

ADDENDUM NO. 1
January 12, 2024

LOWER NORTHSIDE STREET RECONSTRUCTION
O. F. 1467.2

Bid Time and Date: 9:00 a.m., January 17, 2024
Office of the City Clerk, Room 204, Civic Center, Great Falls, MT

NOTICE TO ALL BIDDERS

The Contract Specifications and plans are hereby modified as follows, and in submitting his/her bid, each bidder shall acknowledge receipt of all addenda, which will become part of the Contract Documents according to the requirements outlined in the INSTRUCTIONS TO BIDDERS.

TO THE CONTRACT DOCUMENTS

1. BID FORM:

CORRECTIONS

107.	Storm Water Lateral 8" through 15" SDR 35 PVC	392 567	L.F.	_____	_____
108.	Connect to Existing Storm Lateral	3 5	E.A.	_____	_____
109.	Connect to Existing Storm Manhole	16 14	E.A.	_____	_____

Replace Bid Form sheets 3 and 4 with attached Bid Form sheets 3 and 4.

2. MEASUREMENT AND PAYMENT:

CORRECTIONS

Type I Curb Inlet w/ Concrete Apron (Remove and Replace): Measurement shall be made per **Each** structure installed. Payment will be made at the contract unit price per **Each** in place which includes the following: all costs for labor, materials, and equipment for excavation; removal and disposal of existing structure, curb and gutter, asphalt, and soil; furnishing, placing and compacting 12-inches of 1½-inch minus base course under the inlet structure; furnishing and installing new structure, ~~up to 10 feet of pipe~~, pipe openings/connections, ~~PSX penetrations~~, gaskets, rings, frames, covers or grates, concrete apron, grout, fillet; and all other work necessary to complete the item.

Type II Curb Inlet w/ Concrete Apron (Remove and Replace): Measurement shall be made per **Each** structure installed. Payment will be made at the contract unit price per **Each** in place which includes the following: all costs for labor, materials, and equipment for excavation; removal and disposal of existing structure, curb and gutter, asphalt, and soil; furnishing, placing and compacting 12-inches of

1½-inch minus base course under the inlet structure; furnishing and installing new structure, ~~up to 10 feet of pipe~~, pipe openings/connections, ~~PSX penetrations~~, gaskets, rings, frames, covers or grates, concrete apron, grout, fillet; and all other work necessary to complete the item.

Replace Measurement and Payment sheets 1 through 5 with attached Measurement and Payment sheets 1 through 5

3. MPWSS 7TH EDITION (APRIL 2021) TECHNICAL SPECIFICATIONS:

***REPLACE: SECTION 02510 ASPHALT CONCRETE PAVEMENT, 2.2 I, Table 1
“Requirements for Grading of Surface Course Aggregate” with the following,***

2.2.I, Table 1 from MPWSS Edition 6 (April 2010)

Attached is 2.2.I Table 1 from MPWSS Edition 6 (April 2010)


4. CLARIFICATIONS:

- Montana Prevailing Wage Rates For **Highway** Construction Services **2023** will be the required wage rates for this project.
- 2 asphalt cores will be required of the Contractor to check asphalt depth. Location to be determined by Engineer.
- Type B plant mix aggregate for Asphalt Concrete Pavement: Use gradation requirement from MPWSS 6th Edition.
- Inlets #16, #17, and #20 to be reconnected to the existing 10” PVC as stated on sheet C3. The line work incorrectly shows the laterals being replaced all the way to the mainline manhole.

ACKNOWLEDGEMENT OF ADDENDUM NO. 1

The bidder shall acknowledge receipt of Addendum No.1 on the Bid Form and include this Addendum with the Bid. Contractor is encouraged to acknowledge the Addendum on the bid envelope also.

Issued By:
City of Great Falls
Engineering Department


Matt Proud, P.E.
Project Engineer



END OF ADDENDUM NO. 1

the BIDDER.

