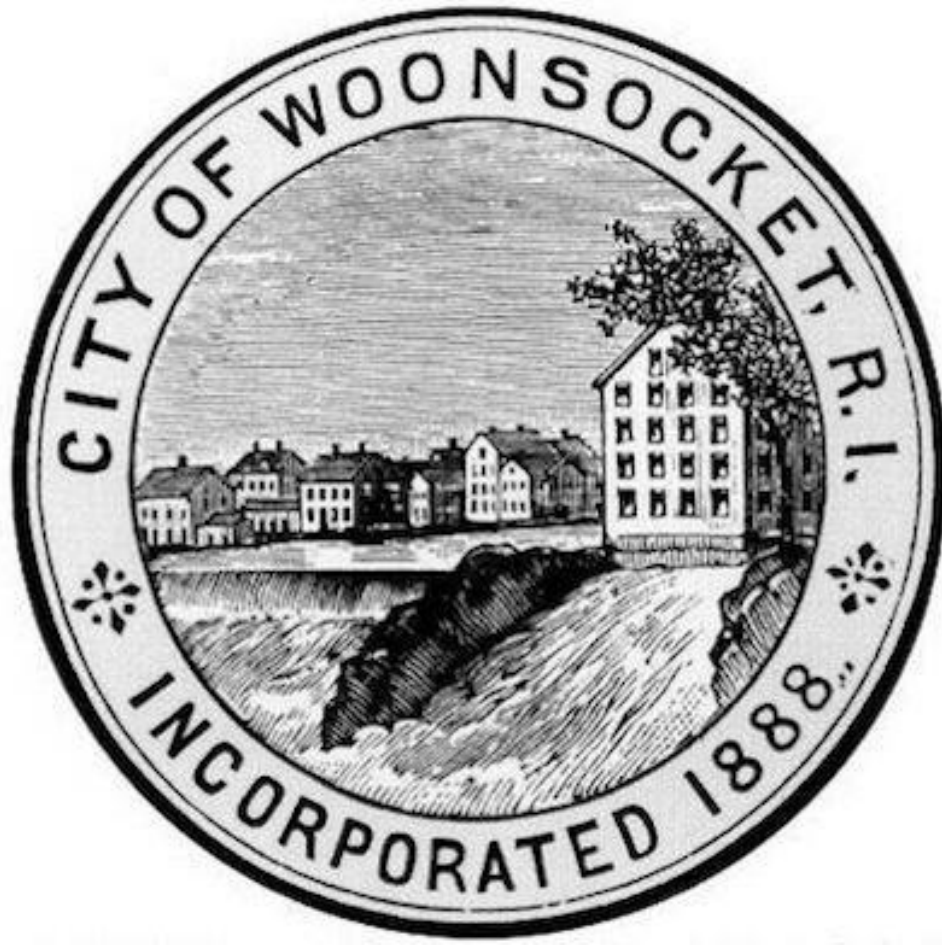


# City of Woonsocket



## THE MATERIAL, FABRICATION & INSTALLATION OF CHAIN LINK FENCES, GATES AND/OR GUARDRAILS

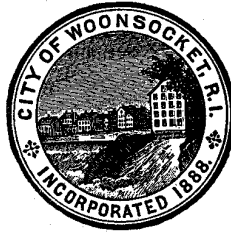
BID No. 6197

Bid Specifications

*Prepared By: City of Woonsocket*

*Department of Public Works*

*January 2024*



**CITY OF WOONSOCKET, RHODE ISLAND**

**INVITATION TO BID FOR:**

**"THE MATERIAL, FABRICATION & INSTALLATION OF  
CHAIN LINK FENCES, GATES AND/OR GUARDRAILS"**

**BID No. 6197**

**For Department of Public Works**

City of Woonsocket is accepting bid proposals for the above-referenced project.

**Bid Opening:** Bids must be received by Woonsocket City Hall, Office of Purchasing, 169 Main Street, Woonsocket, RI 02895 prior to the bid opening date and time. On time bids will be publicly opened and read aloud in Harris Hall, located on the 3<sup>rd</sup> floor of Woonsocket City Hall, promptly starting at **2:00 p.m. on Tuesday, January 30, 2024**. Bids received after this deadline will not be accepted and will be returned unopened to the sender.

