



THE ANATOMY of a patch

WHAT EXACTLY IS AN ASPHALT PATCH?

An asphalt patch is commonly referred to as asphalt repair. Asphalt Repair is the process of patching or repairing an area of pavement that is fractured or broken. Repairs can be done in the form of Surface Patching, which is a neatly squared off patch that is placed in the pothole and on top of the surrounding pavement - and properly edge sealed. Another form of Asphalt Repair is Mill Patching. This is the process of using a mill machine to grind the existing asphalt to the proper depth and replacing with hot mix asphalt, compacting to a maximum density and properly sealing all edges. A third form of Asphalt Repair would be a Full Depth Repair. This is when the area to be repaired is dug out with a backhoe, excavator or saw cut and dug out by hand, typically to the existing base.



WHAT IS THE ANATOMY OR MAKE UP OF AN ASPHALT PATCH?



A Surface Patch is cleaned and then tacked for adhesion, with an SS-1 Emulsion tack. Then asphalt is placed in the hole and the surrounding areas, and then compacted to maximum density to form the patch or repair. Edge sealing can then be done to ease transitions and prevent moisture penetration.



THE MAKE UP OF A MILL PATCH REPAIR:

A Mill Patch is milled (typically 2 inches) cleaned (with mechanical broom) and then tacked for adhesion, with an SS-1 Emulsion tack. Then asphalt is placed in the hole and made flush with the existing pavement, and then compacted to maximum density to form the patch or repair. Edge sealing can then be done to ease transitions and prevent moisture penetration.



Mill patching is typically done when a client does not want to have any transitions that are inconsistent with the rest of the pavement. Because a mill patch is flush with the existing asphalt, the transition from new to old is nearly seamless in nature.



FULL DEPTH REPAIR:

Full depth repair is the digging out of the existing asphalt, to the stone (sometimes more) and putting back new stone, base asphalt and surface course asphalt in lifts. Each lift is compacted before the new one is installed. Once the repaired area is flush with the original or existing pavement, edge sealing will smooth transitions and prevent moisture penetration.

