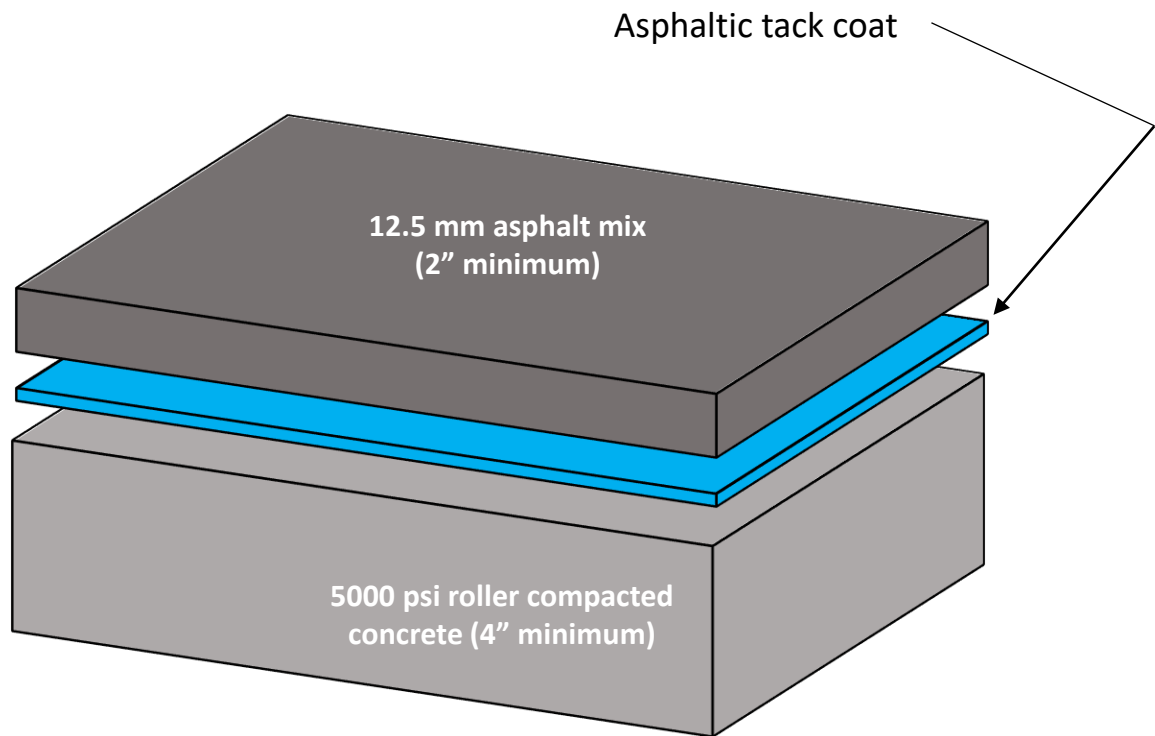


# COMPOSITE PAVING SYSTEM



*Reduce paving costs by replacing asphalt base mix with roller compacted concrete.*



New Enterprise Stone & Lime Co., Inc.

# COMPOSITE PAVING SYSTEM

## WHAT IS THE COMPOSITE PAVING SYSTEM?

Asphalt, roller compacted concrete, and a tack coat comprise the Composite Paving System.

## WHY USE THE COMPOSITE PAVING SYSTEM?

The Composite Paving System provides both performance and cost advantages. It delivers the strength of concrete with the appearance and rideability of asphalt. The use of roller compacted concrete in the system also offers significant cost savings as escalating oil prices increase the price of asphalt.

## WHAT IS ROLLER COMPACTED CONCRETE (RCC)?

Roller compacted concrete was originally developed in the 1970's to provide a low-cost, high-performance pavement option for Canadian lumber mills. It consists of coarse and fine aggregate, cement, water, and admixtures just like conventional concrete. However, it requires greatly reduced water content and has aggregate proportions very similar to conventional asphalt. RCC is plant mixed, transported in dump trucks, placed with an asphalt paver and compacted using the same rollers as are used with asphalt. While its appearance is often compared to "white asphalt", once compacted, it performs like conventional concrete. Though it is produced in a concrete plant, it is often sold by the ton like asphalt.

## WHICH NESL PLANTS CAN PROVIDE ROLLER COMPACTED CONCRETE?

Roller compacted concrete is only produced at central mix plant locations where the material can be mixed onsite prior to discharge into a triaxial truck. NESL central mix plants are located at:

- ❖ Ashcom (Bedford area)
- ❖ Roaring Spring (Altoona area)
- ❖ Tyrone
- ❖ Chambersburg
- ❖ Shippensburg
- ❖ Denver (Lancaster area)
- ❖ Allentown
- ❖ Leesport (Reading area)

❖ **MORE INFORMATION** – For additional information on the Composite Paving System, contact Mark Moyer, Technical Services Manager at 814.224.6870



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