

**MEMORANDUM**

To: Gregory Jackson, Village Manager  
Village of Long Grove

Fr: Geoffrey L. Perry, P.E., Village Engineer

Date: March 1, 2022

Re: 2022 Road Maintenance Program  
Revised Road List and Preliminary Cost Estimate  
Village of Long Grove

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Our office has received and reviewed the results of the pavement cores for the 2022 Road Program. Results were as expected for Oak Grove Drive, Oak Grove Circle and Chickamauga Lane; the results do not alter the scope of improvements that were anticipated in our January 19, 2022 memorandum.

One of the pavement cores on Robert Parker Coffin Road, taken near the Route 83 intersection, reveals that the pavement has only 2" aggregate subbase. In review and analysis of the pavement core, this portion of Robert Parker Coffin Road needs to be reconstructed to provide a useful life of 20+ years and carry the anticipated traffic into/out-of the downtown area. The reconstruction of Robert Parker Coffin Road is a different scope than was anticipated. A reconstruction will require additional design and permitting from the state, a road closure and detour.

Our office recommends the reconstruction; however, due to the bid schedule (issuing the project to IDOT for formal approval next week and bids by March 31, 2022), we recommend it be a separate project from the resurfacing of Oak Grove Drive, Oak Grove Circle and Chickamauga Lane.

In review of roadways to replace Robert Parker Coffin Road, various factors were considered including PCI rating, geographic location, and the cost to resurface the roadway. Per our January 19, 2022 memorandum, the cost to resurface Robert Parker Coffin Road was approximately \$132,400 and the roadway had a PCI rating of 8.

Our office recommends adding the resurfacing of Port Clinton Road from Illinois Route 83 to the intersection of Forest Glen to replace Robert Parker Coffin Road; this length is approximately 1850'. Port Clinton Road was scheduled to be resurfaced in FY2025-2026. The majority of Port Clinton Road has a PCI of 12, from Tall Oaks Drive to the east end, and a PCI of 22, from Illinois Route 83 to Tall Oaks Drive. This section has an approximate resurfacing cost of \$127,900. The roadway is in need of repair and the Village completed some emergency patching in this area last year.

As alternates to replace Robert Parker Coffin Road, we reviewed the option to resurface Tribal Court and Arrowhead Road, both located in the Creekside of Long Grove Subdivision. The approximate cost to resurface these streets is \$100,782. Although these roadways have been contemplated for next year, it is our opinion that these roads should remain scheduled for next year's road program as the current PCI of these roadways are 34 and 33 respectively. Note: The \$100,782 does not include Creekside Drive; it is our opinion that resurfacing all roads in Creekside of Long Grove next year.

Our office also reviewed adding Sumter Drive from Schaeffer Road to the east end. As Chickamauga Lane is currently part of the current bid alternate, this would have been geographically advantageous. Sumter Drive has a PCI of 19 and is scheduled to be resurfaced as part of the FY2024-2025 capital improvement plan. However, Sumter Drive is significantly more costly, with an approximate cost of \$219,228, as compared to Robert Parker Coffin Road. Due to cost, we recommend including it in a future annual road resurfacing program.