



# WE ARE BUILDING A BETTER HARVEY

*Integrity . Unity . Pride*

Christopher J. Clark, Mayor  
CITY OF HARVEY

## REQUEST FOR PROPOSALS

**Bid Number: 2021-10-01**

**for**

**2021 Police Station Security Fence Project**

*A "Building a Better Harvey" Initiative*

<b>BID NUMBER:</b>	2021-10-01
<b>BID ISSUE DATE:</b>	Monday, October 18, 2021
<b>BID DUE:</b>	Tuesday, November 9, 2021 by 5:00pm (CT)
<b>BID OPENING DATE:</b>	Wednesday, November 10, 2021 at 10:00am (CT)
<b>AWARD OF BID:</b>	The City anticipates awarding the contract on or before Monday, November 22, 2021



# REQUEST FOR PROPOSALS

## 2021 POLICE STATION SECURITY FENCE PROJECT

### CITY OF HARVEY

This Request for Proposals is being issued by the City of Harvey, acting pursuant to the City's charter. The purpose of this RFP is to solicit proposals from qualified Contractors for the installation of approximately 1,080 linear feet of 6 foot tall chain link fence, two pedestrian gates, and two horizontal sliding motorist gates at the Harvey Police Station located at 15301 Dixie Hwy, Harvey, IL 60426.

The Contractor should provide evidence that they have been in business for more than ten years. Satisfactory evidence that the Contractor has the necessary capital, equipment, experience, and personnel to complete the work in accordance with all application federal, state, and local regulations may be required. The City will accept proposals via email at [procurement@cityofharveyil.gov](mailto:procurement@cityofharveyil.gov) until Tuesday, November 9, 2021 by 5:00pm (CT) as described in the RFP.

Bids will be publicly opened and read aloud in the City's Conference Chambers on Wednesday, November 10, 2021 at 10:00am (CT). Bids should be submitted via email with the subject line "2021 POLICE STATION SECURITY FENCE PROJECT RFP – [COMPANY NAME]."

**The RFP can be accessed here:**

<https://www.cityofharveyil.gov/building-inspectional-services/>.





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# 1. INTRODUCTION

## 1.1. OVERVIEW

The Harvey Police Department is seeking to install a new high-security fence and two horizontal sliding motorist gates to better secure the Police Station and parking lot areas. The 2021 Police Station Security Fence Project (“Project”) scope includes the installation of approximately 1,080 linear feet of 6 foot tall chain link fence, two pedestrian gates, and two horizontal sliding motorist gates at the Harvey Police Station located at 15301 Dixie Hwy, Harvey, IL 60426. This Project is part of Mayor Clark’s “Building a Better Harvey” initiative.

This Request for Proposals (“RFP”) is being issued by the City of Harvey (“City”), acting pursuant to the City’s charter. The purpose of this RFP is to solicit proposals from qualified Contractors (“Contractor” or “Contractors”) known to be experienced in the installation of a high-security fence and gates. Satisfactory evidence that the Contractor will pass the background checks and has the necessary capital, equipment, experience, and personnel to complete the work in accordance with all application federal, state, and local regulations pass the background checks may be required.

The City is seeking to encourage participation by respondents who are MBE/WBE or Section 3 business enterprises and has a goal for minimum MBE/WBE participation of at least 10% MBE and 10% WBE participation.

Nothing in this RFP shall be construed to create any legal obligation on the part of the City or any respondents. The City reserves the right, in its sole discretion, to amend, suspend, terminate, or reissue this RFP in whole or in part, at any stage. In no event shall the City be liable to respondents for any cost or damages incurred in connection with the RFP process, including but not limited to, any and all costs of preparing a response to this RFP or any other costs incurred in reliance on this RFP. No respondent shall be entitled to repayment from the City for any costs, expenses or fees related to this RFP. All supporting documentation submitted in response to this RFP will become the property of the City. Respondents may also withdraw their interest in the RFP, in writing, at any point in time as more information becomes known.

The City will accept proposals via email at [procurement@cityofharveyil.gov](mailto:procurement@cityofharveyil.gov) until Tuesday, November 9, 2021 by 5:00pm (CT) as described in the RFP. Bids will be publicly opened and read aloud in the City’s Council Chambers on Wednesday, November 10, 2021 at 10:00am (CT). Bids should be submitted via email with the subject line “2021 POLICE STATION SECURITY FENCE PROJECT RFP – [COMPANY NAME].”

## 1.2. PROJECT TIMEFRAME

The Project must be complete by Friday, December 31, 2021.

## 1.3. TERM OF CONTRACT

Any contract awarded pursuant to this RFP solicitation shall be for a contract period up to 60 days with the possibility of an extension. The contract will be made on the basis of a proposal for the installation of the high-security fence and gates.





#### 1.4. REGULATIONS

The selected Contractor shall comply with all codes, standards, regulations, and workers' safety rules that are administered by federal agencies, state agencies, and any other local regulations and standards (i.e., building codes, and 225 ILCS 447, also known as the Illinois Private Detective and Locksmith Act of 2004) that may apply.

More specifically, the selected Contractor shall comply with all Federal, state, and local safety laws and regulations applicable to the execution of the Project including but not limited to: "Right to Know"; Illinois Dig-Safe (JULIE/Dial 811); Occupational Safety and Health Agency (OSHA); Illinois Department of Labor (IDOL); and other applicable federal, state and local codes laws and regulations regulating worker safety, transport and disposal. Contractor shall post any applicable workplace notices as required by Law.

