

DGL Consulting Engineers, LLC

Project Name:

Parks Tower Walkway Renovations

Owner:

The University of Toledo
Bancroft Campus

Construction Cost:

\$208,000



Description:

This project replaces a portion of an existing pedestrian path on the UT Bancroft Campus. The path is used primarily by students living in the Parks Tower dormitory, seeking access to the north end of the Glass Bowl Stadium, tennis courts, running track and classroom facilities on the north side of the Ottawa River. The existing path, on a side hill location through a wooded area, had been subject to slope failures and had been maintained to the extent possible by timber retaining walls and temporary fencing.

This project replaces a little over half the existing walkway with a new concrete path. A preliminary study by DGL evaluated several alternatives, including cantilever walls, which would have required larger and deeper footing and were eliminated from consideration. The project was essentially completed and available for use by pedestrians in about two months.

Highlights:

- Soldier pile retaining walls were utilized to minimize footprint of the project and damage to the hillside environment
- Timber lagging between soldier piles serves as the backface for poured concrete facing
- Concrete path width is adequate for the university's maintenance vehicles
- Beyond wall locations, walk is curbed with galvanized steel railings bolted to the top of curb
- Walkway lighting has been retained



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