**Bid Submissions:** All bids must be submitted in duplicate, placed in a sealed envelope and identified with the following information: **"The material, fabrication & installation of chain link fences, gates and/or guardrails, Bid No. 6197."** Bids must be prepared using the provided bid forms. All forms must be typed or printed and then signed and dated in ink.

**Project Components:** furnish all labor, equipment and related incidentals, other related work and overhead items for the "Material, Fabrication and Installation of Chain Link Fence and/or Gates and/or Guardrails" for the City of Woonsocket, Rhode Island

**Project Timeline:** The contract term will be for a one (1) year period.

**Questions:** Questions regarding this solicitation should be submitted via email to Ken Allaire, Purchasing Agent, at [ken.allaire@woonsocketri.org](mailto:ken.allaire@woonsocketri.org). The deadline to submit questions is **Tuesday, January 23, 2024 prior to 5:30 p.m.** Answers will be published online by the City in the form of an Addendum. Any questions submitted after the deadline may not be considered. Do not contact any other City employee or official regarding this solicitation

**Nonresident Contractors:** In accordance with Rhode Island General Law 44-1-6, nonresident contractors are subject to a 3% withholding of the contract price to secure payment of any sales tax, use tax, and/or income tax withheld that may be due the State of Rhode Island. WBE, MBE and Section 3 contractors are encouraged to bid.

**Bid:** In conformance with the terms and conditions of these specifications including the Invitation to Bid and other documentary forms therewith, the Bidder hereby proposes, offers and agrees if this bid be accepted within sixty (60) calendar days from the date of bid opening to do all things necessary to fully perform and satisfy all terms, conditions and requirements of the subject specifications.

**Withdrawal of Bids:** No bidder may withdraw their bid within sixty (60) calendar days after the actual time and date of the bid opening thereof.

**Rejection of Bids:** The City reserves the right to cancel this ITB, award on the basis of cost alone, accept or reject any or all bids, in whole or in part. The City further reserves the right to waive as an informality any irregularities contained in any bid not affecting substantial rights that may be in the City's best interest. Proposals found to be technically or substantially nonresponsive at any point in the review process will be rejected and not considered further. Any such decision will be considered final.

**Bid Award:** Upon selection of a winning contractor, the City of Woonsocket will send a bid award notice to the awardee. The bid award notice will identify a point of contact from the City who will assist the awardee in completing any pre-work requirements. Upon satisfactory meeting all of the obligations of the pre-work requirements, the City of Woonsocket will issue a "Notice to Proceed" for work to commence.

Individuals requesting interpreter services for the hearing impaired should call the Finance Director at 401-762-6400 seventy-two (72) hours in advance of the bid opening deadline.

Thank you for your consideration of this invitation to bid and your participation in this bid process.

Published: January 5, 2024

**X** \_\_\_\_\_  
**Christine Chamberland,**  
**Finance Director**

**CITY OF WOONSOCKET  
DEPARTMENT OF PUBLIC WORKS  
CHAIN LINK FENCING**

**PART 1 - GENERAL**

**1.01 DESCRIPTION OF WORK**

- A. Provide all materials, equipment and labor necessary to complete the work as indicated on the drawings or as specified herein.
- B. The principle work of this section includes, but may not be limited to the following:
  - 1. Installation of fences, gates, guardrails, framework, fabric, and accessories.
  - 2. Excavation for post bases.
  - 3. Remove and dispose of existing materials as directed.

**1.02 REFERENCES**

- A. ASTM Standards:
  - 1. A120 - Pipe, Steel, Black and Hot-dipped Zinc Coated (Galvanized) Welded and Seamless, for Ordinary Uses.
  - 2. A123 - Zinc (Hot Galvanized) Coatings or Products Fabricated from Rolled, Pressed and Forged Steel Shapes, Plates, Bars and Strips.
  - 3. F567 - Installation of Chain-Link Fence.
- B. Federal Standard (FS) RR-F-191 - Fencing, Wire and Post, Metal.
- C. Rhode Island Department of Transportation (RIDOT) standards 31 and 34 series.

