Guidance: Specifications for Alternative Asphalt Paving

Alternative Asphalt Paving is an economical form of asphalt DES has approved to assist landowners with the expense of traditional paving. It may not work for all landowners, depending on their use of the property; therefore, it is important to complete the preparation and application process in accordance with the instructions below. If subgrade and base material preparation are not completed correctly, the method may fail; if the wrong type or amount of MC-10 or AC-10 bituminous prime coat/fog-seal product is applied, the method may fail. The site will then not meet Division of Air Quality standards for compliance. For these reasons, we recommend using a licensed contractor knowledgeable in grading, asphalt preparation, and prime coat application.

Alternative Asphalt Paving is approved for use on storage yards and parking lots associated with businesses (such as construction companies) that require paved storage and parking areas. It is also approved for parking lots used temporarily for special events. It is not approved for commercial use in areas where the public has access or is allowed to park their vehicles.

Owners who choose to use alternative asphalt paving must have written approval from DAQ before starting the process, and must maintain the paving to the specifications and maintenance requirements in this guidance. In situations where alternative asphalt paving is not suitable, owners will be required to use traditional hot asphalt concrete or concrete with a minimum base of 2 inches.

A. Preparation and Application

1. Prepare the subgrade to be as smooth, level, and compacted as necessary to produce an unyielding soil condition.

2. Place a three- to four-inch lift of Aggregate Base (AB) or a Recycled Asphalt/Concrete Paving (RAP) product on the prepared, moisture-conditioned, compacted subgrade.
   a. The AB or RAP materials must have no more than 6% of fines (materials passing the No. 200 sieve) and no materials larger than 1.5” in nominal size.
   b. The AB or RAP shall be smoothed, leveled, moisture-conditioned, and compacted as necessary to produce a firm and unyielding condition.

3. Stabilize the surface of the placed and compacted AB/RAP and seal with an MC-10 or AC-10 bituminous prime coat/fog-seal product. Calculate the rate at which the MC-10 or AC-10 is applied by multiplying the square yards of affected area by 0.3, then dividing by 240. The calculation will give the required amount of prime coat/fog seal product in gallons per ton.

The finished product should give an appearance of traditional hot asphalt concrete.
B. **Maintenance**

Maintain the Alternative Asphalt Pavement to the specifications listed in the preparation and application procedure.

Any worn or damaged areas require immediate repair. The paving must be maintained in a sealed condition using MC-10 or AC-10 bituminous prime coat/fog-seal product.