

CITY OF IRONWOOD

MICHIGAN

CONSTRUCTION SPECIFICATIONS

AND

RELATED DOCUMENTS

FOR

CITY OF IRONWOOD

CURRY NEIGHBORHOOD TRAIL CONSTRUCTION

2019

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## **BID ADVERTISEMENT**

The City of Ironwood is soliciting bids for the construction of approximately 2,100 lf of 10-foot wide asphalt trail construction and related work.

Sealed offers will be received by the Ironwood City Clerk in the Memorial Building, Ironwood, Michigan 49938, until 10:00 A.M. local time Thursday, March 7, 2019, at which time the bids shall be read aloud.

Bid Documents may be obtained from the Ironwood City Clerk, Memorial Building, Ironwood, Michigan 49938.

The City reserves the right to accept or reject any and all bids.

Karen M. Gullan  
City Clerk

Legal Ad  
Please Run:  
Feb 15<sup>th</sup> & 22<sup>nd</sup>, 2019

## SPECIAL PROVISIONS

### 1. Underground Utilities

- (a) For protection of underground utilities and in conformance with Public Act 53, 1974, the Contractor shall call 1-800-482-7171 a minimum of three full working days, excluding Saturdays, Sundays and Holidays prior to beginning each excavation in areas where public utilities have not been previously located. Members will thus be routinely notified. This does not relieve the Contractor of the responsibility of notifying utility owners who may not be part of the “Miss Dig” alert system.

### 3. Construction Coordination / Permits

- (a) Construction will need to be coordinated with the City of Ironwood Engineering Department.
- (b) The contractor will be responsible for obtaining the necessary permits from the State of Michigan and/or any other necessary agency. Contractor shall include all permit costs with their bid.

### 4. Requirements for Performance Security and Payment Security

- (a) The successful bidder, at the execution of the contract, shall furnish security to guarantee faithful performance of the contract in the amount of 100% of the total contract price.
- (b) The successful bidder shall also furnish security to guarantee payment to all persons supplying labor or materials in the performance of the contract in the amount of 100% of the total contract price.
- (c) Security may be in the form of a performance bond and payment bonds, postal money order, certified check or cashier’s check.
- (d) Upon completion of project the contractor shall provide lien wavers from all contractors and suppliers.
- (e) A 5% Bid Bond shall be provided with the submittal of the bid.

5. Commencement, Execution and Completion of Work

- (a) The contractor shall be required to commence work under this Contract within 5 calendar days after the date the Contractor receives the Notice to Proceed.
- (b) Execute the work diligently.
- (c) Working hours are between 7:00 A.M. and 9:00 P.M.
- (d) A construction Schedule shall be provided and approved by a City Representative.
- (e) No work shall be done on Saturday's or Sunday's unless approved in advance by a City Representative.

6. Failure to Complete Work Within Contract Time

Construction shall be fully completed by June 21, 2019. If the Contractor fails to prosecute the work, or any separate part thereof with such diligence as will insure its completion within the time specified in this contract, fixed and agreed Liquidate Damages will be assessed for each calendar day of delay until the work is completed and accepted. Liquidate Damages equal \$250 / Calendar Day.

7. Warranty / Defects

The Contractor shall be responsible for any and all defects that may develop in any part of the entire work or installation furnished by him/her. Upon written notice of the City of Ironwood, the contractor shall immediately replace and make good, without expense to the owner, any faulty part, material, or workmanship. A one-year warranty shall be provided by the contractor. The warranty shall start from the date the final payment is made.

**SECTION A - BID SOLICITATION**

Issued By: City of Ironwood

Type of Solicitation: Sealed Bid

Project Name: Curry Neighborhood Trail Project

Project Description: Construct approximately 2,100 lf of asphalt trail, signs and restoration. The bidding contractors are encouraged to field review the proposed trail route prior to bidding.

Project Location: See attached map for project locations.

Site Inspection: The contractor is encouraged to inspect the project location prior to bidding.

Delivery of Proposal: The proposal shall be submitted in a sealed envelope, plainly marked with the name of the Project and the name and address of the Bidder on the outside of the envelope. All offers must be received by the City Clerk prior to the time and at the place specified in the advertisement.

Award: One Contract will be awarded, to the lowest responsive and responsible bidder. The City reserves the right to reject bids at its sole discretion.

