

## **Construction Processes:**

**Full Depth Reconstruction** – Grind up existing pavement, and mix with existing base. Re-shape the road profile base to ensure proper drainage. Adjust/rebuild structures (manholes, catch basins, gate valves) as necessary. Re-pave with 2 ½” of binder course blacktop, and 1 ½” of top course blacktop. (Alternatively, may use 3” of recycled binder course blacktop, followed with 1” of top course or 1” micropave.)

**Mill & Pave** – Grind off existing 1 ½” of top course blacktop. Adjust/rebuild structures (manholes, catch basins, gate valves) as necessary. Re-pave with 1 ½” of top course blacktop. Re-pave with 1 ½” of top course blacktop.

**Shim & Chipseal** – Pave a leveling/shim course of blacktop 1”-2” to fill in depressions, cover potholes and may re-shape profile to ensure proper drainage. Adjust/rebuild structures (manholes, catch basins, gate valves) as necessary. Top with chip seal (stone and liquid asphalt mixture) to provide riding surface and seal leveling course. Streets will be re-swept 2-4 weeks after chipseal is put down.

**Chipseal** – Patch existing potholes. Top with chip seal (stone and liquid asphalt mixture) to provide new riding surface and seal existing blacktop. Streets will be re-swept 2-4 weeks after chipseal is put down.

**Hot In-Place Recycling** – Heat and scrape off top 2”-3” of blacktop. Re-mix and immediately put back in place. Seal this recycled surface with 1” top course of either blacktop, chip seal or micropave.

**Micropave** – Patch existing potholes. Top with treatment of stone and liquid polymer solution to seal underlying pavement and provide smooth riding surface.