Contractor shall coordinate all efforts required to obtain required permits. All permits and governmental fees, licenses, and inspections necessary for proper execution and completion of the Work shall be secured and paid for by Contractor. Contractor shall comply with and give notices required by laws, ordinances, rules, regulations, and lawful orders of public authorities bearing on performance of the work.





## 2. CONTRACTOR REQUIREMENTS

### 2.1. SCOPE OF WORK

The City seeks proposals from qualified Contractors to install approximately 1,080 linear feet of 6 foot tall chain link fence, two pedestrian gates, and two horizontal sliding motorist gates at the Harvey Police Station located at 15301 Dixie Hwy, Harvey, IL 60426. An exhibit showing the location of proposed fencing and gates is provided in **Appendix A**. Additional project specification are provided in **Appendix B**.

### 2.2. QUALIFICATIONS

Proposals are solicited only from qualified Contractors known to be experienced and regularly engaged in work of similar character and scope to that covered in this Request for Proposals ("RFP"). Satisfactory evidence that the bidder has the necessary capital, equipment, experience, and personnel to do the work may be required. A detailed description of the Contractor's qualifications shall be included with the proposal, as described in **Section 3: Proposal Requirements**.

At a minimum, Respondents must have the following qualifications:

1. **Licenses and certifications.** Provide a Certificate of Good Standing from the State of Illinois.
2. **Prior experience.** Respondents shall provide evidence of years of experience and detailed qualifications in performing installations of fences and motorist gates on various buildings in compliance with local building codes and the International Building Code (IBC). Past projects will be reviewed to determine if the respondent has successfully completed projects similar in nature and scope. Respondents should provide narrative examples of three (3) projects that are similar in nature to projects described in the RFP.
3. **Capacity.** Respondents shall provide evidence that they have the necessary capital, equipment, experience, and personnel to complete the Project within the indicated timeframe.
4. **Project-specific Qualifications.** Respondents shall provide a statement confirming the company's capacity to complete the Project in accordance with the fence and motorist gates specifications described in **Appendix B**.

### 2.3. INSURANCE

The Contractor shall procure and maintain for the duration of the contract insurance against claims for injuries to persons or damages to property which may arise from, or in connection with the performance of the Work by the Contractor, his agents, representatives, employees, or subcontractors.

Coverage shall be at least as broad as:

- Insurance Service Office Commercial General Liability occurrence form CG 0001 (Ed. 11/85).
- Workers' Compensation as required by the Labor Code of the State of Illinois and Employers' Liability Insurance.

Contractor shall maintain limits no less than:

- Commercial General Liability: \$1,000,000 combined single limit per occurrence for bodily injury, personal injury and property damage. The general aggregate shall be twice the required occurrence limit. Minimum General Aggregate shall be no less than \$2,000,000 or a project/contract specific aggregate of \$1,000,000.





- **Workers' Compensation and Employers' Liability:** Workers' Compensation coverage with statutory limits and Employers' Liability limits of \$1,000,000 per accident.

Any deductibles or self-insured retentions must be declared to and approved by the City. At the option of the City, either: the insurer shall reduce or eliminate such deductibles or self-insured retentions as respects the City of Harvey, its officials, agents, employees and volunteers; or the Contractor shall procure a bond guaranteeing payment of losses and related investigation, claim administration and defense expenses.

The Contractor shall furnish the City with certificates of insurance naming the City of Harvey, as additional insured, and with original endorsements affecting coverage required by this clause. The certificates and endorsements for each insurance policy are to be signed by a person authorized by that insurer to bind coverage on its behalf. The certificates and endorsements shall be submitted to, approved by the City before any of the Work commences. The City reserves the right to request full certified copies of the insurance policies and endorsements.

## 2.4. CERTIFICATIONS OF INSURANCE

Included in bid package, Respondents shall provide to the City complete certificates of insurance to meet the above requirements. Policies shall be endorsed to provide the City at least 30 days written notice of reduction, cancellation or intent not to renew coverages as called for above. If insurance is canceled, reduced, non-renewed or otherwise is not in effect to the minimum required coverage, the Selected Contractor must cease work on this bid.

The Selected Contractor shall provide the City with a copy of its required insurance policies and certificates of insurance as described above. If the Selected Contractor does not provide such materials in the time provided for, the Selected Contractor will be disqualified, and the bid will be awarded to the next lowest bidder or in the creation of a new request for bids.

## 2.5. DAMAGE TO PERSONS OR PROPERTY

The Selected Contractor also accepts sole responsibility for any damage to any person or damage to public or private property resulting from their performance of the work, whether based on negligence or any other legal or equitable claim.

The Selected Contractor will protect, defend, and hold harmless the City from any and all damage, claim, liability, or expenses whatsoever, or any amounts paid in compromise thereof arising out of or connected with the performance of this contract, including those related to the Selected Contractor's (or its subcontractors') negligence.

## 2.6. QUALITY OF SERVICE

The Selected Contractor will operate in a professional manner and keep all noise and other nuisances to a minimum at all times while under contract with the City. The City is looking to inconveniencing the public as little as possible, considering the service Selected Contractor is providing. The Selected Contractor shall file all documents outlined in this RFP in a timely and well-organized manner.





