

Request for Proposal (RFP) for Athletic Field Paint Striping Robot

Issued by: Central Lake Public Schools

Date: January 15, 2025

I. INTRODUCTION

Central Lake Public Schools is seeking proposals from qualified vendors to provide an athletic field paint striping robot (also known as a turf striping robot or robotic line painter) to assist with the maintenance and upkeep of athletic fields. The goal is to enhance operational efficiency, improve field markings, and reduce labor costs. We are interested in a system capable of accurately painting lines on athletic fields and/or parking lots with minimal human intervention.

II. SCOPE OF WORK

The successful bidder will be responsible for supplying, installing, and providing initial training for an athletic field paint striping robot with the following specifications:

1. General Requirements:

- The robot should be designed for use on multiple surfaces, including, but not limited to, grass, turf, diamonds, and asphalt.
- The system must include the necessary components for operation, including the robot, paint applicator, power source (e.g., battery or other), and any supporting hardware/software for configuration and operation.
- The robot should be capable of painting accurate, consistent lines, including straight lines and curves, for various field configurations (e.g., football, soccer, lacrosse, baseball, parking lots, etc.).
- The robot must function autonomously with minimal human intervention, utilizing GPS and/or other tracking technologies for line accuracy.

2. Performance Requirements:

- The system should provide high-quality paint lines with durable, consistent coverage.
- The robot should handle various field markings and be adaptable to different weather conditions, particularly in the typical Michigan climate (temperature variations, rain, etc.).
- The robot should be designed for easy operation and quick learning by field maintenance staff.
- The system should have an operational range that accommodates fields of various sizes and configurations.

3. Maintenance and Support:

- The vendor should provide a maintenance and support plan including warranty details, repair services, and availability of spare parts. The warranty should last

not less than one year. Support plans should be spelled out in the proposal for subsequent years.

- The system should be low maintenance, with easy-to-follow troubleshooting and repair procedures.
- Training for operation and maintenance should be included in the proposal and conducted at the time of installation.

4. **Software and Tracking:**

- The robot should feature an intuitive software interface for designing field layouts, programming specific line markings, and adjusting operational settings (such as paint thickness and line width).
- The robot should be able to store multiple field layout configurations and allow users to recall and apply them quickly.
- The robot software should allow for multiple logos.
- GPS tracking or similar technology should be utilized to ensure the precision and alignment of lines.

5. **Safety:**

- The robot should have built-in safety features to prevent accidents or damage to fields, equipment, or personnel.
- It should be easy to control remotely and allow for manual override if needed.

III. TECHNICAL SPECIFICATIONS

- **Dimensions:** Provide the robot's dimensions and weight.
- **Power Source:** Detail the power supply (e.g., battery, electric), including estimated operational time per charge.
- **Application System:** Describe the paint application system, including capacity, compatibility, and precision features.
- **Field Compatibility:** Specify the field sizes and types (e.g., natural grass and synthetic turf) that are compatible with the system.
- **GPS or Tracking System:** Provide details on the navigation and tracking systems that ensure accurate line marking.
- **Paint Type Compatibility:** Indicate whether the system is compatible with various types of athletic field paint (e.g., water-based, latex).
- **Software Compatibility:** Describe the software requirements for configuring field designs and robot operation.

IV. BIDDER QUALIFICATIONS

To be considered for this project, bidders must meet the following qualifications:

1. **Experience:** The bidder must have at least two (2) years of experience providing athletic field maintenance equipment, including robotic turf and field striping systems.
2. **References:** Provide at least three (3) references from institutions that have implemented similar robotic striping systems.

3. **Support:** The vendor must demonstrate the ability to provide ongoing technical support and maintenance services.
4. **Warranty:** A warranty of at least one year should be provided, covering all system components, excluding normal wear and tear.

V. PROPOSAL REQUIREMENTS

Proposals must include the following information:

1. A detailed description of the proposed robotic system, including specifications and capabilities.
2. Please provide a pricing breakdown for the equipment, including any optional add-ons (e.g., additional accessories or extended warranty).
3. Installation timeline and process.
4. Details of any required training for field maintenance staff.
5. Documentation regarding warranty, maintenance, and support services.
6. Proof of vendor experience and references.
7. Any additional features or advantages of the proposed system.
8. Estimated operational costs, including paint and consumables.

