

- ❖ The County's HMA roads are failing. They will continue to fail at an accelerated rate.
 - The road cores from County Road W14 (pictured below) are typical across the system.
 - 50 Years of under investment in our road system have brought us to the point we are today. We simply cannot milk the legacy left to us by the WWII generation any farther.
 - County pothole patching will continue into late fall to get us back to where we were entering last winter.
 - Yes, last winter was extremely cold and this spring was very wet.
 - Hoping that we don't have a cold winter or a wet spring should not be the County's strategy.



- ❖ **Top Layer:** Multiple chip seals
- ❖ **Second Layer:** Hot Mix Asphalt
 - Typically date from the 60's or 70's
 - Represents our last real investment
- ❖ **Bottom:** Original HMA layer
 - Type and quality vary
- ❖ **Soil-Aggregate Sub-base**
 - Well-constructed
 - Strong until saturated with water

- ❖ Fayette County's HMA roads that have had "normal" investment over their life are performing well. Drive Kornhill Rd / C24, L Ave / W33, or 100th St / C33
- ❖ Unfortunately most of the HMA roads have not had "normal" investment in the last 50-60 years.
 - The core on the left is particularly concerning (and typical):
 - The multiple sealcoats have a very high asphalt content. They are wheel rutting but generally holding together.
 - The 50-60 year old layer below the seal coat is crumbling! This is why the snow plows are peeling up the high points of the road and why in many cases the potholes are not where one would expect them (in the wheel rutted portion of the road) but in the center and along the edges.
- ❖ Reconstruction Strategy:
 - Because the layer below the seal coat and the edges are crumbling, using the interlayer that we are currently using on W51 is not a great option.
 - Turning back to gravel, wastes existing binder and rock invested in the road.
 - Cold In Place (CIP) recycling of the roads is our best option to take advantage of the binder and aggregate already in the road.
 - Roads will be closed to the public during reconstruction longer than an "interlayer option"
 - We will be pushing the boundaries on CIP, but will benefit from a generally good sub-base.