

## 1. GENERAL

Perform all work in accordance with all manufacturer's specifications, applicable codes, local ordinances, and requirements of Lake County.

**The Contractor shall provide all required labor, material, permits, local and state inspections to provide a 100% completed project.**

## 2. PURPOSE

The purpose of this solicitation is to select a contractor to install epoxy coatings on the concrete floors at Lake County Animal Control.

## 3. DESCRIPTION OF WORK

- Prep concrete flooring as required and install "Stonhard" two component epoxy system, or equivalent equal.
- Epoxy coating to match recently installed coatings in other areas.
- All coating work shall be done in strict accordance with the coating manufacturer's recommendations.
- Mechanically prepare all surfaces to receive coating with a "blastrac machine," or equivalent equal, removing all existing paint, laitance, oil, grease, and dirt, debris, rust, scale, and all foreign matter from surface and provide a mechanical profile for surface bonding.
- Do not apply coatings until substrates are free of conditions that will inhibit proper coating adhesion or appearance.
- Ensure substrates' moisture content is within tolerances recommended by paint manufacturer prior to application of paint.
- Paint shall only be applied when environmental conditions recommended by the manufacturer are met.
- All surfaces to be painted shall be prepared in a workmanlike manner with the objective of obtaining a clean dry surface free from dust, dirt, debris, rust, scale, and all foreign matter. No surface shall be painted before the surface meets the requirements of the paint manufacturer.
- All surfaces shall be patched, sanded, repaired etc. as needed to achieve a finished product free of imperfections.

## 4. COATING PHYSICAL CHARACTERISTICS

- Compressive Strength . . . . .10,000 psi  
(ASTM C-579) after 7 days
- Tensile Strength . . . . .2,000 psi  
(ASTM C-307)
- Flexural Strength . . . . .4,300 psi  
(ASTM C-580)
- Flexural Modulus of Elasticity . . . . .2.0 x 10<sup>6</sup> psi  
(ASTM C-580)
- Hardness . . . . .85 to 90  
(ASTM D-2240, Shore D)
- Bond Strength . . . . .>400 psi  
(ASTM D-7234) (100% concrete failure)
- Impact Resistance . . . . .>160 in./lbs.  
(ASTM D-2794)
- Abrasion Resistance . . . . .0.06 gm max. weight loss

- (ASTM D-4060, CS-17)
- Coefficient of Friction (Dry) . . . . .Standard Texture >1.0  
(ASTM F-1679 Medium Texture 0.96)
- Slip Resistance Index (Wet) . . . . .Standard Texture >1.0  
(ASTM F-1679) Medium Texture 0.93
- Flammability . . . . .Class 1  
(ASTM E-648)
- Thermal Coefficient of  
Linear Expansion . . . . .1.8 x 10-5 mm/mm°C  
(ASTM C-531)
- Water Absorption . . . . .0.1%  
(ASTM C-413)
- Heat Resistance Limitation . . . . .140°F/60°C  
(for continuous exposure)  
200°F/93°C (for intermittent spills)
- Cure Rate . . . . .12 hours for foot traffic  
(@ 77°F/25°C) 24 hours for normal operations

**5. METHOD OF PAYMENT**

The Contractor shall submit their invoice to **Facilities Development and Management, 32400 C.R. 473 Leesburg, FL 34788**, after all work has been completed. In addition to the general invoice requirements set forth below, the invoice shall reference the specific work element for which billing has been initiated and include a copy of the acceptance document that was signed by an authorized representative of the County at the time the specific work element was accepted. Submittal of the invoice shall not exceed thirty (30) calendar days from the delivery of the goods or services. Under no circumstances shall the invoices be submitted to the County in advance of the work being completed or delivery and acceptance of the items.

All invoices shall contain the contract and/or purchase order number, date and location of delivery or service, and confirmation of acceptance of the goods or services by the appropriate County representative. The Contractor shall also submit with their invoice a completed “Certification of Payment to Subcontractors and Suppliers” form. Failure to submit invoices and certification form in the prescribed manner will delay payment, and the Contractor may be considered in default of contract. Payments shall be tendered in accordance with the Florida Prompt Payment Act, Part VII, Chapter 218, Florida Statutes.

**6. BUSINESS HOURS OF OPERATION**

All work is to be performed after regular County working hours. Regular working hours are Monday through Friday, 8:00 A.M. to 5:00 P.M. At no time shall the Contractor’s work interfere with the day-to-day operation of the County’s facilities.

**7. REPAIR**

The Contractor shall repair any areas of the site damaged as a result of the work. This includes, but is not limited to, sod, trees, plants, sidewalks, curbing, parking lot, irrigation, etc. All repairs are to be made using like materials.

**8. CLEAN-UP**

All unusable materials and debris shall be removed from the premises at the end of each workday, and disposed of in an appropriate manner. Upon final completion, the Contractor shall thoroughly clean up all areas where work has been involved as mutually agreed with the County’s Project Manager.

## **9. COMPLIANCE WITH FEDERAL STANDARDS**

All items to be purchased under this contract shall be in accordance with all governmental standards, to include, but not be limited to, those issued by the Occupational Safety and Health Administration (OSHA), the National Institute of Occupational Safety Hazards (NIOSH), and the National Fire Protection Association (NFPA).

## **10. LABOR, EQUIPMENT, & MATERIALS SHALL BE SUPPLIED BY THE CONTRACTOR**

Unless otherwise stated in this solicitation the Contractor shall furnish all labor, equipment, and materials necessary for satisfactory contract performance. When not specifically identified in the technical specifications, such materials and equipment shall be of a suitable type and grade for the purpose. All material, workmanship, and equipment shall be subject to the inspection and approval of the County's Project Manager.

## **11. QUANTITIES**

No guarantee is expressed or implied as to quantities or dollar amounts that will be used for this project. In no event shall Lake County be liable for payments in excess of the amount due for quantities of goods or services actually ordered.

## **12. WARRANTY**

The Contractor shall provide a **one (1) year warranty** on all material and labor. The Contractor shall be responsible for registering all required materials with the manufacturer and shall provide documentation verifying that registration has been completed. Defects shall be made good promptly, within the warranty period.