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| Include in NPS and BLM projects funded by the Great American Outdoors Act. Verify with the Project Manager |

**Section 503 – CONCRETE PAVEMENT WARRANTY**

**Description**

**503.01** This work consists of providing a warranty for concrete pavement.

**Construction Requirements**

**503.02 General.** Follow the requirements of FAR Clause 52.246-21 Warranty of Construction, as amended.

**503.03** **Warranty Requirement.** A 1-year warranty is required on all concrete pavement items. The 1-year time period begins from the point of final acceptance. All warranty work items will be repaired at no additional cost to the Government. Table 503-1 contains warranty criteria information.

**(a) Warranty Criteria.**

**Table 503-1**

**Evaluation Method**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Warranty Indicator** | **Threshold/Description/Severity** | **Initial Identification** | **Evaluation Methods (B)(C)** | **Potential Remedial Action** |
| *Cracking(A)* | All cracking including corner cracks, longitudinal & transverse cracks, and durability cracking. | Visual | Measure and document crack type, width, and lengths.  | Remove and replace cracked slab(s) |
| *Spalling* | Breaking, chipping, or fraying of slab edge, 2-inch or greater width | Visual | Measure and document the spall locations widths, and lengths | Work with CO to determine extent of repair and remediation needed. Remediation will be dependent on the extent and severity of spalling. |
| *Surface Defects* | Includes the following:1)Popouts - pieces of pavement broken loose from the surface with a diameter of greater than 2 inches and a depth greater than 0.5 inch.2) Scaling - deterioration of the upper concrete slab surface including loss of surface mortar and aggregate. | Visual | Confirm initially survey findings by measurement and visual observations. Document locations and quantity of distress exceeding threshold requirements.  | Work with CO to determine extent of repair and remediation needed. Remediation will be dependent on the extent and severity of distress. |
| Faulting / Dropoff | Difference in elevation across a joint exceeding 0.5 inch | Visual | Measure using a faultmeter. Take as many measurements as needed to properly characterize the distress location. | Remove and replace distressed slabs including correction of the cause of faulting/dropoff. |
| (A) Longitudinal and transverse joints will not be considered cracks.  |
| (B) Detailed pavement evaluation completed if need is identified during initial condition survey. |
| (C) Measure using methodologies in FHWA-HRT-13-092 (Rev May 2014) |

**(b) Determination.** The CO will make a determination on conditions exceeding contract threshold values requiring remedial action and notify the Contractor. During the warranty period, the Contractor may monitor the project using nondestructive methods and may participate with the CO in the field evaluation(s) upon request.

**503.04 Remedial Work.** Submit a remedial action plan within 15 days of notification of the determination by the CO. Begin remedial work within 30 calendar days of approval by the CO. Complete all work within 90 days of notification of the determination unless otherwise approved.

Notify the CO in writing prior to beginning any remedial work. Complete remedial work according the specifications for that work item and as approved by CO. Submit a traffic control plan and provide temporary traffic control during the remedial work according to Sections 156 and 635. If remedial work necessitates a corrective action to pavement markings, adjacent lane(s), roadway shoulders, or other affected Contract work, perform these corrective actions as part of the remedial action. Complete all remedial work as approved by the CO.

**503.05 Acceptance.** The CO will provide written acceptance of the warranted construction upon expiration of the warranty period or satisfactory completion of any required remedial actions, whichever is later.

**Measurement**

**503.06** Do not measure warranty remediation for payment.

**Payment**

**503.07** No payment will be made for costs associated with warranty remediation.