**1.03 QUALITY ASSURANCE:**

- A. Installation: ASTM F567-87.

**1.04 LOCATION OF UNDERGROUND STRUCTURE:**

Where existing sewers, water pipes, storm drainage, gas mains, electric mains and other conduits meet within the streets the contractor must obtain a 'Dig Safe' number from Dig Safe System, Inc. at 1-888-344-7233. The locations of these structures are intended to be approximate only. The City will not be responsible for any omission, nor for any errors in locations due to incomplete or faulty records.

**1.05 SUB-CONTRACTORS:**

No portion of the work shall be sub-let to any sub-contractor without first giving the Engineering Division due notice in writing of such intention. No sub-contractor shall be employed who is unsatisfactory to the City Engineer.

**1.06 SAFETY:**

All Federal, State and Local safety regulations shall be followed.

Contractor must follow the City of Woonsocket regulations and policies as set forth in the Department of Public Works, Engineering Division 'Permit Manual'. A copy of which can be obtained in the Engineering Division or on the City's web site at:

**[www.ci.woonsocket.ri.us/perm\\_sched.htm](http://www.ci.woonsocket.ri.us/perm_sched.htm)**

The contractor shall assume responsibility for risks and casualties of every description, for loss or injury to persons and property arising out of the nature of the work, from the action of the elements or from any unforeseen or unusual difficulty.

#### **1.07 WORK TO BE LEFT CLEAN:**

Before the work will be considered as having been complete, the sewers, surface water drains, streets, roads, sidewalks, buildings, and all place affected by the work, are to be thoroughly cleared and left clean, free and in good order and fit for travel and other proper use.

#### **1.08 WARRANTY:**

The contractor or his sureties will be held liable for keeping in perfect repair, adjustment and good order, the whole of the work to be constructed under this contract, and for all breakage or other damage that may occur by reason of the construction of the work for one (1) year after the date of final payment.

Should it be necessary to repair or replace any fence or guardrail before formal acceptance for any reason, the City will not accept any charges from the bidder deemed part of the original scope of work.

#### **1.09 INSURANCE REQUIREMENTS:**

The successful bidder shall furnish to the City, prior to issuance of the contract certificates of minimum insurance as listed below. These certificates shall contain a provision that the insurance company will notify the certificate holder, by registered mail, at least 15 days in advance of any cancellation or material change.

<b><u>Workman's Compensation</u></b>	<b><u>Statutory</u></b>	
Employers Liability	\$ 100,000	Each Accident
Automobile Liability	\$1,000,000	Combined Single Limit
Commercial General Liability	\$2,000,000	General Aggregate
	\$2,000,000	Products & Completed Operations Aggregate
	\$1,000,000	Personal & Advertising Injury
	\$1,000,000	Each Occurrence
	\$ 100,000	Fire Damage (Any one fire)
	\$ 5,000	Medical Expenses (Any one person)

#### **1.10 LICENSE/CERTIFICATE/PERMIT REQUIREMENTS:**

- Contractor shall provide a 'Competent Person', as defined by the US Department of Labor Occupational Safety & Health Administration (OSHA), for the location of the proposed work. The contractor shall employ only competent and efficient laborers, operators and tradesmen for every kind of work, and whenever, in the opinion of the City Engineer, any person is unfit to perform their task, or does their work contrary to directions, or conducts themselves improperly, the contractor must discharge that person immediately and not employ that person again on the work.

-All equipment operators and workers performing work at the proposed location shall hold, in good standing, the appropriate State of Rhode Island licenses for their responsibilities.

-OSHA certified ten (10) hour construction safety program is required for all on-site employees.

-Contractor shall make application for a permit in the Engineering Division for the work to be performed City wide.

-All required licenses and certificates for all workers shall be copied in color and supplied to the Engineering Division upon submitting a 'Permit Application'. All required licenses and certificates for work being performed shall be in the possession of the person(s) while performing the work.

