

32 10 00 Bases, Ballasts and Paving

Revision 01/04/2019

Purpose:

The Architect and/or Engineer shall incorporate the Rice specific requirements indicated in this standard's section into their design. The Architect and/or Engineer shall further produce project specifications in line with industry standards that are updated to reflect these Rice specific requirements.

1. General Requirements

- a. Roads, Driveways
 - i. Pavement shall be a minimum of 2" thick asphalt compressed to 1 ½" thick over a **7" reinforced** concrete base and an 8" cement stabilized sub-base.
 - ii. Localized patching shall match surround design. Coordinate through Rice Project Manager to match existing.
- b. Parking Lots
 - i. Pavement shall be a minimum of 2" thick asphalt compressed to 1 ½" thick over a **6" crushed** concrete base and an 8" cement stabilized sub-base.
 - ii. Localized patching shall match surround design. Coordinate through Rice Project Manager to match existing.
- c. Asphalt shall be 100% type D asphalt.

2. Materials Reuse and Recycling

- a. Pavement removed from roads, driveways, and parking lots shall be reused on-site or recycled. Documentation of the quantity of recycled materials as measured either by weight or volume shall be provided to the Rice Project Manager as well as the Rice Sustainability Director. Pavement materials reused directly on-site to constitute new paving materials are exempt from reporting quantities (either weight or volume) reused.

3. Urban Heat Island Effect

- a. For new construction, the design team shall present strategies to reduce contributions to localized increased air temperatures due to pavement heat absorption (the "urban heat island effect") and make recommendations to the Rice Project Manager for consideration by 100% Design Development.