

South Lake Union Streetcar Maintenance Facility

Seattle, Washington

In its first year of operation, Seattle's South Lake Union Streetcar has served more than 500,000 riders.



Seattle Mayor Greg Nickels stands on the Uni-Ecoloc® paving system as he unveils the first modern streetcar.

Since its inaugural trip on Dec., Seattle's South Lake Union Streetcar has carried thousands of passengers every week on a 2.6-mile route linking South Lake Union, the new waterfront park, the Denny Triangle and the downtown retail core. The line uses three streetcars, which can carry 140 passengers each.

The total ridership of more than half a million in the first year has far exceeded expectations, prompting the Seattle City Council to vote to pursue the development of additional streetcar lines. "A Seattle streetcar network will be an important part of our future," says Mayor Greg Nickels. "It's a climate-friendly transportation choice that helps attract employers and encourages more job creation."

Not only are the streetcars a 'climate-friendly' mode of transportation, the surface they ride on supports Seattle's environment as well. The maintenance facility is paved with Mutual Materials® Uni-Ecoloc®, a permeable heavy-duty paving system designed to reduce stormwater runoff on industrial and commercial pavements. These interlocking concrete pavers are highly durable, capable of sustaining the highest vehicular loads while maintaining drainage openings that allow rainwater to infiltrate.



Stormwater runoff from traditional impervious pavement could have resulted in raw sewage contaminating nearby Elliott Bay during rains heavy enough to create a combined sewer overflow (CSO) event. With the Uni-Ecoloc system, the project's civil engineer was able to report that even during a recent 100-year storm, no runoff was observed from the site and 100% of the stormwater was able to be absorbed.

Crews from Eastern States Paving work to lay pavers on the prepared gravel bedding.



"Even in a 100-year storm event in December 2008, the paver system allowed all the stormwater to infiltrate, reducing the risk of a sewer overflow into nearby Elliott Bay."

– **William Lider**
Civil Project Engineer

Owner
City of Seattle

Project Architect
Mahlon Clements, Zimmer
Gunsul Frasca Architects LLP

**Civil Engineer/
Paver Design**
William Lider, PE, CESCL,
Parsons Brinckerhoff

Prime Contractor
Stacy and Witbeck

Specialty Contractor
Eastern States Paving

Mutual Materials Products
Uni-Ecoloc®



BUILT GREEN



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Uni-Ecoloc®

Uni-Ecoloc® is an environmentally beneficial heavy-duty paving system designed to reduce stormwater runoff on industrial and commercial pavements.

Uni-Ecoloc is a L-shaped interlocking concrete paver and part of the

Uni-Anchorlock family of pavers. Ecoloc pavers provide a highly durable, yet permeable pavement capable for supporting the highest vehicle loads. When installed, the unique patented design creates drainage openings in the pavement's surface, which facilitate rainwater infiltration like the Eco-Stone® system. Uni-Ecoloc is a mechanically installed product.

Ecoloc pavers are perfect for municipal, commercial and industrial applications.



3 1/8" x 8 7/8" x 8 7/8"
8 cm x 22.5 cm x 22.5 cm