



SCOTT
SYSTEM



INFORMER



THE ART OF CONCRETE TEXTURES

FALL 2015



Rim Snaps™

195th Street Bridge features arched concrete piers with vertically-cast brick. The masonry and stone design compliments the traditional architecture of historic Farmington, MN.

Connect New Bridge with Historic Downtown



Highway and bridge departments are specifying poured-in-place concrete walls with integrally cast brick, thanks to the patented Rim Snaps™ system. Minnesota and Wisconsin DOT's have constructed a number of projects featuring brick-embedded concrete.

Real brick and the stone block pattern of the bridge arches were poured in place simultaneously. The stone appearance of the voussoirs and the keystone were created using rustications in the vertical forms.

One of the most magnificent applications of vertically cast thin brick is the 195th Street extension in Farmington, Minnesota. The new stretch of highway includes a 605-foot bridge spanning the Canadian Pacific railroad tracks and North Creek, a tributary of the Vermillion River.

The project was designed to link aesthetically with historic downtown Farmington. Poured-in-place arched concrete piers with integrally cast

brick support the bridge. Installers used Scott's reusable Rim Snap™ method in their forming system to hold thin brick in place for the concrete pour.

The process is revolutionary by allowing contractors to vertically cast brick into massive, poured-in-place highway walls and columns. Plastic brick holders with a rubber rim are connected together with interlocking tabs and stapled to plywood-lined forms. Workers then press thin brick into the forms, set reinforcing steel and pour concrete. After curing the forms are removed, exposing the brick.

A number of brick coursing patterns are available and the Rim Snap™ forming system is reusable. The concept has been proven on numerous bridge and highway projects with cast-in-place forms, climbing forms and column forms too.

THIN BRICK CAST IN
POURED CONCRETE

News from Scott System, Inc.
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Arlington Boulevard

Leaf patterns of the native redbud tree are replicated in MSE panels on Arlington's Route 50 bridge improvements.

Reflects Grace and Beauty

VDOT and Arlington County began working together in 2001 on design options to replace two city entryway bridges on Route 50: North Courthouse Road and 10th Street North. Completed in 2015, the \$40 million project beautifully marks Arlington's entryways and improves safety and accessibility for motorists and pedestrians.

The Route 50 improvement is one of the first public art projects commissioned for infrastructure in Arlington County. The result is an aesthetically appealing and functional thoroughfare with a design that integrates civic identity, native landscape and lighting.

Construction team members included engineer AECOM Transportation, VDOT, Flippo Construction, Reinforced Earth Company, Arlington Cultural Affairs Public Art program and public artist Vicki Scuri of Vicki Scuri Siteworks.

Scuri's design utilizes steel, light and sculptural relief MSE panels that were inspired by the area's native redbud trees. Arlington Boulevard/Route 50 exemplifies her mission.

"My focus is public art for infrastructure, integrating community identity, environmental awareness and aesthetics to create a sense of place. Arlington Boulevard, with its sculpted leaf forms, weathering steel grills and programmable LED lighting is one of my favorite projects."

