



To: The Village President and Board of Trustees

From: Chris Dopkins, P.E., Village Engineer

Re: 2024 Pavement Maintenance Program

Date: January 11, 2024

Staff has been working on the 2024 Pavement Maintenance Program, and attached is a map that depicts the proposed improvements which are generally described as follows:

- Edson Road from State Street to the Village's Eastern Corporate Limit: The Village has jurisdiction over approximately ½ mile of Edson on the east side of state. The pavement has deteriorated to the point where staff is concerned that a standard resurfacing would deteriorate very quickly after placement. We are proposing to pulverize the existing pavement in place, and then reuse the pulverized material as base aggregate. A new 2.5" surface will then be placed over the base.
- Bullard Street: Bullard Street between Ray Street will be resurfaced. There are two areas of Bullard Street that require patching ahead of resurfacing.
- Beaverton Road: The Village has jurisdiction of approximately ½ mile of Beaverton Road at various locations. The Township will be resurfacing its section of Beaverton Road so it only makes sense to partner with the Township to resurface the Village's portions concurrently with the Township's project. We foresee the Township being the lead agency and the Village would enter into an memorandum of understanding or intergovernmental cooperation agreement with the Township.
- Whiting Road Shoulders: The shoulders abutting Whiting Road are no longer at the same elevation as the pavement. Additional shoulder material is needed, and we may disk the existing shoulders ahead of placing/compacting the new shoulder aggregate.
- Intersection of Queenann's/Starflower: There concrete curb and gutter that runs through the intersection that has deteriorated and is the source of many complaints. After discussion, it was determined that the preferred course of action is to remove the curb and gutter altogether, and reshape the intersection to facilitate drainage. Sincer there are no inlets in the area we anticipate that a section of Queenann's and/or Starflower will need to be superelevated to facilitate drainage, and depending on the available slope we may end up needing some sort of concrete "ribbon" across the intersection in order to hold grade for the HMA pavement.
- Intersection of Culver Ct. and Waco: The ditches immediately upstream of the Culver Ct. culvert have, and continue to experience erosion. The Public Works Department has re-graded the area in the past and the problem is reoccurring, and we think it's attributable to high velocities and bidirectional flow pattern immediately upstream of the Culver Ct. culvert. The scope of work is to add a manhole with 5-10 feet of pipe extending to the west and south on the upstream side of the culvert. We'll then regrade the approaches to the new pipe. Erosive flow patterns will then be contained within the manhole structure which should solve the issue.
- If budget allows, we may include a handful of inlet and manhole repairs at various locations.

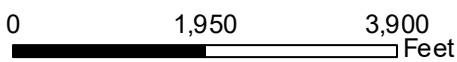
Total opinion of probable cost (including engineering and traffic control) is approximately \$365,000 which will be funded through the Village's Road & Bridge and MFT Funds.

Staff is seeking direction from the Board, so this will be a discussion item only at the January 17th meeting. I look forward to discussing the proposed program with the Board. In the meantime, please do not hesitate to contact me at 636-9590 if I may provide additional assistance.

Village of Poplar Grove 2024 Road Improvements
PRELIMINARY January 11, 2024



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SCALE: 1:23,450