and compacting approved asphalt material to existing grade, prior to placement of the overlay course. Measurement and payment for this bid item shall be at the contract unit price per square yard of asphalt patching material provided and placed by the Contractor.

ITEM 11: TACK COAT

The Contractor shall provide all labor, materials, tools and equipment necessary for furnishing and applying bituminous material to an existing asphalt surface to provide bond for a new asphalt surface course. Contractor shall provide work in accordance with the requirements of Section 407, NMDOT Specifications. The Tack Coat shall be uniformly applied with a pressure distributor at a rate of 0.08 gallons per square yard. The Tack Coat shall be applied in such a manner as to offer the least inconvenience to traffic, to permit one-way traffic without pick-up or tracking of the asphalt material, and to avoid damage to structures, property, cars, etc. The Tack Coat shall be applied only as far in advance of the next course placement as is necessary to obtain its proper condition of tackiness. Until the course is placed, the Contractor shall protect the Tack Coat from damage. Measurement and payment for this item shall be at the contract unit price per square yard of Tack Coat constructed by the Contractor.

ITEM 12: 1.5-INCH THICK HOT MIX ASPHALT PAVEMENT

Hot Mix Asphalt (HMA) shall conform to Section 423, NMDOT Specifications for HMA, and shall be placed in a single course over the existing milled road pavement surface at a final compacted lift depth of 1.5 inches minimum. Pavement placement shall be SP-IV per NMDOT Specifications Section 423. Placement and testing shall be completed per Section 417 of the NMDOT Specifications and shall be roller compacted to no less than 95 percent of the theoretical maximum density. Final compaction of pavement less than 95 percent may be considered acceptable for a bid price reduction comparable to that outlined in Table 417.3.5.1 of the NMDOT Standard Specifications.

Contractor shall also provide a 4:1 HMA taper at the edge of the road section where no curb and gutter is present which shall be considered as incidental to this payment item. Measurement and payment for this bid item shall be at the contract unit price per square yard of 1.5-inch depth Hot Mix Asphalt constructed by the Contractor.

ITEM 13: 3-INCH THICK HOT MIX ASPHALT PAVEMENT

Hot Mix Asphalt (HMA) shall conform to Section 423, NMDOT Specifications for HMA, and shall be placed in a single course over the reconstructed road bed at a final compacted lift depth of 3 inches minimum. Pavement placement shall be SP-IV per NMDOT Specifications Section 423. Placement and testing shall be completed per Section 417 of the NMDOT Specifications and shall be roller compacted to no less than 95 percent of the theoretical maximum density. Final compaction of pavement less than 95 percent may be considered acceptable for a bid price reduction comparable to that outlined in Table 417.3.5.1 of the NMDOT Standard Specifications.

Contractor shall also provide a 4:1 HMA taper at the edge of the road section where no curb and gutter is present which shall be considered as incidental to this payment item. Measurement and payment for this bid item shall be at the contract unit price per square yard of 3-inch depth Hot Mix Asphalt constructed by the Contractor.

ITEM 14: WATER VALVE/GAS VALVE COLLAR ADJUSTMENT

Existing water system or gas line valve boxes within the street section shall be adjusted accordingly to match the grade and elevation of the final paved surface. The Contractor is responsible for coordinating with the appropriate utility companies to identify any and all valve lids that are required to be protected in place and raised to grade. Valve box lids shall be set in place with a 6" thick by 24" octagonal concrete collar included in the unit price. Existing concrete collars (if present) shall be removed and replaced and the valve box shall be protected in place during construction. Work under this item shall be measured and paid for at the contract unit price per each existing valve lid adjusted to grade with new concrete collar.

ITEM 15: MANHOLE COLLAR ADJUSTMENT

Existing sewer system manholes within the new street section shall be adjusted accordingly to match the grade and elevation of the final paved surface. The Contractor is responsible for coordinating with the appropriate utility companies to identify any and all manhole lids that are required to be protected in place and raised to grade. Sewer manhole lids shall be set in place with a 6" thick and 5' octagonal concrete collar included in the unit price. Existing concrete collars (if present) shall be removed and replaced and the manhole shall be protected in place during construction. Work under this item shall be measured and paid for at the contract unit price per each existing manhole cover adjusted to grade, including a concrete collar.

ITEM 16: 8-INCH THICK BASE COURSE

The Contractor shall provide, haul, place, grade, water and compact base course material for all finished road bed grading operations performed within the roadway.

Base Course material shall conform to Section 303 of the NMDOT Standard Specification for Base Course, Type I or Type II, and shall be place at a final compacted depth of eight (8.0) inches. Base Course material shall be placed the entire width of the new pavement section at a maximum lift thickness of eight (8.0) inches. All base course material shall be compacted to a minimum of 95 percent maximum dry density and at moisture content of minus 1 to plus three percent (-1% to +3%) of optimum moisture in accordance with the Standard Proctor (ASTM D-698). Measurement and payment for this Bid Item shall be at the contract unit price per cubic yard of 8-inch thick base course provided, placed, and compacted by the Contractor.