

**To: The Village President and Board of Trustees**

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

**Re: Engineering Report – January 2024 Activity**

**Date: February 13, 2024**

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Please allow this memorandum to provide a brief summary of major activity over the past month that involves the engineering department:

- **Public Works Building:** The Contractor continues to make good progress. Painting, electrical conduit, mechanicals and garage door hardware were installed in the shop area during the month of January. In the office areas, the rough-ins, and most of the HVAC was installed in January. We have hit a snag with one of the electrical panels but we have been able to figure a work around that will allow the Village to occupy the building until the panel arrives. At the time of this memorandum, we anticipate that the Village will be able to begin using the building during the first week of March as originally planned.
- **2023 Pavement Maintenance Program:** We are STILL awaiting material certifications from IDOT for the State Street Project which are needed before we can close the project out. At the time of this memorandum, IDOT advises that the certifications could come sometime in the next month. We have sent the closeout paperwork for the Orth Road Section to IDOT.
- **2024 Pavement Maintenance Program:** As you will recall from our discussions in January, the Township had planned to resurface Beaverton Road and therefore the Village was going to partner with the Township to complete its sections of Beaverton. A few days after the January Board meeting, the Village was informed that the Township changed its approach and is now going to resurface Beaver Road. Staff is fully supportive of the change and the good news is that the cost of Beaver Road is essentially the same as Beaverton Road so there is no difference in cost to the Village.
- **South Wastewater Treatment Plant:** The NPDES permit for the South Plant is set to expire this year. The application for renewal is due to IEPA by March 31, 2024 and our office is currently in coordination with Test and DPW Howe's Office to renew the permit. You may recall that the Village was required to submit a phosphorus plan to IEPA a little over a year ago. Our opinion is that IEPA will most likely require a 0.50 mg/l discharge limit for Phosphorus in the next permitting period (2024-2029). The good news is that the existing plant is *generally* meeting the 0.50 mg/l phosphorus limit. That said, there may be minor changes needed to help the plant *consistently* meet the 0.50 mg/l limit. Those recommendations are outlined in Section VI of the Phosphorus report that was previously approved and submitted to IEPA. This permit will also most likely contain provisions for a future 0.10 mg/l phosphorus limit and there are significant capital improvements needed at the plant in order to meet a more stringent limit, and again, those were outlined in the report.