## 2.7. OPERATION OF VEHICLES

The Selected Contractor shall operate all company vehicles in a manner so as to not impede traffic flow on City streets. Company vehicles are not to be left unattended overnight for any reason except for emergencies or in the actual performance of the job. When a vehicle is left unattended for the actual performance of the job, it shall be according to all City Codes and ordinance in place at that time.

## 2.8. SUPPORT FACILITIES

Selected Contractor shall have an available office with sufficient staff and communications facilities to assure ready accessibility and prompt response to the needs of the City.

## 2.9. CONTRACTOR'S PAYMENT OF TAXES, PERMITS, ETC.

The Selected Contractor shall be solely responsible for:

- A) Payment of wages to its work force in compliance with all Federal and State laws, including the Federal and State Wage and Hour laws.
- B) Payment of any and all FICA, unemployment contributions and other payroll-related taxes or contributions required to be paid by the Selected Contractor under State and Federal law.
- C) Payment of all applicable Federal, State, or Municipal taxes, charges or permit fees, whether now in force or subsequently enacted.
- D) Payment of any and all suppliers, merchants, or vendors from whom the Selected Contractor obtains items and materials related to the contract.

The Selected Contractor shall indemnify and hold the City harmless from all claims arising from the foregoing payment obligations of the Selected Contractor.

## 2.10. ASSIGNMENTS OF SUBCONTRACTING

The Selected Contractor shall not assign, subcontract or otherwise transfer its duties and/or obligations under this proposal, without prior written consent of the City. If the bidder anticipates that it will need to subcontract its duties in order to fulfill the Contract requirements, that information must be disclosed in the Bidder's response.

## 2.11. FAIR EMPLOYMENT PRACTICES

The Selected Contractor agrees to not discriminate against any employee or applicant for employment, to be hired in the performance of the contract with respect to hire, tenure, term, conditions or privileges of employment, or any other matter directly or indirectly related to employment, because of sex, race, color, religion, nation origin, ancestry, handicap or any other basis prohibited by State or Federal law or regulations.

## 2.12. PREVAILING WAGES

As applicable when this Contract calls for the construction of a "public work", within the meaning of the Illinois Prevailing Wage Act, 820 ILCS 130/.01 et. seq. ("the Act"), then the Act requires all contractors and subcontractors to pay laborers, workers and mechanics performing services on public works projects no less than "prevailing rate of wages", defined as hourly cash wages plus fringe benefits, in the county where the work is performed. The Contractor is solely responsible to ascertaining the current and applicable Prevailing Wages for the work; and determining, and complying with, all other applicable





provisions of Illinois statutes pursuant to this section. For information regarding current prevailing wage rates, please refer to the Illinois Department of Labor's website at:

<http://www.state.il.us/agency/idol/rates.HTML>. All contractors and subcontractors rendering services under this Contract must comply with all requirements of the Act, including but not limited to, all wage notice and benefits, posting and record keeping duties. The Contractor should contact the Illinois Department of Labor, if there is uncertainty as to the application of prevailing wages for the Work. By executing this Contract the Contractor acknowledges that it has received written notice from the City of Harvey pursuant to the Act that, as applicable, not less than the prevailing wages as found by the City of Harvey or The Department of Labor or determined by the court on review shall be paid to all laborers, workers and mechanics performing the Work.

### 2.13. TIME IS OF THE ESSENCE

Time is of the essence in this matter. The Selected Contractor must schedule its work and that of its City subcontractors to meet the needs and requirements of the City. The Selected Contractor must perform the work expeditiously in cooperation with the City. The Selected Contractor's sole remedy for any delay caused by the or its agents, employees, contractors, or subcontractors will be an extension in the contract time; damages will be unavailable to Selected Contractor on such grounds.

### 2.14. CONTRACT EXECUTION

The Contractor to whom the Contract is awarded shall, within ten (10) calendar days after the notice of award, enter into a written contract with the City. Failure to execute a contract will be considered abandonment of the award and the City shall have no further obligation to that bidder.

### 2.15. BREACH OF CONTRACT AND CITY'S RIGHT TO TERMINATE CONTRACT

In the event that any of the provisions of this bid and/or resulting contract are breached by the Selected Contractor, the City shall give written notice to the Selected Contractor of the breach or pattern of behavior that constitutes the breach and allow the Selected Contractor to resolve the breach or pattern of behavior that constitutes the breach within ten (10) calendar days of Selected Contractor's receipt of notice. If the breach or pattern of behavior is not resolved, then the City Administrator of the City of Harvey shall have the right to cancel any contract by sending written notice to the Selected Contractor of the cancellation. If the Selected Contractor should be judged bankrupt, if it should make a general assignment for the benefit of its creditors, if a receiver should be appointed on account of its insolvency, if it should persistently or repeatedly refuse to supply enough labor, materials and/or equipment to meet the scope of work of the contract, if it should persistently disregard laws of the State of Illinois and/or ordinances of the City, or if it fails to comply and fulfill its obligations under any provision of the contract resulting from its bid, the City may, without prejudice to any other right or remedy, terminate the contract immediately. If the Selected Contractor fails to perform or complete the demolition and clean-up of the residential building as agreed or otherwise breaches its duties under this bid or the resulting contract, the Selected Contractor shall be responsible for any and all costs the City incurs in obtaining satisfactory performance of the project and/or litigation costs and attorneys fees to enforce its rights under the bid and this contract. Such relief shall be in addition to any other legal and equitable remedies available to the City.





