

MetraPark Case Study

Improvement and Infrastructure

What was the client's issue presented to WWC?

For Yellowstone County and MetraPark, the problem was that infrastructure on the 165+ acre property had never been extensively mapped or assessed over its 90+ year history. As the infrastructure, including surfacing and utilities, is of varying ages and owners, the Client wished to determine an improvement plan and priority ranking for future projects.

How did WWC brainstorm and collaborate with the client to find a solution?

WWC realized that a step-wise approach to data collection was necessary to incorporate evidence of infrastructure identified in the field survey as well as empirical knowledge of infrastructure operations from Yellowstone County and MetraPark staff. Following data collection, WWC developed an objective approach to determining the current condition of infrastructure, to provide an unbiased assessment.

What was the solution chosen by WWC?

WWC worked closely with Yellowstone County and MetraPark staff to collect the infrastructure data survey using as-built information, surficial evidence, and potholing. Following data collection, objective and scientific approaches to assessing the infrastructure condition, including ASTM standards and published rating criteria, were used to detail infrastructure condition and prioritize future projects.

Why did WWC choose this solution?

WWC chose this approach to ensure that the maximum amount of information on existing infrastructure was collected during mapping activities and that the condition assessment was conducted to eliminate subjectivity that would decrease repeatability at a future time.

What was the final result of the completed project?

The result was a robust data set that effectively mapped the Property's infrastructure and provided a priority ranking system for future projects. In addition, conceptual designs and estimated costs were provided to the Client to assess the needs identified in the condition assessment.

How did the chosen solution save the client time, energy, or money?

This project allowed the client to increase their knowledge of infrastructure operations on the Property, in addition to plan future improvements and developments.

Why did WWC feel the solution chosen was the best choice?

WWC was the best choice to assist on the Project based on the strategic approach to data collection and objective condition assessment.

Notes:

The MetraPark staff and County commissioners indicated the robust data collection provided an expanded understanding of the existing infrastructure and the condition assessment, and project priority ranking provided a valuable path forward for addressing needs.