

# ***PROJECT SPECIFICATIONS***

## **2025 PARKING LOT IMPROVEMENT PROJECT**

### **1. PURPOSE**

The purpose of this solicitation is to select a Contractor to make parking lot repairs including, crack seal, asphalt resurfacing, full-depth concrete paving, paint striping, removal and re-installation of existing parking blocks, and installation of all required ADA signage and striping of the parking lots as listed in the plans.

**Note:** The Contractor shall be responsible for blocking/barricading the parking lot prior to, during, and after all work. Blocking/barricading shall remain in place until all areas are fully cured and able to receive vehicular traffic. Work shall be scheduled to ensure that the parking lot is reopened and ready for use prior to the next regular business day. The Contractor shall coordinate with the Fairfield County Facilities Department so that they can communicate with the various County staff that will be affected by the work.

**The Contractor shall provide all required labor, material, maintenance of traffic (MOT), local and state inspections to provide a 100% completed project**

### **2. SUBMITTALS TO BE PROVIDED PRIOR TO CONSTRUCTION**

The Contractor will be contacted prior to bid award and shall submit electronically the manufacturer's specification sheets and suggested installation procedures for the products that the Contractor intends to use. Products to include, but are not limited to, crack seal, blotting material, herbicide, asphalt job mix formula (JMF), and asphalt emulsion seal coat. The Contractor shall also submit a copy of their warranty documenting at minimum the items and details listed in Section 20.

### **3. REFERENCES**

All reference standards and specifications shall be the current issue or latest revision on the notice to proceed issue date.

- ASTM D5329: Standard Test Method for Sealants and Fillers, Hot Applied, For Joints and Cracks in Asphaltic and Portland Cement Concrete Pavements.
- ASTM D3111: Standard Test Method for Flexibility Determination of Hot-Melt Adhesives by Mandrel Bend Test Method.
- ASTM D113-99: Standard Test Method for Ductility of Bituminous Materials.
- ASTM D2669: Standard Test Method for Apparent Viscosity of Petroleum Waxes Compounded with Additives (Hot Melts).
- ASTM D4: Standard Test Method for Bitumen Content.
- ASTM D6690: Standard Specification for Joint and Crack Sealants, Hot Applied, for Concrete and Asphalt Pavements.
- All pavements marking work shall be performed in accordance with the requirements of the latest edition of the Ohio Department of Transportation standards including but not limited to Construction Material Specifications 2019, and the latest edition of the Manual of Uniform Traffic Control Devices.

#### **4. DESCRIPTION OF WORK**

##### **VEGETATION REMOVAL**

Vegetation growing through the surface of driveways or parking lots that are being prepared for crack sealing &/or resurfacing shall be removed and sterilized by the use of a propane torch unit eliminating all vegetation, dirt, moisture and seeds. At the option of the vendor, a herbicide may be applied prior to the surface treatment application. This shall be applied far enough ahead of the surface treatment application to sufficiently give the vegetation enough time to properly brown so that when completing the final sweeping before surface treatment no vegetation is left. The method of removal is subject to the approval of the County Facilities Manager.

If a chemical herbicide is used, it shall be applied according to the manufacturer's specifications. The vegetation shall be totally browned before the crack seal and the seal coating is installed. A log of all herbicides shall be kept, and a copy shall be supplied to the County Facilities Manager. This log shall contain the following information:

- a. The type of herbicide
- b. The manufacture of the product
- c. The mixture rate used
- d. The application rate used
- e. The application location
- f. The application date and time
- g. The weather conditions at the time of the application

##### **POTHOLE REPAIR**

All potholes or fractured areas shall be repaired before asphalt resurfacing, or the crack seal is applied. The Contractor shall saw cut the existing asphalt a minimum of 6" past the broken-down area and associated cracking in all directions. All saw cuts shall be performed to leave only square or rectangular shaped repairs. Any jagged or misshaped repairs shall be rejected and replaced by the Contractor at no additional cost to the County.