## **PART 2 - PRODUCTS**

### **2.01 CHAIN LINK FENCE AND/OR GATES MATERIALS:**

A. New Posts and Framework:

ASTM MA120; galvanized, Schedule 40 steel pipe, standard weight, one piece without joints. Unpainted.

B. Fabric:

2-inch diamond mesh galvanized steel wire, top and bottom edge knuckle selvage and closed, 9 gauge except as otherwise specified on drawings.

C. Polyvinyl chloride coating (PVC)-

All fence material and accessories, unless specifically stated otherwise, shall be bonded polyvinyl chloride coated (PVC).

PVC shall be free of voids, shall be dense and impervious, shall be of plasticized or epoxy modified, high specific gravity polyvinyl chloride with high resistance to tear and suitable hardness. The PVC coating shall not support combustion and shall withstand an accelerated aging and weathering test a minimum of 2,000 hours at 145 degrees F with ultraviolet and salt spray without cracking or peeling the PVC coating and without corrosion of the base metal. The PVC coating shall not separate from the metal or shrink. Color used in PVC shall be stabilized so that it will not fade under long exposure to sunlight. Unless otherwise specified the color shall be black. Any other color required shall be approved by the City of Woonsocket Engineering Division as selected from the manufacture's standard colors.

### **2.02 CHAIN LINK FENCE AND/OR GATES HARDWARE AND ACCESSORIES:**

A. Posts and Rails:

As scheduled on drawings.

B. Caps, to be included in the bid prices:

Cast steel galvanized; sized to post dimension, set screw retained.

C. Fittings, to be included in the bid prices:

Sleeves, bands, clips rail ends, fasteners and fittings: All to be galvanized steel.

D. Hinges, to be included in the bid prices:

Size and material to suit gate size, non-lift-off type, offset to permit 180 degree gate opening. Provide one (1) pair of hinges for each leaf and 1-1/2 pair for each leaf and truss rod supports for extra large gates (see drawings).

## **2.03 GUARDRAIL**

### **GUARDRAIL POST/RAILINGS**

Post/Railing shall be wood, steel as may be specified or shown.

#### **Wood Posts/Railing**

Wood posts/railings shall be fabricated from an approved or specified timber species and shall be of quality, diameter or section, and length as specified or as shown on the plans, see Rhode Island Standard 34.1.0. When treated posts are specified, they shall be fabricated before treatment.

#### **Steel Posts/Railings**

Steel posts/railings shall be of the section and length specified or as shown on the plans, see Rhode Island Standard 34.2.0. They shall be of copper bearing steel when so specified. Steel shall conform to the requirements of AASHTO M183 for the grade specified. The post shall be galvanized to conform with AASHTO M111.

### **GUARDRAIL HARDWARE, to be included in the bid price:**

Offset brackets of the resilient and non-resilient type shall be of the type specified or as shown on the plans and shall meet the strength requirements specified.

Splices and end connections shall be of the type and design specified or shown on the plans, and shall be of such strength as to develop the full design strength of the rail elements.

End spring assemblies, when specified, shall be positive and of a type and design coinciding with the intent, design and strength of the railing structure, and shall be as specified or as shown on the plans.

End anchor rods and accessories shall be as specified or as shown on the plans and shall be galvanized in accordance with the requirements of AASHTO M111. All galvanizing shall be done after fabrication.

Unless otherwise specified, all fittings, bolts, washers and other accessories shall be galvanized in accordance with the requirements of AASHTO M111. All galvanizing shall be after fabrication.

Steel Beam Guardrail Reflective Triangular Delineators shall be installed.

The washers of the delineator shall conform to the requirements of ASTM B209 Alloy 5052-H-32.

## **2.04 CONCRETE MIX:**

### **A. General:**

Unless otherwise specified, all methods and materials shall conform to the relevant provisions of the PORTLAND CEMENT CONCRETE MATERIALS, of the Rhode Island Standard Specifications.

### **B. Concrete, to be included in the bid price:**

Cement concrete to be used shall be Class "B", unless otherwise specified, according to the classification defined in the RIDOT Standard Specifications and shall meet the following requirements.