## 2.16. CITY'S RIGHT TO MODIFY CONTRACT

The City reserves the right to negotiate with the Selected Contractor for a change in terms of the contract during the term of the contract and to make adjustments relative to the implementation of a change that reduces or modifies the need for the engineering services. If the City and the Selected Contractor are unable to agree on a revised contract, the City may seek new proposals and, upon a minimum of ten (10) calendar days written notice from the City, may terminate the unexpired portion of the contract. The City shall not be liable for any cost under this section beyond the contract price for the period where service is actually provided.

## 2.17. NO CONFLICT OF INTEREST

The bidder must provide a statement that it has no conflicting financial or professional interests and is qualified to perform the services requested. A bidder working for the City would be considered to have a conflicting interest if they derive any personal profit or gain, directly or indirectly, by reason of his or her participation with the City.

## 2.18. PAYMENT

The City shall pay for acceptable work within thirty (30) days of receipt of invoice, except that prior to approval of and final payment for the completion of the project, the Selected Contractor must thoroughly clear the project site and any other place affected by the work of all debris to the City's satisfaction, in the City's sole discretion.





## 3. PROPOSAL REQUIREMENTS

### 3.1. PROPOSAL REQUIREMENTS

A complete RFP submittal will include the following items:

1. **Cover Letter.** All Respondents shall submit a Cover Letter signed by a duly authorized officer or representative of the firm, not to exceed two pages in length. The Cover Letter must also include the following information:
  - The principal place of business and the contact person, title, telephone number, and email address.
  - A summary of the qualifications of the Respondent and team.
  - Description of organization (i.e., Corporation, Limited Liability Company, or Joint Venture). The names and business addresses of all Principals of the Respondent. For purposes of this RFP “Principals” shall mean persons possessing an ownership interest in the Respondent. If the Respondent is a partially owned or fully-owned subsidiary of another organization, identify the parent organization and describe the nature and extent of the parent organization’s approval rights, if any, over the activities of the Respondent.
2. **Threshold Requirements.** These documents must be submitted and acceptable before the City will review the Main Proposal:
  - Certificate of Good Standing (Corporation) or Certificate of Existence (Limited Liability Company): Provide a copy of relevant certificate(s) issued by the Illinois Secretary of State.
  - Evidence of Insurance: Provide evidence of the insurance coverages described in **Section 2.3. Insurance.**
  - License: Provide State license and certifications in accordance with title XI of the Financial Institutions Reform, Recovery, and Enforcement Act of 1989 (FIRREA) (12 U.S.C. 3331 et seq.)
  - Conflict of Interest Statement & Supporting Documentation: Disclose any professional or personal financial interests that may be a conflict of interest in representing the City of Harvey. In addition, all Respondents shall further disclose arrangement to derive additional compensation from various investment and reinvestment products, including financial contracts.
3. **Main Proposal.** Please provide the following information (this information is the main substance for the selection criteria stated under the Section 4: Evaluation and Scoring):
  - Qualifications: Provide evidence of the qualifications described in **Section 2.2.**
  - Technical Approach: Briefly describe your company’s approach for completing the project in accordance with the specifications provided in **Appendix B.** Describe any expectations and requirements of the City of Harvey.
  - Project Schedule: Provide a schedule for completing the Project within the project timeframe provided in **Section 1.2.**
  - Three (3) References: Provide a list of at least three (3) professional references. Please include the contact person’s name, company or firm, and telephone number and email address for the contact. Provide references for services performed within the last twelve (12) months. Professional references can be forgone if the contractor





has performed installations services for the City of Harvey in the prior twelve (12) months.

- MBE/WBE Participation or Affidavit: Respondents should state whether they are an MBE/WBE or Section 3 business enterprise. If so, please provide a copy of a current MBE/WBE certification letter or provide a certification of an affidavit stating that business is owned by a minority or women business owner.
- Local Hiring: Statement concerning efforts that have been or will be taken to recruit and hire local workers to meet project needs, if any.

**4. Price Proposal.** Complete and submit the Price Proposal Form provided in **Appendix C**.

### 3.2. CONTRACTOR RESPONSIBILITY

The City of Harvey will not be liable for any cost incurred in the development of a proposal responsive to this request. By submitting a bid to do the work, the Contractor represents that it is fully informed concerning the scope of the project, the requirements of the Contract, the physical conditions likely to be encountered in the work, and the character, quality, and quantity of services required by the City.

The Selected Contractor shall furnish all labor materials, supplies, devices, or tools needed to perform the required services. The Selected Contractor will not be entitled to additional compensation if it later determines that conditions require methods or equipment other than those anticipated in making its bid. This will be subject to the City discretion. In addition, the Selected Contractor shall provide all vehicles and other equipment and material necessary for the work. Respondents having questions regarding this RFP should request clarification before submitting a bid. Negligence or inattention of the Bidder in filing a bid, or in any phase of the performance of the work, shall be grounds for refusal of the City to agree to additional compensation. Respondents having questions regarding this RFP contact the City for clarification.

### 3.3. INCURRING COSTS

The City is not liable for any costs incurred by contractors prior to the issuance of a contract.

### 3.4. RESPONSE DATE

To be considered, bids must be received at the City on or before the time specified in the Invitation to Bid. The contractor's name must be included in the email subject line. All information submitted in the bid, including but not limited to bid prices, equipment, etc., must remain valid and available for acceptance by the City for at least ninety (90) days past the submission deadline.

### 3.5. OPENING OF BIDS

All bids received will be publicly opened and read at the time and place specified in the Invitation to Bid. All Respondents are invited to be physically present for the bid opening.

