

**River des Peres Greenway
New Bike and Walking Path with Reinforced Soil Slope
St. Louis, Missouri**

Subconsultant, Geotechnical Engineering and Retaining Wall Design

Great Rivers Greenway continues its expansion of biking and walking paths throughout the St. Louis metropolitan area with the construction of the River des Peres Greenway in South St. Louis City. Millennia's scope of work included the design of a 370 foot long reinforced soil slope using Smart Slope C-185 facing units. Smart Slope blocks utilize pockets that can be filled with a select growing media that will support plant life. Selected plants are installed and eventually cover the face of the slope, cooling the wall and reducing heat island effect.

Millennia's scope included global stability analysis to create a stable reinforced soil slope and the preparation of plans for construction of the system. This structure intersected an existing block retaining wall at the abutment. Work included coordinating with the designer of the block wall and various contractors during the construction of the wall to bring the two walls together while maintaining the stability of both walls.

Other related work for Great Rivers Greenway includes a geotechnical study for the extension of the Dardenne Greenway near the St. Charles Community College in St. Charles, Missouri.

Client:

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