<u>CLASS</u>	<u>MINIMUM CEMENT CONTENT</u>	<u>MINIMUM COMPRESSIVE STRENGTH</u>	<u>COARSE AGGREGATE</u>	<u>MAX SIZE AGGREGATE</u>	<u>% OF AIR ENTRAINMENT</u>
B	517 lbs. per cubic yard	3,000 lbs. Per square inch	No Designation 2	3/4	5.0

**PART 3 - EXECUTION****3.01 FENCE AND/OR GUARDRAIL INSTALLATION:**

- A. Install new or salvage fabric, as indicated on drawings, accessories in accordance with ASTM F567.
- B. Provide dimensions as indicated and space line posts or guardrail posts at intervals indicated.
- C. Excavation: Excavate holes for concrete with vertical sides in cylindrical form.
- D. Setting Posts:
  1. Remove loose and foreign materials from sides and bottom of holes and moisten soil prior to placing concrete.
    - a) Holes for line post to be a minimum of 1' in diameter and 2' 6" deep.
    - b) Holes for gate post to be a minimum of 1' in diameter and 3' deep.
    - c) Guardrail post shall be set in concrete in ledge locations only, see Rhode Island Standard 34.1.2 otherwise drive post into gravel.
  2. Center and align posts.
  3. Place concrete around posts in a continuous pour and vibrate or tamp for consolidation.
  4. Check each post for vertical and top alignment and hold in position during placement.
  5. Trowel tops of footings, and slope or dome to direct water away from posts. Typical pitch for the top of the concrete to be 1:25.
  6. Keep exposed concrete surfaces moist for at least seven (7) days after placement.
- E. Concrete Strength:
  1. Allow concrete to attain at least 75 percent of its minimum 28-day strength before rails, tension wire, and fabric are installed.
  2. Do not, in any case, install such items in less than seven (7) days after placement of concrete.
  3. Do not stretch and tension fabric and wire until concrete has attained its full design strength.
- F. Provide top rail through line post tops and splice with 7-inch long rail sleeves.
- G. Provide brace made of 1 5/8" pipe as needed.



- H. Stretch fabric between terminal posts.
- I. Perimeter Fencing and Gates: Install fabric 1-inch above finished grade.
- J. Fasten fabric to top rail, line posts, and bottom tension wire or bottom rail with ties maximum 15-inches on centers.
- K. Install bottom tension wire stretched taut between.

### **3.02 GATE INSTALLATION:**

- A. Install gates plumb, level, and secure for full opening without interference. Install ground-set items in concrete for anchorage, as recommended by fence manufacturer.  
Adjust hardware for smooth operation and lubricate where necessary.

### **PART 4 - METHOD OF PAYMENT:**

Payment shall be made within 60 working days after receipt of an invoice. No payment shall be made for items not ordered or for cancelled items, nor for necessary incidental items considered by the City of Woonsocket to be included in the unit price bid.

**CITY OF WOONSOCKET  
RHODE ISLAND  
FINANCE DEPARTMENT**

**BID PROPOSAL**

The undersigned bidder proposes to furnish all labor, equipment and related incidentals, other related work and overhead items for the "Material, Fabrication and Installation of Chain Link Fence and/or Gates and/or Guardrails" for the City of Woonsocket, Rhode Island, until one year from date of award; or the awarding of a new contract, all in strict accordance with the specifications for the unit prices set forth in the Bid Proposal.

**CERTIFICATION SUMMARY:**

The bidder declares that this proposal is made without connection with any other person(s) making proposals for the same specifications and is in all respects fair and without collusion or fraud.

The bidder further declares that, except in the normal discharge of his/her duties, no person acting for or employed by the City of Woonsocket has direct or indirect interest in the proposal or in any of the profits thereof.

The bidder certifies that the above statements are accurate and true and has carefully examined and read all of the specifications and the contract provisions and understands that it affects the acceptability of my proposal(s).

