



The Batavia Public Library is a 2-story, 54,000-square foot library facility completed in 2001. The primary parking lot for library patrons is located immediately south of the main entrance at the upper level. Library employees use another parking lot at a lower elevation adjacent to the lower level of the Library. The north end of that parking lot consists of a circular driveway providing access to a drive-up book depository.

BTC was initially retained in 2012 to evaluate causes of sitework component deterioration, and provide conceptual repair recommendations. A sitework rehabilitation project was completed in 2015. BTC was again retained in 2017 to perform a capital asset study for the Library to develop a capital asset program that set out anticipated expenditures over a 20-year period. During that study, asphalt pavement was found to be in poor condition and BTC recommended a large-scale rehabilitation project in 2018. BTC was retained to design the rehabilitation of the parking lot.

As part of the design, BTC performed an elevation survey of the parking lots to evaluate drainage patterns and potential for modifying pavement thickness. A soil testing company was engaged to perform soil borings to evaluate existing thicknesses of the asphalt and aggregate base course, and general characteristics of the underlying subgrade materials. The information gathered from the elevation survey and soil borings was used to develop ideal thicknesses for bituminous concrete binder and surface courses over the existing aggregate base course. Subgrade material repairs were performed where proofrolling identified soft areas susceptible to future rutting. Replacement of deteriorated sections of concrete curbs and storm drain inlet hoods was also included.

Bidding assistance and construction contract administration services were also provided by BTC to ensure the parking lot rehabilitation was performed in accordance with the design.

Project Name:
*Parking Lot Rehabilitation
 Batavia Public Library*

Project Location:
Batavia, Illinois

Client:
Batavia Public Library District

Approximate Construction Cost:
\$150,000

Year Completed:
2018

Nature of Services:
*Evaluation, Design of Repairs,
 Bidding Assistance, and
 Construction Phase Services*

