**NOTICE OF SOLE SOURCE**

**Automated Re-Striping System Project**

**Date Issued: May 24, 2021**

**Deadline: 2:00PM, Monday, May 31, 2021**

**Number: SSP 21-080**

**Notice of Proposed Sole Source**: El Paso County Department of Public Works (DPW) intends to award a sole source contract to Limtech Scientific, Inc. in the estimated not to exceed amount of $162,00.00 for a LifeMark - 400 Automated Re-Striping Equipment and Software that will serve to improve efficiency and of highway painting and restriping for DPW Highways Division.

The performance characteristics and features of the system are as follows:

**LifeMark® AUTOMATED RE-STRIPING SYSTEMS** are designed to control the re-striping of pavement markings without a rear operator. Cameras are used in conjunction with patent-pending real-time artificial intelligence machine learning techniques and computer algorithms to accurately define re-striping actions. This system recognizes all colors and types of lines, new and worn, over new and old concrete or asphalt, and will turn paint guns on and off as needed. The equipment is available to retrofit any long line paint, thermo, epoxy, or polyurea striping truck.

**LifeMark® Automated Re-striping Systems** monitor the paint and glass bead installation via an in-cab video view. The system can control both sides of the striping truck.

**DURING RE-STRIPE**, a Smart Cylinder guided by the LifeMark® system ensures the paint guns are accurately positioned over the worn lines. The existing paint truck paint gun controller system can still be used to control the on/off function of the paint guns, alongside the LifeMark® Automated Re-striping System.

**PRODUCT FEATURES**

* Automatically control both carriages and all paint and glass bead guns to allow re-stripe of worn single, double or skip lines.
* Specify stripe width, skip and cycle length, or re-stripe as existing.
* Measure stripe width and automatically paint wider lines over old narrow markings.
* Automatically record footage painted and re-stripe in areas that are worn. All control algorithms are processed on the truck in real-time.
* No offline computer calculation is required to control the carriages.
* LifeMark®-400 Utilizes GPS, RTK, and INS to record and layout.
* Paint carriage location data is calculated in real-time.

**Point of Contact:** The sole point of contact for this Notice of Proposed Sole Source is Matt Stephens, CPPO, CPPB, El Paso County Contracts & Procurement Division, 15 E. Vermijo Ave., Colorado Springs, CO 80903; phone: 719-520-6772; email: mattstephens@elpasoco.com. Information obtained from other sources may not be accurate and should not be relied upon.

**Comments:** If any vendor disagrees with this Notice of Proposed Sole Source, and has documented evidence supporting their objection, vendor must notify Matt Stephens, CPPO, CPPB, El Paso County Contracts & Procurement Division, 15 E. Vermijo Ave., Colorado Springs, CO 80903; phone: 719-520-6772; email: mattstephens@elpasoco.com via email prior to the submission deadline. This Notice of Proposed Sole Source is not open for competitive bidding. If comments are received, the County may issue a competitive solicitation at a future date. The County reserves the right to reject any or all comments received for this notice.

**Modifications:** If any modifications to this Notice or any subsequent solicitation are issued, they will be posted at this same site.

**Background:**

Currently, re-striping operations require 2-3 operators onboard the striper truck to perform the task while manually monitoring and applying new stripping. The goal is to obtain new technologies that automate the process by automatically applying new markings over existing worn ones with greater accuracy and speed.

**Outcomes:**

Procure a system for the County’s striper truck that utilizes latest technologies and onboard systems allowing us to reduce the personnel necessary to perform the operation and increase the number of lane miles that can be covered in a single shift.