**AUTHORITY TO CONTRACT:**

Offeror and the Principal signing on its behalf, certify that it is validly organized with authority to do business and perform the terms hereunder, is qualified to do business in Rhode Island, if applicable, and is not prohibited from entering into or performing the terms of this agreement for any reason.

**CONFLICT OF INTEREST:**

Any Offeror responding to this Invitation to Bid are required to disclose any potential conflict of interest. If the owner of the bidding firm is related to a City of Woonsocket employee, that relationship must be disclosed in writing and made a part of the bid response. Definition Related Person: Related person to a City of Woonsocket employee means a spouse or dependent child of such employee. The term extends to other individuals sharing the same household as well as siblings, parents and non-dependent children (including step and in-law variations of those relationships) in circumstances where the City of Woonsocket employee has actual knowledge that such relative is likely to or will benefit from a particular City of Woonsocket transaction.

CITY OF WOONSOCKET  
RHODE ISLAND  
FINANCE DEPARTMENT

BID PROPOSAL

Chain Link Fencing				
ITEM	DESCRIPTION	U/M	PVC COATED	GALVANIZED
1a	All necessary material & labor to install (5') chain link fence.	Per LF		
1b	All necessary material & labor to install a line post for a (5') chain link fence.	Per Line Post		
1c	All necessary material & labor to install a corner post for a (5') chain link fence.	Per Corner Post		
1d	All necessary material & labor to install a brace for a (5') chain link fence.	Per Brace		
2a	All necessary material & labor to install (6') chain link fence.	Per LF		
2b	All necessary material & labor to install a line post for a (6') chain link fence.	Per Line Post		
2c	All necessary material & labor to install a corner post for a (6') chain link fence.	Per Corner Post		
2d	All necessary material & labor to install a brace for a (6') chain link fence.	Per Brace		
3a	All necessary material & labor to install (7') chain link fence.	Per LF		
3b	All necessary material & labor to install a line post for a (7') chain link fence.	Per Line Post		
3c	All necessary material & labor to install a corner post for a (7') chain link fence.	Per Corner Post		

### Chain Link Fencing (cont'd)

ITEM	DESCRIPTION	U/M		PVC COATED	GALVANIZED
3d	All necessary material & labor to install a brace for a (7') chain link fence.	Per Brace			
4	All necessary material and labor to install a gate opening up to (12') wide.	Per LF			
5	All necessary material and labor to install a gate opening (12' 1") to a maximum of (16').	Per LF			

### GUARDRAIL - STEEL

ITEM	DESCRIPTION	U/M		PROPOSAL
6	All necessary material and labor to install guardrail steel railings.	LF		
7	All necessary material and labor to install guardrail steel post.	Per Post		
8	All necessary material and labor to install guardrail steel ends.	Per End		

### GUARDRAIL - WOOD

ITEM	DESCRIPTION	U/M		PROPOSAL
9	All necessary material and labor to install guardrail wood railings.	LF		
10	All necessary material and labor to install guardrail wood post.	Per Post		
11	All necessary material and labor to install guardrail wood ends.	Per End		

### TEMPORARY FENCES

ITEM	DESCRIPTION	U/M		PROPOSAL
12	All necessary material to erect a temporary fence. Price to include delivery and pick up of the fence.	LF		
13	All necessary material & labor to erect a temporary fence. Price to include delivery, installation and removal of the temporary fence.	LF		

**CITY OF WOONSOCKET, RI  
FINANCE DEPARTMENT  
OFFICE OF PURCHASING**

**SIGNATURE PAGE**

We, the undersigned, submit this proposal for the "Material, Fabrication and Installation of Chain Link Fence and/or Gates and/or Guardrails" for the City of Woonsocket, Rhode Island Bid No. 6197 and certify and agree to all the terms and conditions contained herein .

<b>COMPANY NAME:</b>	
<b>ADDRESS:</b>	
<b>CITY, STATE ZIP:</b>	
<b>PHONE:</b>	
<b>EMAIL:</b>	
<b>PRINT NAME:</b>	
<b>TITLE:</b>	
<b>SIGNATURE:</b>	
<b>DATE:</b>	