

Capital Improvement Plan Projects

2022 *thru* 2026

Department Public Works

City of Olathe, Kansas

Contact Rob Beilfuss

| | |
|--------------|--------------------------|
| Project # | 2-C-002-XX |
| Project Name | Lake and Dam Restoration |

Type Improvement

Category Storm Sewer/Drainage

2040 Focus Area Infrastructure

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|---|----------------------------------|
| Description | Total Project Cost: \$12,450,000 |
| <p>Lake improvements may include dredging, spillway rehabilitation, dam restoration, and creation of sediment forebays/wetlands. Some spillway improvements may provide detention to protect downstream properties.</p> | |

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| Justification |
| <p>Lakes and ponds are vital part of the City's stormwater infrastructure. Failure to maintain related infrastructure could result in dam failure and downstream flooding. Additionally, Olathe's high hazard dams are regulated by the Kansas Division of Water Resources. State regulations for high hazard dams require regular dam inspections and maintenance for spillways and dams. Cedar Lake, Lake Olathe, and South Frisco Lake are all classified as high hazard dams and fall under State regulation. The following expenditures reflect a 50% funding commitment from SMAC for asset replacement/construction, which is contingent on Watershed Organization priority and approval. Expenditures shown in 2021 include preliminary design for Cedar Lake dam and spillway replacement, with design and permitting in 2022 and construction in 2023 and 2024.</p> |

| Prior | Expenditures | 2022 | 2023 | 2024 | 2025 | 2026 | Total | Future |
|--------------|--------------|------------------|------------------|------------------|----------------|------------------|------------------|--------------|
| 250,000 | Construction | | 3,000,000 | 3,000,000 | | 1,000,000 | 7,000,000 | 3,500,000 |
| | Design | 1,200,000 | | | 500,000 | | 1,700,000 | |
| Total | Total | 1,200,000 | 3,000,000 | 3,000,000 | 500,000 | 1,000,000 | 8,700,000 | Total |

| Prior | Funding Sources | 2022 | 2023 | 2024 | 2025 | 2026 | Total | Future |
|--------------|------------------------|------------------|------------------|------------------|----------------|------------------|------------------|--------------|
| 250,000 | Revenue Bonds | 1,200,000 | 1,500,000 | 2,000,000 | 250,000 | 500,000 | 5,450,000 | 3,500,000 |
| | SMAC Funding | | 1,500,000 | | | 500,000 | 2,000,000 | |
| Total | Stormwater Fund | | | 1,000,000 | 250,000 | | 1,250,000 | Total |
| | Total | 1,200,000 | 3,000,000 | 3,000,000 | 500,000 | 1,000,000 | 8,700,000 | |

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| Budget Impact/Other |
| <p>The funding source distribution assumes that SMAC funding will be available within the above calendar years. The above strategy designs and constructs Cedar Lake improvements in 2021, 2022, 2023 and 2024, with subsequent lake and dam projects every two years.</p> |