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

UNIT BID SCHEDULE

<u>ITEM NO.</u>	<u>DESCRIPTION</u>	<u>ESTIMATED QUANTITY</u>	<u>UNIT</u>	<u>UNIT PRICE</u>	<u>TOTAL PRICE</u>
101.	Mobilization (5% max)	1	L.S.	_____	_____
102.	Traffic Control	1	L.S.	_____	_____
103.	Site Clearing, Demolition, and Unclassified Excavation	1	L.S.	_____	_____
104.	Sub-Base Course Stabilization (12")	1,000	S.Y.	_____	_____
105.	Manhole/Valve Box Adjustment	1	L.S.	_____	_____
106.	Monument Remove and Reset	4	E.A.	_____	_____
107.	Storm Water Lateral 8" through 15" SDR 35 PVC	567	L.F.	_____	_____
108.	Connect to Existing Storm Lateral	5	E.A.	_____	_____
109.	Connect to Existing Storm Manhole	14	E.A.	_____	_____
110.	Type I Curb Inlet w/ Concrete Apron (Remove and Replace)	18	E.A.	_____	_____
111.	Type II Curb Inlet w/ Concrete Apron (Remove and Replace)	2	E.A.	_____	_____
112.	Separation Geotextile	14,000	S.Y.	_____	_____
113.	Base Course, 1 1/2" Minus, 12" Depth	10,900	S.Y.	_____	_____
114.	Base Course, 1 1/2" Minus, 18" Depth (6 th St. N.)	700	S.Y.	_____	_____
115.	4" A.C. Pavement	10,900	S.Y.	_____	_____

<u>ITEM NO.</u>	<u>DESCRIPTION</u>	<u>ESTIMATED QUANTITY</u>	<u>UNIT</u>	<u>UNIT PRICE</u>	<u>TOTAL PRICE</u>
116.	6" A.C. Pavement (6 th St. N.)	700	S.Y.	_____	_____
117.	Concrete Curb & Gutter	6,000	L.F.	_____	_____
118.	4" Concrete Sidewalk	5,000	S.F.	_____	_____
119.	6" Reinforced Concrete Driveway, Valley Gutter, Handicap Ramp	7,700	S.F.	_____	_____
120.	Truncated Domes	45	E.A.	_____	_____
121.	Sod	12,200	S.F.	_____	_____
122.	Landscape Restoration	1	L.S.	_____	_____
123.	Tree Removal	10	E.A.	_____	_____
124.	Tree Planting	20	E.A.	_____	_____
125.	Erosion Protection and Sediment Control	1	L.S.	_____	_____
126.	Irrigation Remove and Reset	1	L.S.	_____	_____
127.	Miscellaneous Work	80,000	Unit	<u>\$1.00</u>	<u>\$80,000</u>

TOTAL AMOUNT BID PRICE, ITEMS 101-127 \$ _____
(Figures)

TOTAL AMOUNT BID, ITEMS 101-127 _____
(Words)

A. Unit Prices have been computed in accordance with the Instructions to Bidders.

B. Bidder acknowledges that 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 provided, determined as provided in the Contract Documents.

C. The undersigned agrees that the unit prices shall govern in checking the Bid, and should a

MEASUREMENT AND PAYMENT

The Measurement and Payment section of this document and Special Provision SP-19, Incidental Pay Items, supersede PART 4 MEASUREMENT AND PAYMENT contained in each MPWSS specification section.

SCOPE: The following description of work, measurement of pay quantity, and method of payment shall govern payment to Contractor under this Contract. Payment for these items shall be full compensation for the completed item of work furnished and installed, and the cost of any incidental work or materials required to complete the item. No additional payment will be made for materials purchased and not installed as a result of field quantities differing from Bid Form quantities.

BID ITEM

DESCRIPTION

101. **Mobilization:** Measurement and Payment shall be made at the contract Lump Sum price for "Mobilization". Payment will be made at 50% of the contract unit Lump Sum price at the beginning the remaining 50% will be paid at the end of the project. Payment for this item shall include all costs related to general contract requirements, administration, and overhead and shall be merged and included in the contract lump sum price for "Mobilization". The cost of all bonds, insurance, permits, licenses, safety, fees, royalties and taxes; purchasing permits and licenses, temporary electric and telephone service, utility location, shop drawings and samples, general administration and overhead, movement of equipment, tools, and workmen, as necessary, and other incidental work required for occupying the site and performing the work shall be merged and included in the contract lump sum price for "Mobilization". **The contract price for "Mobilization" shall not exceed five (5) percent of the total bid and shall not include any anticipated profit.** Anticipated profit shall be distributed proportionately among the various contract bid items. Any bids that contain a lump sum price for mobilization greater than five percent of the bid shall be reduced in price to the five percent limit without adding costs to other bid items or rejected at the option of the Owner.
102. **Traffic Control:** Measurement shall be made by the Lump Sum. Payment will be made at the contract unit Lump Sum price at the end of the project. Traffic control shall be performed in accordance with the latest edition of the Manual of Uniform Traffic Control Devices (MUTCD). Item includes the following work scope: developing and implementing a City approved plan to direct traffic, and pedestrians safely through and/or around the construction site; all the labor, equipment, and materials necessary to implement the plan; Continual monitoring and maintaining of traffic control devices; installing and removing signs, flagmen, channelization devices, and illumination devices as necessary; and all other work necessary for completion of the item.
103. **Site Clearing, Demolition, and Unclassified Excavation:** Measurement shall be by the Lump Sum. Payment will be by the contract Lump Sum price and include activities associated with demolishing all identified and necessary items for construction; protecting items to remain ahead of street improvements; clearing, grubbing, removal, hauling, legally disposing, excavating to subgrade, and all other incidental items required to remove asphalt, base gravel, curb and gutter, sidewalk, concrete slabs, and any other site features necessary to complete the work that are not listed as separate items for payment.

