

Class II Paving grant helpful hints

Received from Ted Domey, VTrans Technical Services Pavement Manager. Aug 2016

Bituminous

Concrete Specify mix is to have a current year State approved mix design. Request a copy of the design.

Pavement:

Mix Designs: 50 Blow Marshall Medium duty mix for roads with an Annual Average Daily Traffic (AADT) of 1800 or less. Tight mix with the most liquid.
75 Blow Marshall Heavier duty mix for roads with AADT between 1801 and 5000. 2 to 4 tenths less liquid and more compaction effort required.
No Superpave mix should be used. Call State if you want help if a contractor proposes using Superpave (802) 595-2513.

Mix designs with 20% or less RAP specify a PG 58-28 and a PG 52-34 for mix design with RAP >20% but less than or equal to 25%
PG 58-28 & PG 52-34 are the technical terms for the black liquid used to hold the mix together.

Mix sizes: Use a 1 inch (Type I) or 3/4 inch (Type II) mix for base or sub-base courses
Use a 1/2 inch (Type III) or 3/8 inch (Type IV) mix for surface courses

for compacted surface depths of 1 inch or less Specify a Type IV (3/8 inch) - 50 Blow Marshall

Minimum Equipment necessary for types of Paving:

All Paving: Paver (8 to 18 feet capability) *Includes operator, 2 screed persons and laborer*
Breakdown Roller - Vibratory (12 ton min.) *Includes operator*
Pneumatic tired roller - (12 ton min.) *Includes operator*
Finish Roller - (10 ton min.) *Includes operator*
Mechanical broom or sweeper *May be laborer or*
Bobcat or skid steer with milling head *roller operator*
Emulsion Distributor *Includes operator*
Haul trucks w/tarps of sufficient quantity to provide for continuous paving. *Includes drivers*
Contractor to supply a certified hot mix test every 500 ton of production to verify against mix design.

Cold Planing: Mechanical- self propelled Cold Planer *Includes operator and two ground persons*
Vacuum Sweeper truck *Includes operator*

Reclaiming: Self propelled reclaimer capable of min depth of 8 inch reclaiming *Includes operator and two ground persons*
Grader *Includes operator*
Sheeps-foot roller - 15 ton minimum and vibrate capability *Includes operator*
Dirt roller 12 to 15 ton *Includes operator*
Water Truck *Includes operator*