The vendor shall remove the asphalt and any loose base material. The area shall be filled with a minimum of 3 inches of ODOT 304 Aggregate Base and 3 inches of ODOT 441 Asphalt Concrete Type I hot mix asphalt. Once the asphalt has been properly compacted, the final result of the installation shall provide even transitions to the existing area and have joints that are not excessive, and a good quality ride is provided. No more than one-quarter (1/4) inch difference in height shall be allowed for the transition between the patch area and the adjacent area.

##### **ASPHALT RESURFACING**

For those areas designated to receive asphalt resurfacing, the contractor shall place a minimum of 1.5 inches as indicated on the plans of ODOT 441 Type I asphalt. The asphalt may be performed with a ½ inch leveling course and then a 1-inch final course. Where the resurfacing meets existing asphalts or sidewalks the existing asphalt shall be milled to allow for a smooth transition between the existing surface and the newly placed asphalt. Contractor to apply 0.09 gal / SY of ODOT Item 407 Tack Coat prior to paving.

### FULL-DEPTH ASPHALT PAVEMENT

This item will be paid using unit prices as outlined in Reference #2 of the Bid Form. Estimated quantity of 600 SY for bidding purposes only. Actual area and quantity to be determined by Owner. In areas designated to receive full-depth asphalt paving, the existing asphalt, concrete pavement, or grass areas shall be removed and replaced as follows:

- A. Sawcut designated area.
- B. Remove existing materials to a depth of 9.5" from finished pavement.
- C. Regrade and compact subgrade.
- D. Provide 6" minimum compacted granular base, ODOT Item 304
- E. Provide 2" minimum asphalt base course, ODOT Item 301
- F. Provide Tack Coat, ODOT Item 407
- G. Provide 1.5" surface course, Type 1 asphalt, ODOT Item 441

### STRIPING

#### 1. Paint Striping:

Paint striping shall be installed to match existing except that accessible parking spaces shall be installed to meet most current ADA requirements. Van accessible spot(s) shall be installed per ADA requirements. All work shall be performed in accordance with the requirements of the latest edition, at the time the work request is issued to the Contractor, of the Ohio Department of Transportation Construction and Material Specifications 2019 Item 642 Traffic Paint.

#### 2. Curb Block Painting

Painted curb blocks shall be re-painted to match existing and in accessible spaces shall be painted blue. Painted existing curbs shall be painted to match existing. If not currently painted, then do not paint.

### CONCRETE CURB BLOCKS

The contractor to remove and reset all existing curb blocks after work is completed.

### SIGNAGE

Re-Install all current ADA parking space signage to include all required van accessible parking space(s). All current ADA requirements shall be met.

## **5. LABOR, FUEL, EQUIPMENT, & MATERIALS SHALL BE SUPPLIED BY CONTRACTOR**

Unless otherwise stated in this solicitation the Contractor shall furnish all labor, fuel, 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 Facilities Manager.

## **6. BUSINESS HOURS OF OPERATION**

All work is to be performed after regular County working hours unless coordination with the County allows for the work to be completed during working hours.

## **7. WARRANTY**

All work performed under this contract shall be warranted for a minimum period of ONE (1) years for the materials and labor from the completion of the project and acceptance by the County.

The Contractor shall provide a written warranty that includes, but is not limited to, statements that warrant against the following:

1. The sealer losing its protection value or fading
2. The coating flaking, chipping, or suffering a loss of adhesion
3. Abnormal wear

In the event that any of the listed deficiencies occur within the warranty period the Contractor will recoat with the specified material the affected area at no cost to the County.

It is the Contractor's responsibility to supply all material, labor, equipment and expertise to perform warranty work at no additional cost to the County. The Contractor shall provide the County with certification that all materials, mixtures, and workmanship meet or exceed the requirements specified herein. The Contractor shall complete all warranty repairs and permanent replacement as directed by the County, maintaining traffic control as specified herein. The Contractor shall repair said areas within thirty (30) calendar days from notification by the County.

In the event of any failure of the repaired area, in accordance with the performance criteria herein, the County and the Contractor will determine if the failure is due to the materials or workmanship being at fault. If the failure is due to the materials or workmanship being at fault, the Contractor shall notify the Owner immediately.