104. **Sub-Base Course Stabilization (12")**: Measurement shall be made by the **Square Yard** in place. Payment will be made at the contract unit price per **Square Yard** and includes all costs for labor, materials, and equipment; excavation, grading, subgrade preparation including re-grading as necessary; furnishing, placing and compacting sub-base course at the areas identified by the project engineer during sub-grade preparation; cleanup; and all other incidental items required to complete the work.
105. **Manhole/Valve Box Adjustment**: Measurement shall be made by the **Lump Sum**. Payment will be made at the contract **Lump Sum** price and includes adjusting gate boxes to finished asphalt grade using screw type extensions; adjusting manhole lids to finished asphalt grade; furnishing and installing grade rings as necessary; and all other work necessary for completion of the item.
106. **Monument Remove and Reset**: Measurement shall be made per **Each**. Payment will be made at the contract unit price per **Each** and includes the following items: all costs for labor, materials and equipment for removal of existing street monument; furnishing and installing new street monument in accordance with City Standard 5-01 by a registered land surveyor; and all other work necessary for completion of the item.
107. **Storm Water Lateral 8" through 15" SDR 35 PVC**: Measurement shall be made by the **Lineal Foot** in-place along centerline of pipe. Payment will be made at the contract unit price per **Lineal Foot** which includes all costs for labor, materials, and equipment for the following: trench excavation including rock excavation, if any; dewatering; sheeting; shoring; removal and disposal of existing pipe; installing pipe; backfill; compaction; type 1 bedding; type 2 bedding necessary for stabilization; repair and cleanup; and all other incidental items necessary to complete the work.
108. **Connect to Existing Storm Lateral**: Measurement shall be made per **Each**. Payment will be made at the contract unit price per **Each** and includes all costs for labor, materials, and equipment for the following: trench excavation including rock excavation, if any; dewatering; sheeting; shoring; concrete cutting, waterproof connection to existing storm pipe; concrete collar; backfill; compaction; repair and cleanup; and all other incidental items necessary to complete the work.
109. **Connect to Existing Storm Manhole**: Measurement shall be made per **Each**. Payment will be made at the contract unit price per **Each** and includes all costs for labor, materials, and equipment for the following: connecting various size storm water lateral pipes to existing manhole; cut holes; grout abandoned hole as necessary; install pipe, water stop gasket, and grout collar around pipe; backfill; compaction; confined space entry; and all work necessary for completion of the item.
110. **Type I Curb Inlet w/ Concrete Apron (Remove and Replace)**: Measurement shall be made per **Each** structure installed. Payment will be made at the contract unit price per **Each** in place which includes the following: all costs for labor, materials, and equipment for excavation; removal and disposal of existing structure, curb and gutter, asphalt, and soil; furnishing, placing and compacting 12-inches of 1½-inch minus base course under the inlet structure; furnishing and installing new structure, pipe openings/connections, gaskets, rings, frames, covers or grates, concrete apron, grout, fillet; and all other work necessary to complete the item.

