

Hot Mix Asphalt Concrete Resurfacing

Hot Mix Asphalt Concrete Resurfacing (otherwise known as a HMAC overlay) - HMAC overlay is a mixture of asphalt concrete and aggregate used to restore surface course characteristics (such as smoothness, frictions, and aesthetics). The asphalt mixture is heated, applied to the roadway surface, and then compacted. The end result is a new, smooth, watertight, flexible wearing surface. Generally, an overlay is applied to a street when [slurry seal](#), [Microsurfacing](#), or a [cape seal](#) cannot be used. An overlay is designed to provide a new wearing surface that can withstand increased usage and loading. Therefore, an overlay is generally applied to arterial streets with higher volume traffic. The application of an overlay is about 10 to 20 times more than the cost of a slurry seal. An overlay resets the service life of a street to 20+ years.

Construction process:

1. Pavement failure areas will be dug out and repaired.
2. If the existing street surface is distorted in certain areas, a leveling course will be applied to the street to restore proper line and cross-section.
3. Street cracks will be cleared of vegetation and debris. The cracks will be filled with a crack sealant to prevent water intrusion.
4. Wedge grinding at the lip of gutter and conform grinding at the cross streets will then commence to ensure proper pavement conform and transitions at the limits of the paving.
5. 72 hours prior to the overlay process, affected residents/property owners will be notified via written notice by the City's Contractor.
6. On paving day, the street will be thoroughly cleaned/swept. A thin tack coat of asphalt is then applied to ensure uniform and complete adherence of the HMAC overlay. Hot mix asphalt concrete is then applied (at a predetermined thickness) to the street and then compacted with a roller. The new asphalt surface will remain closed for up to 1 to 2 hours to allow the asphalt concrete to cool.
7. Days after the overlay, manholes and other utility valve covers will be adjusted to final grade.
8. Permanent striping will be replaced approximately two weeks after the final surfacing.