**SECTION B - OFFER AND SCHEDULE OF ITEMS**

<u>Item No.</u>	<u>Item Description</u>	<u>Pay Unit</u>	<u>Estimated Quantity</u>	<u>Unit Price</u>	<u>Amount Bid</u>
1000	Mobilization	LS	1	\$_____	\$_____
2000	Construct 10 ft. Wide Asphalt Trail (Cross Section A)	LF	2,100	\$_____	\$_____
4000	Install six (6) inch thick concrete approach/pad for ADA	Sq. Ft.	200	\$_____	\$_____
4060	Install ADA detectable warning devices	Sq. Ft.	80	\$_____	\$_____
5000	Clear & Grub 15 ft. width	LF	2,100	\$_____	\$_____
7010	Install trail warning signs with posts (Stop, No Motor Vehicle, etc.)	EA	4	\$_____	\$_____
7020	Install Trail Crossing Signs at Street crossing locations	EA	4	\$_____	\$_____
8000	Install 12" corrugated plastic/ smooth wall interior storm sewer pipe	LF	40	\$_____	\$_____
8020	Install high velocity erosion control fabric SYD 50			\$_____	\$_____
TOTAL BID, ALL ITEMS				\$_____	

Telephone No. \_\_\_\_\_

**SECTION C – BIDDING REQUIREMENTS, CONDITIONS  
AND CONTRACT ADMINISTRATION**

**C-1. Competency of Bidders**

- (a) The City Manager reserves the right to select bidders and may refuse to issue a proposal to any individual, partnership, firm or corporation based upon but not limited to one or more of the following facts:
  - (1) For having defaulted on previous contracts.
  - (2) For having preformed similar work in an unsatisfactory manner.
  - (3) When in the City Manager’s judgment the bidder does not have the required experience in the class of work bid on, fails to have the proper labor and equipment, or fails to have sufficient capital or quick asset to finance the work.

**C-2. Interpretation of estimates, Specifications, Special Provisions and Site of Work**

- (4) The quantities on the proposal are approximate only and given as a basis to compare bids. The City does not assume any responsibility that these quantities will remain unchanged in actual construction. The bidder is required to examine carefully the site of work, plans, specifications, and contract form for the proposed work. It will be assumed that he has judged for and satisfied himself as to the conditions to be encountered, as in the work, materials furnished, and in the above documents. The bidder is assumed to have familiarized himself with the Federal, State, and local laws which may affect the work, workers. Or materials furnished.

**C-3. Delivery of Proposal**

- (a) Each proposal must be submitted in a sealed envelope with the bidders name and address on the outside of the envelope. All proposals must be received on or before the hour stated in the advertisement. More than one proposal for the same project from an individual, partnership, firm, or corporation will not be considered. Faxed Bids are accepted.



C-4. Public Opening of Proposals

- (a) Proposals will be opened publicly and read aloud at the hour, date, and place set in the advertisement.

C-5. Execution of Contract

- (a) Contractor shall start work within five (5) days after receiving Notice of Award and Notice to Proceed. Notice to Proceed will be in the form of a City of Ironwood Purchase Order.
- (b) Project shall be completed by June 21, 2019.

C-6. Contract Administration

- (a) Project Engineer: Scott Erickson, P.E., City Engineer  
(906) 932-5050 ext. 116

C-7. Retainage

- (a) A five (5) percent retainage shall be withheld on all contract payments. The five percent retainage shall be paid upon final acceptance by the City of Ironwood of all work performed under this contract.

SECTION D – INSURANCE

D-1 Insurance

- (5) Workmen’s Compensation Insurance – The Contractor, prior to the execution of the Contract, shall file a certification that the Contractor carries Worker’s Compensation Insurance.
  
- (6) Bodily Injury and Property Damage Insurance – The Contractor prior to execution of the Contract shall file with the City of Ironwood copies of completed certificates of insurance, as evidence that the Contractor carries adequate insurance to afford protection against all claims for damages to public or private property and injuries to person, arising out of and during the progress of work. The minimum limits of insurance shall be as follows:
  - (7) General Liability  
Bodily Injury and Property Damage Liability:  
Each Occurrence.....\$1,000,000  
Aggregate.....\$2,000,000
  
- (2) Automobile Liability Insurance (Comprehensive Form)  
Bodily Injury Liability:  
Each Person..... \$ 500,000  
Each Occurrence.....\$1,000,000  
  
Property Damage Liability:  
Each Occurrence.....\$1,000,000  
  
Combined Single Limit for Bodily Injury and Property Damage Liability:  
Each Occurrence.....\$2,000,000
  
- (8) The requirements for 1 and 2 above, may be met through an Umbrella policy.
  
- (9) Owners Protective Liability. Bodily injury and property damage protection, including general supervision of work performed, shall be extended to the City of Ironwood employees and agents. The minimum limit shall be \$1,000,000.