111. **Type II Curb Inlet w/ Concrete Apron (Remove and Replace):** Measurement shall be made per **Each** structure installed. Payment will be made at the contract unit price per **Each** in place which includes the following: all costs for labor, materials, and equipment for excavation; removal and disposal of existing structure, curb and gutter, asphalt, and soil; furnishing, placing and compacting 12-inches of 1½-inch minus base course under the inlet structure; furnishing and installing new structure, pipe openings/connections, gaskets, rings, frames, covers or grates, concrete apron, grout, fillet; and all other work necessary to complete the item.
112. **Separation Geotextile:** Measurement shall be made per **Square Yard** installed and will not include overlapping required by the manufacturer's specifications. Payment will be made at the contract unit price per **Square Yard** and includes the following items: grading and compacting the subgrade; furnishing and placing of the geotextile underneath all road base and extending 6" beyond the back of curb; and all other work necessary for completion of the item.
113. **Base Course, 1½" Minus, 12" Depth:** Measurement shall be made by the **Square Yard** in place. Payment will be made at the contract unit price per **Square Yard** and includes excavating and disposal; furnishing; placing and compacting 12-inch thickness of 1½-inch minus crushed gravel base course; and all other work necessary for completion of the item.
114. **Base Course, 1½" Minus, 18" Depth (6th St. N.):** Measurement shall be made by the **Square Yard** in place. Payment will be made at the contract unit price per **Square Yard** and includes excavating and disposal; furnishing; placing and compacting 18-inch thickness (minimum of two lifts) of 1½-inch minus crushed gravel base course; and all other work necessary for completion of the item.
115. **4" A/C Pavement:** Measurement shall be made by the **Square Yard** removed and replaced. Payment will be made at the contract unit price per **Square Yard** and includes the following items: removal of existing asphalt; disposal of removed asphalt material and base course material; furnishing and placing tack coat; furnishing, placing, and compacting of the 4-inches of new asphaltic concrete in two equal lifts; and all other work necessary to complete the item.
116. **6" A/C Pavement (6th St. N.):** Measurement shall be made by the **Square Yard** removed and replaced. Payment will be made at the contract unit price per **Square Yard** and includes the following items: removal of existing asphalt; disposal of removed asphalt material and base course material; furnishing and placing tack coat; furnishing, placing, and compacting of the 6-inches of new asphaltic concrete in two equal lifts; and all other work necessary to complete the item.
117. **Concrete Curb & Gutter:** Measurement shall be made by the **Lineal Foot** in-place. Payment will be made at the contract unit price per **Lineal Foot** which includes saw cutting; placing and compacting subgrade; furnishing, placing, and compacting 1 ½-inch minus crushed base course; doweling into existing concrete; furnishing, placing, finishing, and curing of the concrete curb and gutter; installing all driveway, approach, and handicap ramp curb cut outs; and all other work necessary for completion of the item.

118. **4" Concrete Sidewalk:** Measurement shall be made by the **Square Foot** in-place. Payment will be made at the contract unit price per **Square Foot** which includes saw cutting; compacting subgrade; backfill; furnishing, placing, and compacting 3-inches of 1½-inch minus crushed base course; furnishing, placing, finishing, and curing of 4-inch thick concrete sidewalk; dowels; pre-molded mastic expansion joints; contraction joints; backfilling behind sidewalk if necessary; cleanup; and all other work necessary for completion of the item.
119. **6" Reinforced Concrete Driveway, Valley Gutter, Handicap Ramp:** Measurement shall be made by the **Square Foot** in-place. Payment will be made at the contract unit price per **Square Foot** which includes saw cutting; compacting subgrade; backfill; furnishing, placing, and compacting 6-inches of 1½-inch minus crushed base course; furnishing and placing #4 reinforcement bar on one foot centers, including support chairs; doweling into existing concrete; furnishing, placing, finishing, and curing of 6-inch thick concrete; pre-molded mastic for expansion joints; contraction joints; backfilling behind sidewalk where necessary; readjusting valve lids where necessary; cleanup; and all other work necessary for completion of the item.
120. **Truncated Domes:** Measurement shall be made by the **Each** in place. Payment will be made at the contract unit price per **Each** and includes the following items: furnishing, placing, and finishing of truncated domes at the bottom of the handicap ramps; and all other work necessary for completion of the item.
121. **Sod:** Measurement shall be made by the **Square Foot** in-place. Payment will be made at the contract unit price per **Square Foot** which includes topsoil salvage and/or importing, grading to blend existing and new ground profile; furnish new sod; rolling; fertilizing and watering sod for 14 consecutive days after installation; repairing damaged irrigation systems; and all other work necessary for completion of the item.
122. **Landscape Restoration:** Measurement is made by the **Lump Sum**. Payment will be made at the contract **Lump Sum** price which includes all costs for labor, materials, and equipment for the following: excavation and soil preparation; removing and protecting items including mailboxes, landscape rock, mulches, and other ground covers; separation fabrics; and any other item present in the field associated with landscape activities; and all other incidental items necessary to complete the work.
123. **Tree Removal:** Measurement is made per **Each** tree removed. Payment will be made at the contract unit price per **Each** and includes the following items; saw cutting, removal and disposal of the tree; removal and disposal by excavation or grinding of the complete stump to a minimum of two feet below grade; grind and remove roots in an area one (1) foot past the outside diameter of the tree stump; furnishing and placing topsoil; repairing damaged irrigation systems; cleanup; and all other work necessary for the completion of the item.
124. **Tree Planting:** Measurement is made per **Each** tree planted. Payment will be made at the contract unit price per **Each** and includes the following items: excavation of plant pit equal to twice the diameter of the root ball or root spread; removal and disposal of excess excavated material; furnishing and placing planting soil additive; furnishing and placing minimum 2" caliber tree with root ball and burlap; water planting soil several time while backfilling to eliminate air pockets; supplying and placing topsoil; furnishing and placing mulch a 30" minimum diameter around tree trunk; furnishing, placing, and installing stakes and tree ties;

