

Memorandum

City of Lawrence

Public Works

TO: Chuck Soules

FROM: Mark Thiel

CC: Steve Lashley, Jacob Barnes, Wayne Hall

Date: 6/21/2011

RE: Memo for city managers report (6/28/2011) on completion of microsurfacing on Clinton Parkway (Wakarusa Dr. west to the round-a-bout)

As part of our annual pavement maintenance program we have increasingly expanded our microsurface program to now include arterials.

Microsurfacing provides a 3/8" rock and oil slurry seal over an existing asphalt street. Generally microsurfacing is reserved to streets that are structurally sound. Meaning they need little or no base repairs. Prior to the incorporation of microsurfacing into our program the City of Lawrence would mill and overlay these types of streets at a much higher cost.

Microsurfacing has proven to be an effective tool in our program as well as saving us money over mill and overlaying these streets. Microsurfacing is approximately \$3.00 per square yard as compared to mill and overlay cost of about \$14.00 per square yard.

For example on this section of Clinton Parkway the city saved \$50,000.00 over the cost to mill and overlay. The attached photos show a before and after of Clinton Parkway. This section of Clinton Parkway was structurally sound with surface cracking and age deteriorations. Microsurfacing should extend the wearing surface of this road 5 to 7 years.

Having microsurfacing in our program has allowed us to maintain more lane miles of streets each year which equates into higher PCI ratings and lower deterioration rates. Not to mention better road appearance and ride for the driving public.



