

Pavement Overlay Application

Each year the Town of Danville performs pavement overlay for several Town streets. The streets to be overlaid are selected based on the condition of the pavement identified by the Town's [Pavement Management Program](#) and are grouped into neighborhoods for efficient application. Over the years, streets have been overlaid in many neighborhoods throughout the Town.

Preventative

Pavement overlay is a paving method of applying a new layer of asphalt to a deteriorating surface. Rather than tearing up an old asphalt surface entirely, an asphalt overlay project will use the existing layers as a base for the new asphalt pavement. Some asphalt surfaces with severe damage like rutting, potholes, large cracks, and expansions will need to be milled before an overlay is applied.

Asphalt Assessment

Not all existing asphalt surfaces are suitable for asphalt overlay. If an asphalt surface has extensive structural damage such as large potholes, root damage, or ruts in the surface, it will need to be ripped up. Asphalt surfaces that are not draining water correctly may also not be suitable for asphalt overlay because the surface may need to be regraded to handle water more effectively.

Asphalt Milling

Asphalt milling will remove the top layer of an asphalt surface that has taken on cracks, raveling, or other damage. The old layer that has sustained damage must be removed to ensure an even bond when the new asphalt is applied, and to maintain a level surface. An asphalt milling machine will grind down 1" to 3" depending on the wear of the asphalt surface. The ground surface material will be hauled to an asphalt recycling plant where it can be integrated into new asphalt mix designs.

Base Repair

The base of an asphalt surface may need to be replaced in areas where potholes, rutting, and sinking have formed. In order to make sure a severe problem will not form again the base of the asphalt surface will be rebuilt using multiple lifts of aggregate and asphalt.

Pave Surface

Once the existing asphalt surface has been prepared, the asphalt overlay can be paved on top of the surface. The amount of asphalt overlay applied to the surface will vary depending on the thickness of the existing surface, but typically will be within 1" to 3" thick.

Preparation

Three days prior to the pavement overlay application, Town personnel will knock on the door of each affected residence and distribute a flyer with information about temporary restrictions to on-

street parking and driving on the newly paved roadway. If you are not home when Town personnel come to your home, they will leave the informational flyer at your door.

During Overlay Application

Town personnel will address questions or concerns from residents during the time the pavement overlay operation. They will be able to tell you the order in which your street will be completed and have maps to show you where you can park your car outside of the project area.

Safety Reminder

It is vital for everyone's safety that you do not drive, walk (including your pets) or bicycle on the newly paved streets. Please stay off the street until it has been determined by Town personnel that the streets are safe to drive on and have opened the streets to traffic. Remember that during the paving process, the street is closed and there will be Town and contractor personnel working in the street-any unexpected traffic is very dangerous and puts their safety at risk.