water thoroughly after planting, and once a week for four weeks to a depth of 24"; repairing damaged irrigation systems; cleanup; and all other work necessary for the completion of the item.

125. **Erosion Protection and Sediment Control:** Measurement shall be made by the **Lump Sum**. Payment will be made at the contract **Lump Sum** price and includes adjusting gate boxes to finished asphalt grade using screw type extensions; adjusting manhole lids to finished asphalt grade; furnishing and installing grade rings as necessary; and all other work necessary for completion of the item.
126. **Irrigation Move and Reset:** Measurement shall be made by the **Lump Sum**. Payment will be made at the contract **Lump Sum** price and includes moving, resetting, and repairing any and all irrigation sprinklers, pipe, valves, and control boxes impacted by the construction project and all other work necessary for completion of the item. Contractor is responsible for repair and replacement of any irrigation system parts damaged as a result of construction activities.
127. **Miscellaneous Work:** Measurement shall be made at **\$1.00/Unit** of miscellaneous work. Payment will be made at the contract unit price of **\$1.00/Unit** and includes furnishing of all labor, materials and equipment to complete miscellaneous work not provided by work items in the unit bid proposal. The number of units for a particular work item shall be by an agreed upon price or force account basis as deemed necessary and only as directed by the City.

END OF SECTION

- E. Aggregate used shall consist of gravel, crushed to the specified size, crushed stone, composed of hard durable pebbles or stone fragments, reclaimed asphalt pavement, and finely crushed stone filler, sand or natural clean material, or other fine mineral material. The portion of the material retained on the No. 4 sieve (4.74 mm) will be called coarse aggregate and that passing the No. 4 sieve (4.74 mm) and retained on the #200 sieve (0.075 mm) will be called fine aggregate. The material passing the #200 (0.075 mm) will be called mineral filler. The reclaimed asphalt pavement shall be removed from its original location and reduced by suitable means to such particle size as may be required for use in hot plant mix asphalt concrete.
- F. For all gradings of fine aggregate, including any blended fine aggregate and mineral filler, passing a No 40 sieve (0.425 mm), shall have a liquid limit not exceeding 25 and a plasticity index of not more than 6.
- G. Produce coarse aggregate retained on the No. 4 sieve (4.75 mm) having a minimum of 50% by weight of particles with at least one mechanically fractured face. The coarse aggregate shall not exceed 40% wear at 500 revolutions.
- H. Preliminary acceptance of aggregates proposed for use may be made at the point of production. Final acceptance will be made only after tests of the aggregates are complete and in place.
- I. Surface Course Asphalt Plant Mix Aggregate:

TABLE 1
REQUIREMENTS FOR GRADING OF SURFACE COURSE AGGREGATE

Sieve Size	Percentage by Weight Passing				Job Mix Tolerances
	Type A	Type B		Type C	
1" (25.0 mm)	100	---		---	---
¾" (19.0 mm)	91-93	100		---	+/- 7
½" (12.5 mm)	76-89	83-93		100	+/- 7
3/8" (9.5 mm)	61-79	73-87		91-93	+/- 7
No 4 (4.75 mm)	41-54	47-63		51-71	+/- 6
No 10 (2.00 mm)	31-39	32-43		34-46	+/- 6
No 40 (0.425 mm)	16-27	15-25		16-26	+/- 5
No 200 (0.075 mm)	4-7	5-7		5-9	+/- 2

1. The above gradation bands represent the job mix target limits, which determine the suitability of aggregate for use. The final job mix target