## SECTION E – CONSTRUCTION SPECIFICATIONS

<u>ITEM</u>	<u>DESCRIPTION</u>	<u>PAGE</u>
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2000	Construct 10 ft. Wide Asphalt Trail (Cross Section A)	14
4000	Install six (6) inch thick concrete Approach/pad with mesh	15
4060	Install ADA detectable warning devices	16
5000	Clear & Grub 15 ft. width (Cross Section A)	17
7010	Install trail warning signs with posts (Stop, No Motor Vehicle, etc.)	18
7020	Install Trail Crossing Signs at Street crossing locations	19
8020	Install high velocity erosion control fabric	20

\*Note: All Street related work shall be done in accordance with Michigan Department of Transportation 2003 Standard Specifications for Construction and City of Ironwood Specifications for Construction and City of Ironwood Special Project Provisions.

## **ITEM 1000 – MOBILIZATION**

### Description

- 1.1 Mobilization will be paid 50% at the start of the project and proportionately thereafter.  
Mobilization shall not exceed \$2,000.

## **ITEM 2000 – CONSTRUCT 10 FT. WIDE ASPHALT Trail (Cross Section A)**

### Description

- 1.1 This work shall consist of the construction of an asphalt trail. The work will be completed as identified on Cross Section A. The trail travels through existing open area in the little league field area then follows an existing abandoned railroad grade from the little league field to Frenchtown Road. Any appurtenances necessary for a complete installation shall be include with this bid item.

### Material

- 2.1 Materials shall include 2 ½” bituminous asphalt pavement, 6” – 22A gravel base, fill Material (if any additional fill material is needed it will be provided by the City at no additional cost. It is anticipated that the on-site executed material will be adequate for any fill that may be needed), topsoil, seed and mulch for a complete installation.

### Construction

- 3.1 The bituminous pavement shall be Hotmix Asphalt SEI Super Pave w/5828 Oil and shall be 2 ½ inches thick.
- 3.2 The 22A gravel base shall be installed and compacted to not less than 95% of Maximum density.
- 3.3 The Contractor shall excavate and grade to match adjacent contours as much as possible. The work under this item shall include all necessary excavation, backfill, grading and restoration.
- 3.4 Any washouts or eroded areas along the grade shall be filled in and compacted under this bid item. Clean graded material from the trail excavation may be used for backfill.
- 3.5 Under this bid item all areas shall be properly seeded and mulched (disc Anchored). This bid item shall include all restoration associated with the construction of the trail.

### Measurement and Payment

- 4.1 Construct 10 ft. asphalt trail shall be paid per center line lineal foot of trail constructed. This bid item shall include all items necessary for complete construction and restoration.

**ITEM 4000 – INSTALL SIX (6) INCH THICK  
CONCRETE APPROACH / PAD WITH WELDED WIRE MESH**

Description

- 1.1 This work will include the excavation, saw cutting, removal and disposal of all materials (including concrete, asphalt, soil, etc.) necessary to prepare the location for the new concrete Approach Pad. This item also includes placing and finishing the concrete.

Materials

- 2.1 4000 psi concrete
- 2.2 Wire Mesh
- 2.3 22A aggregate base
- 2.4 Clean Sand

Construction

- 3.1 Remove existing concrete, asphalt and / or soil to prepare site for new concrete installation, aggregate base, and sand base.
- 3.2 Saw cutting is incidental to this bid item.
- 3.3 Construct new 6 inch thick concrete pad on 4 inches of 22A gravel (Compacted to 95% of modified proctor). Work shall include all necessary excavation and site preparation.
- 3.4 Quality assurance and compaction testing will be performed. Initial costs of testing shall be paid by the City of Ironwood. Any failed test shall require repeat testing. Any repeat testing shall be paid by the contractor.
- 3.5 All concrete surfaces shall be properly cured with a spray membrane once the concrete surface is established.

Measurement and Payment

- 4.1 Payment for this item includes all work required to remove and dispose of the existing excavated materials, provide and install clean sand base as needed, provide and install 22A gravel, furnish and place the new concrete, and curing the concrete.
- 4.2 Removal and disposal of existing excavated material (concrete, asphalt, soil, etc.) is include with this bid item.

## **ITEM 4060 – INSTALL ADA DETECTABLE WARNING DEVICE**

### Description

- 1.1 Install ADA detectable warning devices at all road crossings and locations defined by the City's Representative.

### Materials

- 2.1 ADA detectable warning devices.

### Construction

- 3.1 Install ADA detectable warning devices per the manufactures recommendations.
- 3.2 Tiles shall be permanently secured into the new concrete apron. Surface mat tiles will not be allowed. A variety of colors shall be provided for the owner's selection.