### 3.6. REJECTION OF BIDS

The City reserves the right to reject any or all bids, in part or in their entirety, or to waive any informality or defect in any bid, or to accept any bid which, in its opinion is deemed most advantageous to the City.





### 3.7. RESPONSE TO RESPONDENT QUESTIONS

Explanations desired by a prospective bidder shall be requested of the City by email, and if explanations are necessary, a reply shall be made in the form of an addendum, a copy of which will be forwarded to each bidder. Every request for such explanation shall be submitted by email to [procurement@cityofharveyil.gov](mailto:procurement@cityofharveyil.gov) by Tuesday, November 2, 2021 by 5:00pm (CT). No inquiry or request received after this deadline will be given consideration.

### 3.8. MATERIAL SUBMITTED

All materials submitted as part of a bid will become the property of the City. The City reserves the right to use any or all ideas presented.





#### 4. PROPOSAL EVALUATION & SCORING

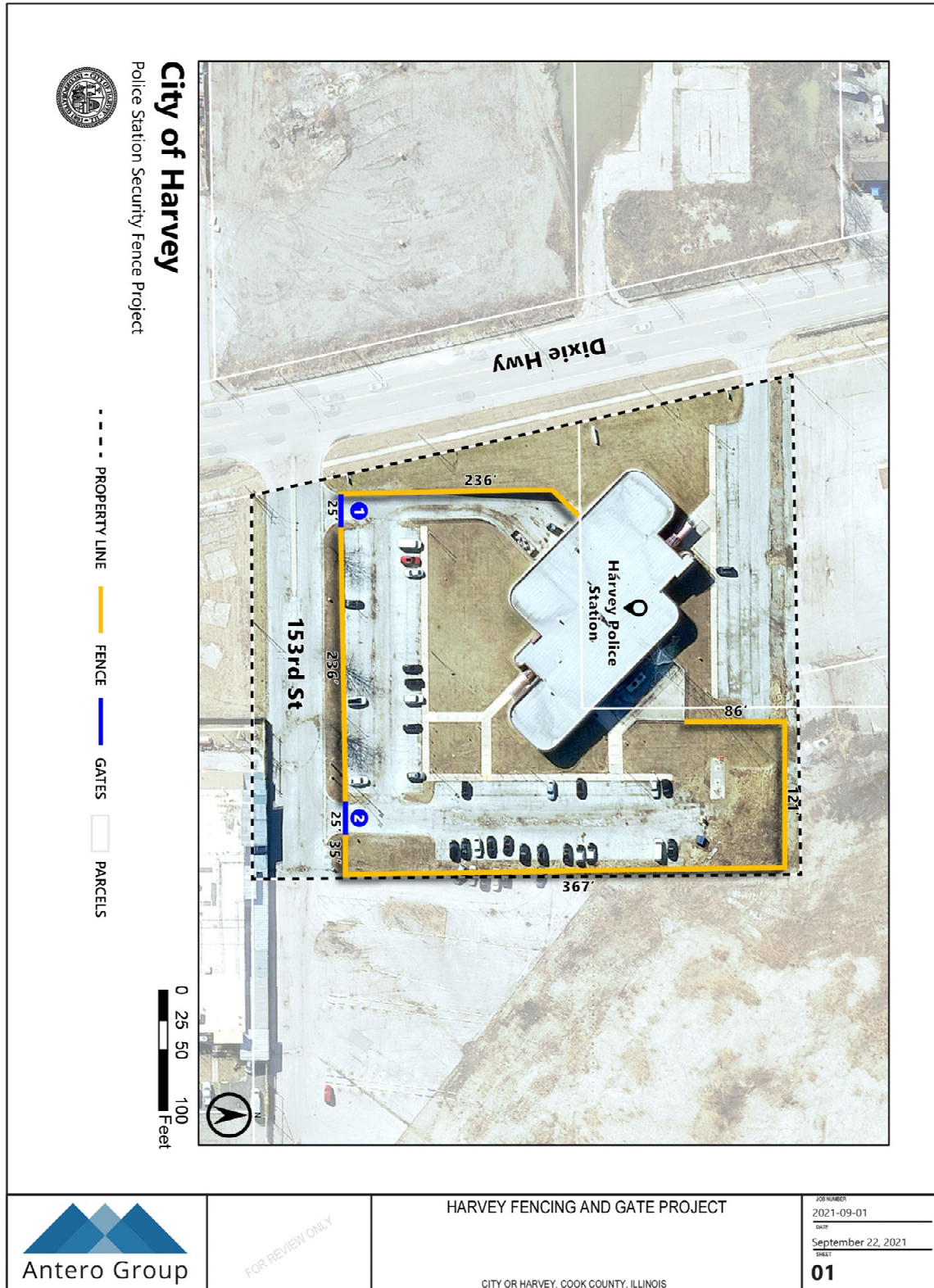
In evaluating responses to this Request for Proposal, the City will take into consideration the experience, capacity, and pricing that are being proposed by the Respondent. The following Evaluation Criteria will be considered in reviewing RFP submittals:

Criteria	Description	Points
<b>Prior Experience</b>	Respondents will be awarded up to 20 points for experience in providing services to the city of Harvey. Consideration will be given to respondents with at least ten years of experience and who have familiarity with the area, including knowledge of and experience working with the City.	<b>20</b>
<b>Capacity</b>	Respondents will be awarded up to 20 points for their demonstrated Capacity to complete the Project within the designated timeframe. Consideration will be given to respondents who have demonstrated their capacity to effectively manage schedules and budgets.	<b>20</b>
<b>Pricing</b>	Respondents will be awarded up to 20 points for pricing.	<b>20</b>
<b>W/MBE Participation</b>	Respondents will be awarded up to 20 points for their experience in meeting MBE/WBE, City of Harvey's Local Hiring, Davis-Bacon, and HUD Section 3 requirements.	<b>20</b>
<b>Total Points</b>		<b>80</b>





## Appendix A. Location of Proposed Fence and Gates





## Appendix B. Fence and Motorist Gates Specifications

### Fence Specifications

- Fence material, design, and installation should comply with the *Chapter 16-68* in the City's Code of Ordinances and the *2018 International Building Code*.
- Fence should be a 6 foot high chain link fence.
- Fence should not include barbed wire or other climbing deterrents.
- Two pedestrian walk gates must be installed at least 6' from the horizontal sliding gate per the gate specifications.

### Gate Specifications

- Horizontal slide gate design, devices, and installation should comply *UL 325 Standard / ASTM F2200 (Edition 6) Class III* (see *Pro Access Slide Gate Design Guidance* below).
- The gate motor must support the following minimum requirements and functionality:
  - Gate must be automated.
  - A dispatcher will have 24/7 remote control of the gate.
  - Communication with approaching and departing vehicles must be possible. If a vehicle is stopped in the middle of the gate, sensors will prevent the gate from closing on it.
  - The gate motor should include a battery backup with a heater.





IT'S UNDER CONTROL.

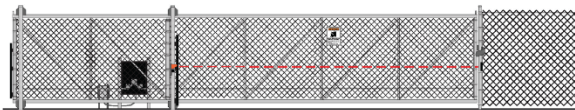
# Slide Gate DESIGN

## and the UL 325 Standard / ASTM F2200

COMPLIANCE TO THE UL 325 SIXTH EDITION & ASTM F2200-14 STANDARDS, UPDATED JANUARY 12, 2016

### What changes in UL 325 should I be concerned about ?

Some of the changes that came into effect January 12, 2016 are simply clarifications. One changes the way an automatic gate installation is made "people safe." Here is a synopsis. If your gate operator was manufactured between March 1, 2000 and January 12, 2016, you must protect pedestrians by adding at least one external safety device like a photo eye or "bump" edge, presumably for the opening and/or closing direction or where serious danger of entrapment exists.



If manufactured after January 14, 2016, at least one external safety device like a photo eye or "bump" edge, **MUST** be added for BOTH the opening and closing directions. Where the danger of entrapment exists, adding the pictured guarding to the area is required. Additionally, the safety devices must be monitored. This means that if they are absent or not working, the gate operator will not function.

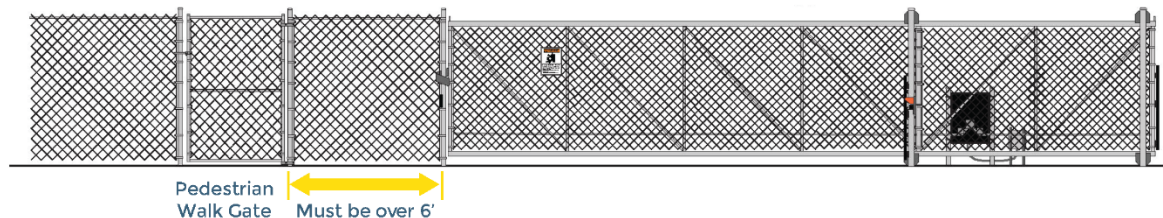
This article is designed to help you understand what is required for an automatic gate installation to comply with the safety standards. The information will also act as a guide for Safety Upgrades to existing slide gates.

An often overlooked item required in the UL 325 & ASTM F2200 standards is a separate access point or walk gate for use by pedestrians. If the gate can be walked around (there is no fence or limiting factor preventing it) no walk gate is required.

### Automatic Gates are for Vehicular use only!

They are NOT intended for use by pedestrians, although they must be guarded to prevent harm to pedestrians.

Multiple monitored entrapment protection devices must be a part of the system. No gate or controls can be located within 6 feet of the gate except those controls specifically designed for use by Emergency Responders (like a Knox box.) The gate operator must be listed by UL or another approved testing and listing service. Industry standard warning signs must be visible on both sides of the gate. Rental units, apartment complexes, self storage facilities, etc., should add the information from the sign to their rental agreement and have each tenant sign that they received the Gate Safety information. The inherent and external entrapment protection devices must be tested monthly.

