



## **CONSTRUCTION SERVICES STANDARD**

### INSTALLATION OF NEW BITUMINOUS CONCRETE PAVING

***The following standards apply to all properties that are financed by MaineHousing. Paved areas within the subject property that are deemed in need of new bituminous concrete paving will be required to follow the standards listed below:***

1. Prior to the laying of the new bituminous concrete paving(pavement) the existing paving will be required to be removed completely. All exposed gravel base material shall be inspected for contamination by silts or other foreign, deleterious material. Any contaminated base will be required to be removed down to clean, sound material. The use of a Geotextile fabric is strongly recommended in heavy traffic areas that have a history of pavement failure. The removed material shall be replaced with aggregate base material as per M.D.O.T. Sec. 703.06 Type A. All new material shall be evenly spread in lifts not to exceed eight (8") inches in depth and compacted in place to a minimum of 95% of the maximum density as per ASTM D1557. The minimum total base thickness shall be as follows:  
18" for Roadways and Parking Areas  
12" for Walkways and Ramps
2. The minimum compacted thickness and mix design for the pavement courses shall be as follows:
  - a. Binder Course - 2" thick meeting the requirements of MDOT 703.09 type B
  - b. Surface Course - 1" thick meeting the requirements of MDOT 703.09 type D
3. Where new pavement matches to existing, care shall be taken to insure proper binding of the two materials. Utilize an asphalt binding paint as required. Existing and new surfaces shall meet in a smooth continuous plane free from variations in height or smoothness. Clean and treat all areas thoroughly prior to installation.
4. The temperature of the pavement mix shall be regulated to ensure that at the time of spreading the mix is between 250-degrees F and 300-degrees F. Pavement having temperatures outside of the specified temperature range when dumped into the spreader will be rejected.
5. The mixture will need to be thoroughly compacted by rolling. Rolling to begin as soon as the placement of the mixture will bear the roller without undue displacement. Delays in rolling freshly spread mixture will not be acceptable.
6. Any Contractors working on the premises shall be required to have during the full term of the Contract the proper insurance's as specified by the Owner to ensure that the Owner is protected from any and all liability and damage, whether willful or not, resulting from negligence, error, or omission on the part of the Contractor or any subcontractor engaged by the Contractor.
7. The construction of the new pavement shall be carried on only when the surface on which the mix is to be placed is dry, and when the surface temperature of the underlying course is greater than 45 degrees F

for course thickness' greater than one-inch and 55 degrees F for course thickness' one-inch or less. Do not place pavement after sunset or before sunrise.

8. It shall be the Contractor's responsibility to prohibit vehicular traffic, including heavy equipment, from traveling upon the pavement until the surface temperature has cooled to 120-degrees F. Surface temperatures shall be measured by approved surface thermometers or equal.
9. The Contractor shall expressly represent, warrant, and agree that all goods, equipment, machinery materials, services or work provided or performed relative to this contract will:
  - a. Conform in all respects to the specifications in the Contract.
  - b. Be fit for the purpose or purposes of intended use.
  - c. Conform to all applicable Federal, State, and Local laws and regulations.
  - d. Be new, of good workmanship, of materials best suited for the intended purposes, and free from defects of any kind of nature whatsoever.
  - e. If the material, service, or work is found to be defective or found to be nonconforming with Federal, State, or Local regulations or with the conditions of the Contract within twelve (12) months after the work is completed and accepted, it shall be repaired or replaced by the Contractor at absolutely no cost to the Owner.

Seen and Agreed to:

Owner/Manager: \_\_\_\_\_ Date:\_\_\_\_\_

Contractor: \_\_\_\_\_ Date:\_\_\_\_\_