



TRANSPORTATION

UNILOCK
DESIGNED TO CONNECT

UNIQUE PROJECT CHALLENGES, **UNILOCK** HAS THE SOLUTION.

The demands placed on outdoor spaces that deliver transportation services create unique challenges for these projects. The following are just a few examples of how Unilock products can help provide solutions to these challenges.



< COMMUNITY PUBLIC TRAFFIC

CHALLENGE: *The bus loop at McMaster University in Ontario required a paving solution that was durable enough to handle continuous bus traffic, but could aesthetically preserve the sense of community around the campus.*

SOLUTION: Unilock II Campo® was chosen for the roadway and installed in a random pattern to provide the 'lock up' needed to handle the continuous load and turning of bus traffic. The unique brushed finish of this EnduraColor™ product is highly durable and will ensure that the value of its warm aesthetic will be maintained over time.



< RETAINING WALLS

CHALLENGE: *Steady residential growth surrounding this GO public transit station in Vaughan Ontario pressed the facility for more parking space, but the site had very limited usable land on which to expand.*

SOLUTION: 350 new parking spaces were created by constructing a 300 metre Unilock retaining wall along the edge of the property. For a year after construction, the 6 metre high wall was monitored for movement, and registered in the range of 3-4mm (three-eighths of an inch). This earned the Unilock wall pre-approved selection for future Government of Ontario projects.



< HEAVY DUTY PAVING

CHALLENGE: *Grand Traverse Fire Station required a paving solution that could withstand the loads and forces of daily fire truck traffic.*

SOLUTION: Unilock Eco-Optiloc™ features an 'L' shape that locks in place with 'tri-axis' technology. This made it an excellent choice to manage the heavy loads of this application. As well, Eco-Optiloc is a permeable paver which allows stormwater to flow through so that puddles are minimized even during heavy rainfalls.

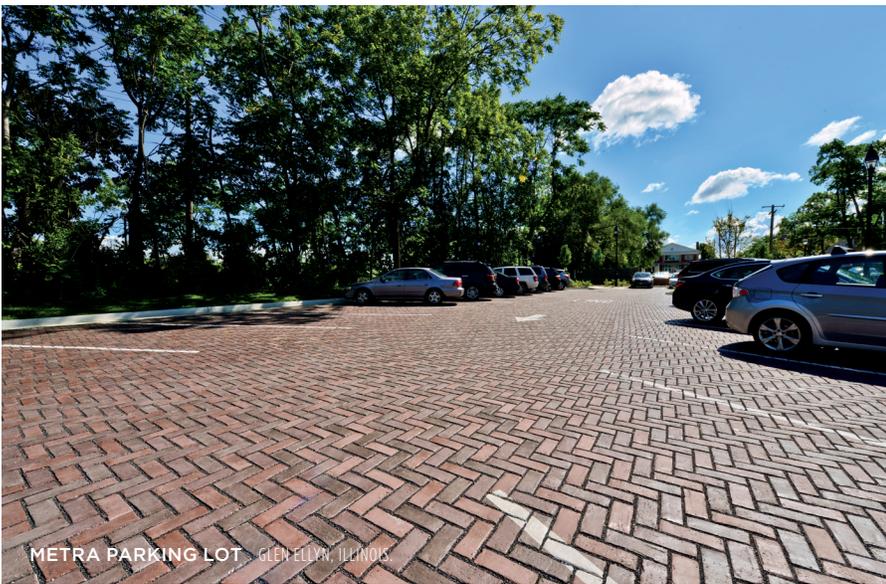


MBTW WONDERLAND STATION REVERE, MASSACHUSETTS.

< PLATFORM / ROOF DECK

CHALLENGE: The Massachusetts Bay Transportation Authority wanted to improve pedestrian access as part of their 2010 expansion.

SOLUTION: The solution was to create a pedestrian bridge spanning busy Ocean Avenue and connecting it to the station via a central plaza. The plaza was intended to be a lively, multi-functional public space, so it required a paving material that was durable and easy to maintain. Unilock Umbriano® was selected, with EasyClean™ integral surface protection, and the pavers were placed in a long linear pattern that visually guides pedestrians across the bridge.

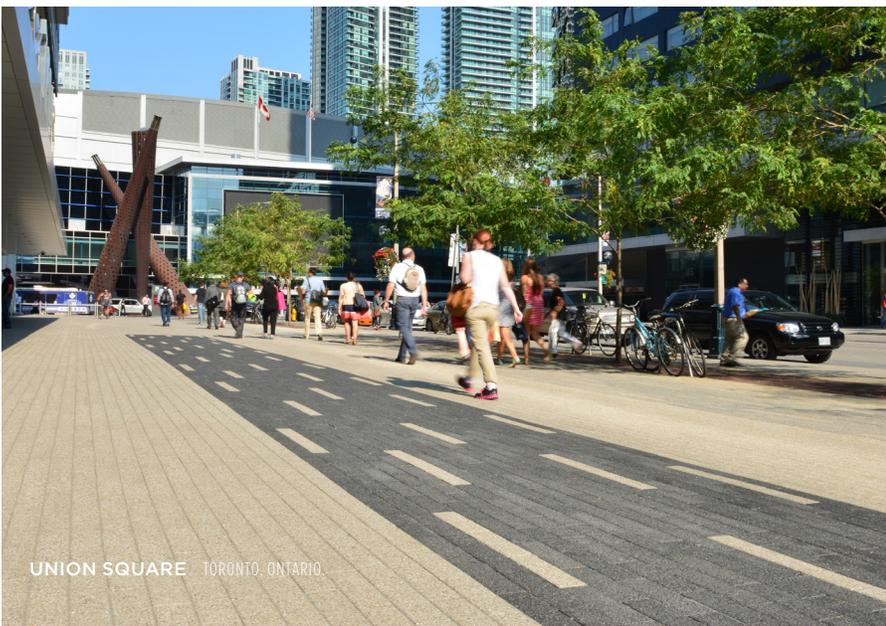


METRA PARKING LOT GLEN ELLYN, ILLINOIS.

< PERMEABLE PARKING LOT

CHALLENGE: The town of Glen Ellyn, required a sustainable parking lot prototype to conform to their Comprehensive Downtown Plan.

SOLUTION: Built with the help of a METRA (Metropolitan Rail Corporation) grant, this 14,000 square foot parking lot was built using Unilock Town Hall® pavers. These pavers met the needs of the project in terms of their permeable design, allowing stormwater to pass through a natural filtration process and replenish the local water table. The old world, street paver style of Town Hall also fit the historic aesthetic required by the town plan. This EnduraColor™ Plus Architectural Finishes product is one of our most durable and its rich color will not fade.



UNION SQUARE TORONTO, ONTARIO.

< MIXED TRAFFIC

CHALLENGE: Every day, more than 250,000 commuters pass through Toronto's Union Station, many of which exit into Union Square. This multi-use public space required a paving solution that would support a variety of public events and gatherings, as well as traffic from light and heavy duty vehicles.

SOLUTION: Unilock Series 3000® was selected for its exposed aggregate finish which only gets better with time. As it wears, natural granite and quartz particles become more exposed, further enhancing the beauty of this Unilock EnduraColor™ Plus Architectural Finishes product. Long, linear pavers were patterned to create visual interest in this expansive space and draw the eye to popular destinations.



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- STRENGTH**
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