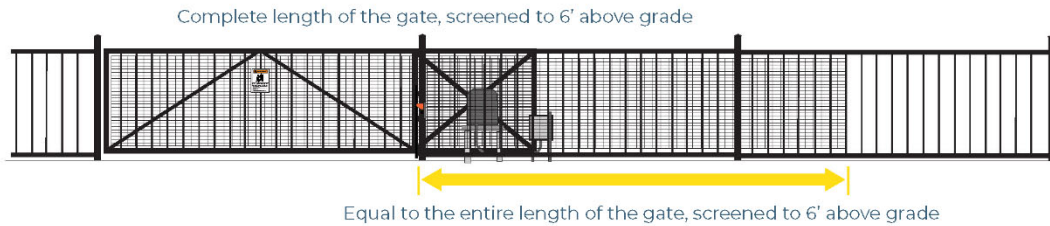




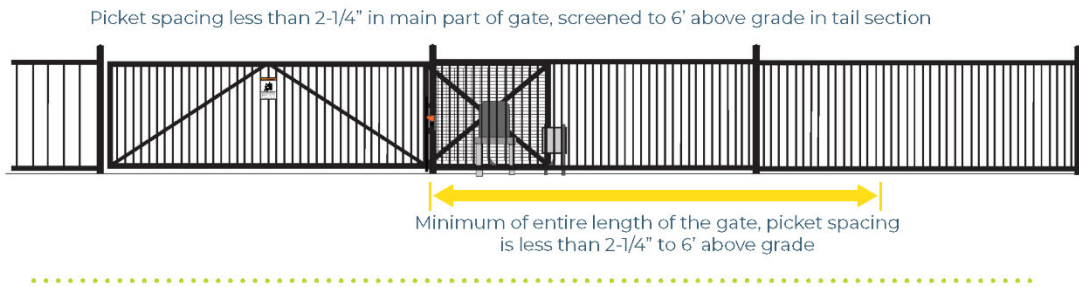




## Screening Requirements



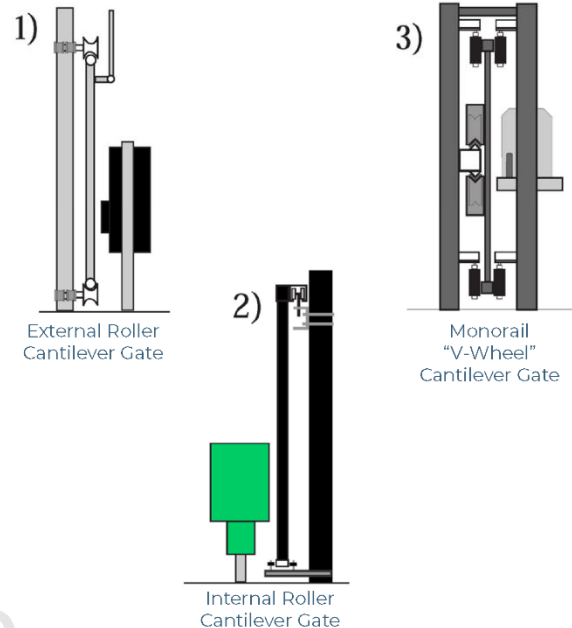
The UL 325 & ASTM F2200 standards specify that any Automatic Slide Gate must be designed or screened so that a 2-1/4" sphere (standard cue ball or racketball) cannot pass through the gate (entire gate including the counterbalance or tail section) and the entire fence next to the gate, for the entire length of the gate in an open position. Chain link fence fabric meets the standard. Where mesh screening is not acceptable for some ornamental picket gates, the picket spacing can be close enough to meet the standard (less than 2-1/4"). In most cases, the tail section of those gates are screened with mesh fabric. This applies to slide gates only (not swing gates.)



## Cantilever Slide Gate

It is important to know what type of Cantilever Slide Gate is used at a particular site. The three most common are:

- 1) External Roller Gate (ATMS F1184, Type II, Class 1), typically fabricated from galvanized round, steel pipe.
- 2) Internal Roller Gate (ATMS F1184, Type II, Class 2), usually made from square, tubular aluminum
- 3) Monorail (V-Wheel), typically made from painted, square tubular steel. Monorail Gates are very common at Self Storage Facilities.



# 2 Slide Gate





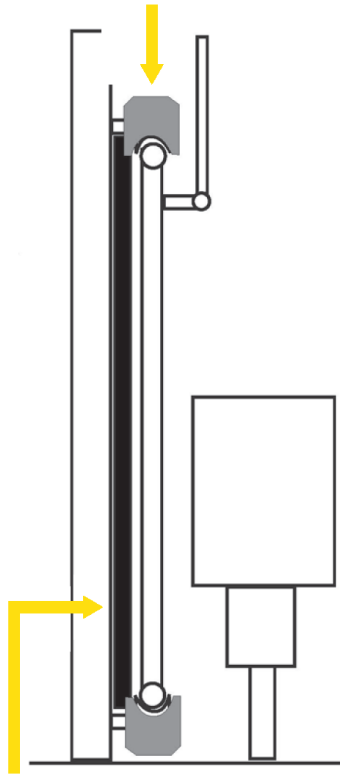


## Roller Covers and Baffle Kits

The UL 325 & ASTM F2200 standards specify that any exposed, weight bearing roller below 8' above grade must be covered or guarded. The rollers are guarded by design on Internal Roller and Monorail Gates. Exposed cantilever wheels must be guarded on External Roller gates.

The UL 325 & ASTM F2200 standards specify that potential pinch points and areas of potential entrapment must be eliminated by design or guarded. All stationary items like walls, posts, etc. must be less than 2-1/4" or more than 16" away from the moving part of the gate. Gate operators and their mounting posts are excluded. The most common and overlooked area is between each Gate Roller Post and the gate. Baffle Kits are typically mounted in place once the gate is installed.

Roller covers or guards are required on all exposed, weight bearing cantilever rollers both top (below 8' high) and on bottom rollers.



