

**State of Illinois
Department of Transportation
Bureau of Local Roads and Streets**

**SPECIAL PROVISION
FOR
ROAD MIX OR TRAVELING PLANT MIX EQUIPMENT**

Effective: January 1, 2007

All references to Sections or Articles in this special provision shall be construed to mean specific Section or Article of the Standard Specifications for Road and Bridge Construction, adopted by the Department of Transportation.

Replace Article 1102.02 with the following:

“1102.02 Traveling Plant. The traveling plant shall meet the approval of the Engineer. It shall be self-propelled and capable of maintaining a uniform rate of travel while mixing. It shall be mounted on pneumatic-tired wheels or smooth tread crawler tracks of such width that the base will not be rutted or damaged when the plant is loaded to capacity. The plant shall have a capacity of not less than 230 cu m (300 cu. yd.) of mixed material per eight hour day, and shall be so designed and constructed that it will pick up all of the aggregate cleanly from the windrow without damaging the base. It shall measure accurately and mix thoroughly the bituminous material and aggregate, and deposit the mixture in a uniform windrow or in a manner satisfactory to the Engineer. The plant shall be equipped with insulated storage tanks containing heaters, and the storage tanks shall have a capacity sufficient to ensure continuous operation. Positive acting devices for accurately adjusting and controlling the feed of the aggregate and bituminous material shall be placed conveniently within the operator's reach. The plant shall be equipped with the necessary instruments for determining the quantity of bituminous material going into the mix during any given time, and a thermometer for indicating the temperature of the bituminous material at the time of mixing.”

Replace Article 1102.06 with the following:

“1102.06 Road Mixer. The bituminous paving mixer shall be mounted on pneumatic-tired wheels and shall consist of at least six delivery mold boards, two distribution blades and a strike off blade. All delivery mold boards shall be set at 45 or 135 degree angles to the line of travel. At least four mold boards shall be set for inward delivery of the mixture and at least two shall be set for outward delivery. The height of the mold boards shall be at least 530 mm (21 in.). They shall be curved and shall be replaceable. The two distribution blades shall be curved and their height shall be at least 530 mm (21 in.). They shall be placed between the delivery mold boards and the strike off blade. The strike off blade shall be set at a right angle to the line of travel. It shall be flat, the height shall be not less than 530 mm (21 in.), the length shall be 3 to 3.6 m (10 to 12 ft), and it shall be equipped with adjustable end gates capable of placing the mixture upon the base in layers 2.1 to 3 m (7 to 10 ft) wide, and to the desired cross section and crown.”

Replace Article 1102.08 with the following:

“1102.08 Drag. The drag shall be a broom drag of a design approved by the Engineer. It shall be not less than 5 m (16 ft) in length and not less than 1.8 m (6 ft) in width. It shall have at least

two transverse and two diagonal rows of brooms. Other types of drags may be used upon approval of the Engineer.

Replace Article 1102.09 with the following:

1102.09 Windrow Evener. The windrow evener shall be of a type approved by the Engineer. It shall be so constructed that a uniform windrow can be obtained. There shall be an adjustable end gate so that the cross section of the windrow can be varied.

Replace Article 1102.10 with the following:

1102.10 Graders. The road grader shall be a self-propelled, pneumatic-tired grader having an end plate attached to the blade. The design of the grader shall meet the approval of the Engineer. It shall be constructed rigidly and be free from worn parts so that no jumping of the blade occurs. It shall be equipped with an oil mix type blade 3.6 to 4.3 m (12 to 14 ft) long, not less than 450 mm (18 in.) high, and shall have sufficient mass (weight) to prevent slipping of the wheels. The blade shall be sufficiently curved so that any coated aggregate working before it shall be cascaded in front of it. The rubber tires shall be of such width that they will not cut materially into the surface.