VI. EVALUATION CRITERIA

Proposals will be evaluated based on the following criteria:

1. **Compliance with Specifications:** How well does the proposal meet the outlined technical requirements?
2. **Vendor Experience:** The vendor's qualifications and experience in providing similar products and services.
3. **Cost:** Total cost of ownership, including equipment, installation, training, and ongoing support.
4. **Ease of Use:** User-friendliness of the system, including software and operational setup.
5. **Support and Warranty:** The quality and comprehensiveness of the maintenance and support package, including warranty details.
6. **Innovative Features:** Any additional features that improve performance, safety, or ease of operation.

VII. TIMELINE

- **Proposal Due Date:** February 3, 2025, at 1:00 p.m.
- **Evaluation and Vendor Selection:** February 3, 2025
- **Notification of Award:** February 10, 2025
- **Project Completion (installation and training):** July 1, 2025

VIII. TERMS AND CONDITIONS

1. **RFP Submission:** All proposals must be submitted by the deadline outlined above. Late submissions will not be considered. This is a lump sum bid purchase price of an athletic field striping robot with an optional 1-year service plan. All submissions must include the Familial Relationship Disclosure Form and the Iran-Linked Business Disclosure Statement (attached).
2. **Right to Reject Proposals:** Central Lake Public Schools reserves the right to reject any and all proposals.
3. **Confidentiality:** All submitted proposals will be kept confidential during the evaluation process.
4. **Contract Award:** The contract will be awarded to the vendor whose proposal offers the best value to the school district, as determined by the evaluation criteria outlined in this RFP.

IX. CONTACT INFORMATION

All inquiries regarding this RFP should be directed to:

Mac Eckhardt, Director of Operations
moeckhardt@centrallake.org
231-544-3141

Proposals must be submitted via a sealed bid to Dr. Ryan Cunningham, Superintendent, Central Lake Public Schools, 8169 W State Street, Central Lake, MI 49622 by February 3, 2025.

We look forward to reviewing your proposal. The Board of Education reserves the right to reject any or all bids.

FAMILIAL RELATIONSHIP DISCLOSURE FORM

AFFIDAVIT OF BIDDER

The undersigned, the owner or authorized officer of _____ (the Bidder), pursuant to the familial disclosure requirements provided in the Advertisement for Bid, hereby represents and warrants, except as provided below, that no familial relationships exist between the owner(s) or any employee of _____ (the Bidder)

and any member of the Board of Education of the School District or the Superintendent of Central Lake Public Schools.

List and describe any Familial Relationships:

BIDDER:

By: _____

Its: _____

STATE OF MICHIGAN

COUNTY OF _____

Subscribed and sworn to before me on the _____ day of _____ 202__,

by _____

_____ (notary public)

_____ County, Michigan

My Commission Expires: _____

Acting in County of _____

IRAN-LINKED BUSINESS DISCLOSURE STATEMENT

Important: This disclosure statement must be included with your bid as required by state law (Public Act 517 of 2012).

The "Iran Economic Sanctions Act" (P.A. 517 of 2012) makes an Iran-linked business ineligible to submit a bid on an RFP with a public entity. School districts, community college districts, and intermediate school districts must require each entity submitting a bid on an RFP to certify it is not an Iran-linked business. This requirement applies to all RFPs and not just to construction projects.

The Iran Economic Sanctions Act defines an Iran-linked business as either of the following:

-- A person engaging in investment activities in the energy sector of Iran, including a person who provides oil or liquefied natural gas tankers or products used to construct or maintain pipelines used to transport oil or liquefied natural gas for the energy sector of Iran.

-- A financial institution that extends credit to another person if that person will use the credit to engage in investment activities in the energy sector of Iran.

The undersigned, the owner or authorized officer of _____

_____ (the "Bidder"), pursuant to the Iran-linked business disclosure requirement provided in the Central Lake Public Schools invitation to bid, hereby represent and warrant that _____ (legal business name) is not an Iran-linked business as defined by P.A. 517 of 2012.

BIDDER:

By: _____

Its: _____

STATE OF MICHIGAN
COUNTY OF _____

Subscribed and sworn to before me on the _____ day of _____ 202____,

By _____

_____ (notary public)

_____ County, Michigan

My Commission Expires: _____

Acting in County of _____