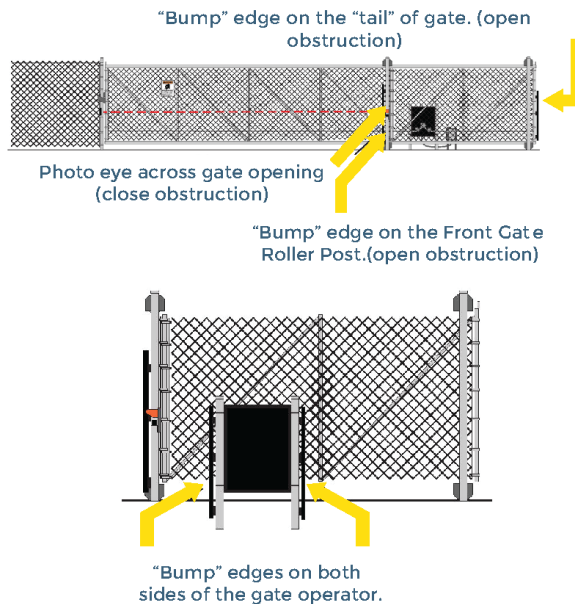
Baffle Kits are required to close off the area between the moving part of the gate and the stationary gate post. The gap must be less than 2-1/4" (or over 16")  
Roller covers or guards are required on all exposed, weight bearing cantilever rollers both top (below 8' high) and on bottom rollers.

## Entrapment Devices

In addition to the Inherent Entrapment Devices built into each gate operator by the manufacturer, UL 325 requires that one or more Monitored contact or non-contact sensors shall be utilized for both the opening and closing directions, located where the risk of entrapment or obstruction exists. Please refer to the diagrams below for possible locations.

Actual site conditions will determine the number of External Entrapment Devices required. At least two are required (one for opening and one for closing.) Each site may be different.

Recommendations for placement of External Entrapment Devices vary widely from manufacturer to manufacturer. Please contact a Professional Gate Operator Installation firm to assure that your system meets the UL325 Standard and ASTM F2200 recommendations. Possible locations:



# Slide Gate

3







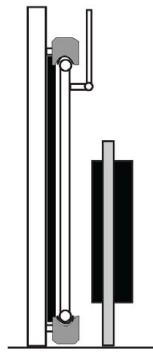


## Fall Over Prevention

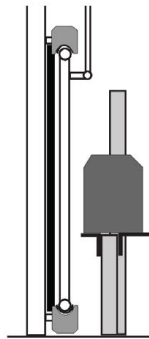
The UL 325 & ASTM F2200 standards specify that design must prevent the gate from falling over beyond 45 degrees if it becomes disconnected from its mounting posts or hardware. In some instances, a separate post must be added. The added post must be over 16" from the moving part of the gate.



Fall over post added 16" away from the gate.



The operator posts here provide the necessary fall over prevention.



One of the operator posts may be extended to provide the necessary fall over prevention.

## General

(not required by UL 325 or ASTM F-2200 but highly recommended):

If privacy slats, large or multiple signs, screening or solid panels are to be added now or at a later date, the gate operator & gate design will be quite different from an "open air" gate. Please bring this to our attention, asap.

**NOTE:** Reference to ASTM & UL standards is not meant to infer or imply that the equipment alone will provide a finished system at the site that is compliant with either. Design components which include compliance from the fencing contractor, the owner and other site vendors may be required.

# 4 Slide Gate

## WARNING (requirements of UL 325, Sixth Edition and / or ASTM F-2200-14):

- If manufactured after March 1, 2000, the gate operator must be listed / labeled by a Nationally Recognized Testing Laboratory (NRTL) such as UL or ETL.
- Slide gates must be easily operated manually in order to be automated. An automatic gate operator will not compensate for a gate that is difficult to operate by hand.
- Gates must be level and if disconnected from the operator, the gate cannot move due to the force of gravity alone.
- Slide gates must have permanent stops at the limits of gate travel.
- The gate must be designed with sufficient lateral stability to assure that it enters the receiver (gate catch.) We recommend that slide gates over 24' opening size be built with an outrigger.
- Because motorized gates are for vehicular traffic only, a separate access point or walk through gate must be supplied for pedestrian use.
- Monitored external sensors must be installed for pedestrian protection across the gate opening while CLOSING and for the gate travel while OPENING. The gate will NOT operate without them!
- No gate controls or walk gates can be located within 6' of any moving part of the gate except controls specifically designed for use by First Responders (Knox box, etc.)
- The entire length of a slide gate, including the tail section & any fence beside it, for the entire length of the gate in its open position must be designed or screened to 6' above grade so that a 2-1/4" sphere may not pass through (chain link fabric meets the standard.) Ornamental gates with vertical pickets 2-1/4" apart or more MUST be screened.
- All potential pinch points and areas of potential entrapment must be eliminated by design or guarded. All stationary items like walls, posts, etc. must be less than 2-1/4" or more than 16" away.
- Design must prevent the gate from falling over beyond 45 degrees if it becomes disconnected from its mounting posts or hardware.
- Cantilever gates must have roller covers on exposed, weight bearing rollers less than 8' above grade.
- The gate must have a smooth bottom, no pickets can extend below the bottom rail.
- The gate receiver (gate catch) cannot extend into the gate opening.
- Warning signs must be clearly visible on both sides of the gate.





## Appendix C. Price Proposal Form

ITEM	ITEMS DESCRIPTIONS	UNIT	QUANTITY	PRICE
1	6' high chain link fence	LF	1,082	
2	Pedestrian gates	Unit	2	
3	UL 325-compliant horizontal sliding gate	Unit	2	
<b>TOTAL</b>				

