

memo

Date: July 24, 2023

To: Colleen Riley - Friends of Lake Park
PO Box 71197, Milwaukee, WI 53211-7297

ckreilly@outlook.com

CC:

From: Tim Anheuser

Re: Lake Park - Ravine Road Pavement Review

On June 29, 2023, I field reviewed the condition of the pavement on Ravine Road in Lake Park in Milwaukee, WI. I additionally had a representative from Walbec inspect the pavement.

The pavement looks to be in fair condition with 50-60% residual value remaining and I offer the following professional opinions.

Failure to manage the tree canopy and vegetation on the adjacent slopes has significantly contributed to the failure of the surface course. Under conditions of 90% or more canopy cover, the persistence of moisture on shaded pavements causes deterioration and a decreased service life. Much of the pavement deterioration, however, is only in the surface course and not in the lower asphalt course or in the subsurface.

There is some subsurface failure near the lower flatter portion of the roadway where failure to maintain the curb edge joint has allowed water to infiltrate into the base and resulted in base and curb failure.

With tree trimming and minor maintenance I believe that the roadway could be quickly reopened. I recommend removal of the vegetated understory within 15' of the edge of the roadway, trimming the over-story to open tree canopy, sweeping the roadways, cleaning the inlets, patching the locations of missing surface course, and crack filling. At this time, I recommend reinspection to determine if any full depth

patching needs to be done. I would also recommend that the road be marked “No Trucking.”

After reopening, the pavement should be closely monitored for any further deterioration. If any rutting or surface deterioration develops, I recommend a more extensive rehabilitation consisting of removal and replacement of failed sections of curb and gutter (+/- 10%), remove and replace failed base (+/- 20%) and then 2 inch mill and overlay. I further recommend that regardless of any more deterioration, a similar rehabilitation be done within 3 years to extend the life of the pavement.

After rehabilitation, and with proper maintenance and tree trimming, I do not anticipate that full reconstruction will be necessary for many years.