### Measurement and Payment

- 4.1 This item will be paid by the square foot installed.

## **ITEM 5000 – CLEAR & GRUB 15 FT. WIDE (CROSS SECTION A) LOCATIONS**

### Description

- 1.1 This work shall consist of clearing and grubbing a 15 foot width (7 ½ ft. each side of center line) along the path in the areas the path is constructed. This work includes tree and stump removal as well as brush removal, etc. as necessary. This work also includes vertical clearing to a height of 20 ft. within this zone. There is approximately 700 ft of trail located in existing cleared areas and approximately 1400 ft of trail that follow an existing abandoned railroad grade.

### Materials

- 2.1 Any and all materials necessary to clear and grub all trees, stumps, brush etc. for a 15 ft. width (7 ½ ft. each side of center line) along the (Detail A) trail constructed. Specific specimen trees may be saved at the discretion of the City Representative.

### Construction

- 3.1 Remove and dispose of all trees, stumps and brush where the trail is constructed.
- 3.2 A 20 ft. vertical clearing height shall also occur within this 15 ft. width also. The 20 ft. vertical height shall be measured from the surface of the asphalt trail and shall include any overhanging branches or limbs.

### Measurement and Payment

- 4.1 Clearing and Grubbing will be paid on or per center line, lineal foot of trail constructed.



## **ITEM 7010 – INSTALL TRAIL WARNING SIGN WITH POSTS**

### Description

- 1.1 This work consists of providing and installing warning and regulatory signs along the trail route. The work will include providing and installing the sign(s) and sign post. The signs to be included at each location with this bid item are; stop sign and no motor vehicle signs on either side of the post at each location.

### Materials

- 2.1 Sign materials shall be made of an aluminum with retro reflective surface. Sign shall include all fasteners. All fasteners shall be galvanized or approved equal. Trail signs shall be 18" x 18".
- 2.2 Sign posts shall be external, treated 4 x 4 wood posts with beveled ornamental tops.

### Construction

- 3.1 All work and materials necessary to provide, install and fasten sign to post.
- 3.2 Provide and install post to have a minimum bury depth of 4 ft.

### Measurement and Payment

- 4.1 This item shall be paid per sign and post installed.

## **ITEM 7020 – INSTALL TRAIL CROSSING SIGNS AT STREET CROSSINGS**

### Description

- 1.1 Install Trail crossing signs with posts along with separate arrow signs at each road crossing location.

### Material

- 2.1 Provide and install 30 in. x 30 in. Trail Crossing Sign (and advanced warning signs) at each road crossing location. Sign shall be diamond grade fluorescent yellow green. A separate arrow sign (same color and material) shall be installed below the Trail Crossing Sign. All sign material shall be heavy duty aluminum.
- 2.2 Sign post shall be a u-channel baked enamel (green) post.

### Construction

- 3.1 Contractor shall provide and install (complete) trail crossing signs (and advanced warning signs) at all road crossings.

## **ITEM 8020 – INSTALL HIGH VELOCITY EROSION CONTROL FABRIC**

### Description

- 1.1 This work consist of the complete installation of high velocity erosion control fabric in areas directed by the City's Representative

### Materials

- 2.1 High Velocity erosion control fabric (Curlex High Velocity) or approved equal.

### Construction

- 3.1 The high velocity erosion control fabric shall be installed per manufacturer specifications. Fabric shall be pinned and secured as required.

### Measurement and Payment

- 4.1 The high velocity erosion control fabric shall be paid on a square yard installed basis.

## UTILITIES

The existing utilities listed below represent the best information available. This information does not relieve the contractor of the responsibility to be satisfied as to its accuracy and the location of existing utilities.

<u>NAME AND ADDRESS OF OWNER</u>	<u>UTILITY DESCRIPTION</u>
Ameritech 3255 US-41 West Marquette, MI 49855 Ms. Marsha Bertoldi (906) 779-2744	Telephone
Charter Communications 115 E. McLeod Ave. Ironwood, MI 49938 Greg Johnson (906) 932-1831	Cable TV
X-Cel Energy 101 Alfred Wright Blvd. Ironwood, MI 49938 Stacy Westeen (800) 895-4999	Electric & Gas
City of Ironwood 213 South Marquette Street Ironwood, MI 49938 Bob Tervonen (906) 932-5050	Water & Sewer

Owners of public utilities will not be required by the department to move additional poles and structures that are not within grading or structure limits in order to facilitate the operation of construction equipment, unless it is determined by the engineer that such pole line or structures constitute a hazard to the public or are extraordinarily dangerous to the contractor's operations.