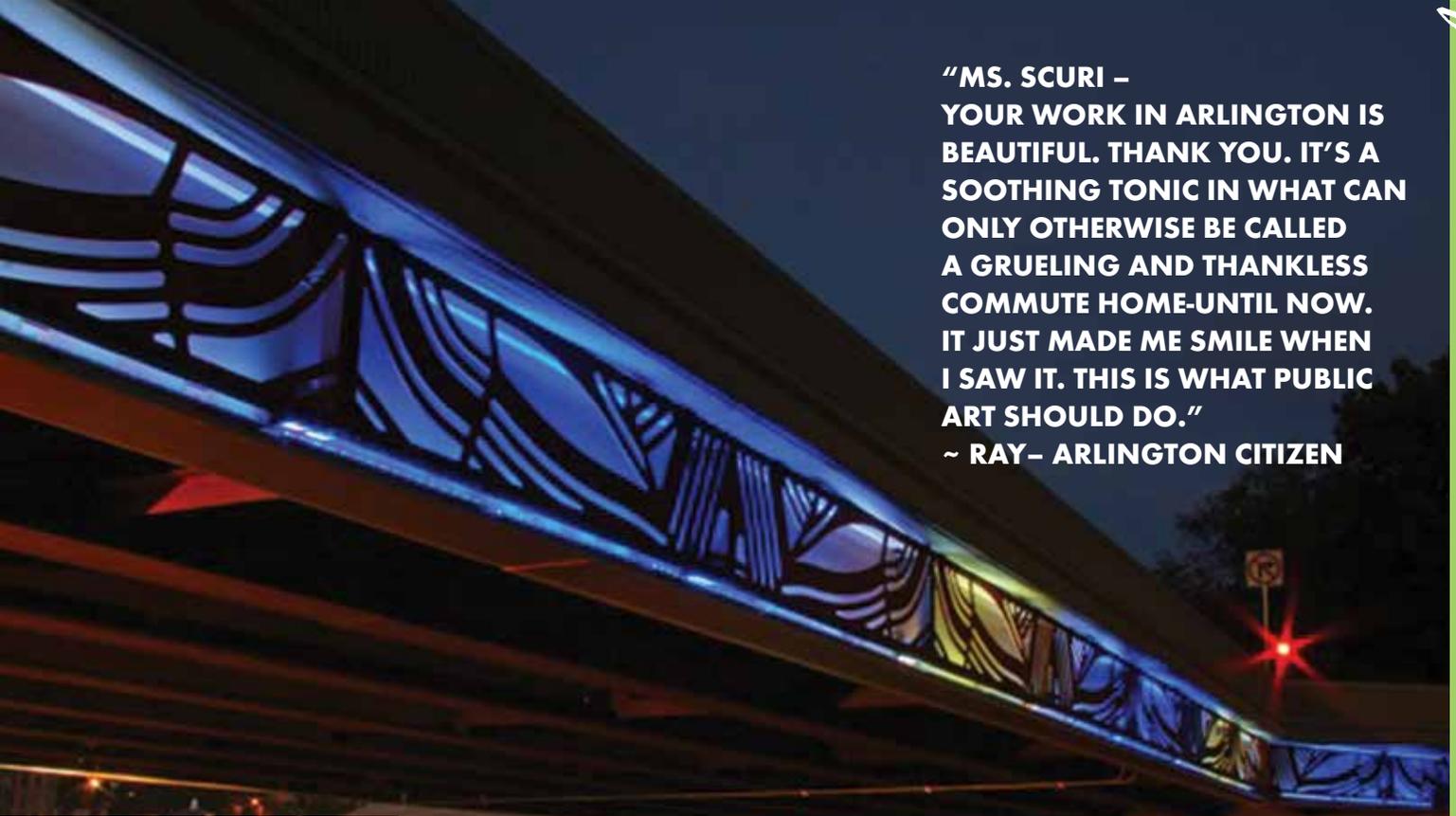
Scott System's artistic team worked alongside Ms. Scuri to sculpt the fine details of her seedpod and heart-shaped leaf pattern motifs before producing numerous form liners for the MSE panels.

Seven 5' tall by 10' wide units comprise the pattern key. The units recombine to create pattern maps that correspond to the wall height and to the grade. The outcome is a pattern drape of redbud leaf textures, responsive to the site conditions and to the play of light and shadow.

Scuri, who has more than 25 public art projects to her credit, has worked with Scott System for 20 years. "Scott is dedicated to providing high quality molds. They are committed to achieving my artistic vision while producing form liners that are practical for the job at hand. Sometimes this involves adjusting pattern depths or directions to produce the desired effect, especially on a large scale architectural project."

Learn more about Vicki Scuri of Vicki Scuri Siteworks: www.vickiscuri.com/about.html





**"MS. SCURI –
YOUR WORK IN ARLINGTON IS
BEAUTIFUL. THANK YOU. IT'S A
SOOTHING TONIC IN WHAT CAN
ONLY OTHERWISE BE CALLED
A GRUELING AND THANKLESS
COMMUTE HOME-UNTIL NOW.
IT JUST MADE ME SMILE WHEN
I SAW IT. THIS IS WHAT PUBLIC
ART SHOULD DO."
~ RAY- ARLINGTON CITIZEN**



The play of light and shadow on the walls during the day is enhanced at night with LED lighting. The custom metal bridge panels are illuminated on a 15 minute loop of slow transitioning hues.

Vicki Scuri and Buck Scott next to a 5' x 10' formliner for Arlington Boulevard.





S Y S T E M

the art of concrete textures

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the inside story...

- Rim Snaps® Connect New Bridge
with Historic Downtown
- Arlington Boulevard Reflects
Grace and Beauty

page

As our communities grow and cities meet the demand for effective infrastructure, planners continue to incorporate art and function into community landmarks, roads and public spaces. In our winter INFORMER we will feature the evolution of art in concrete and how technology has taken artistry to a higher level.



CATS (Charlotte Area Transit System) LYNX Blue Line light rail expansion includes a significant amount of public art. 5' x 10' MSE panels were designed by Denver artist Carolyn Braaksma.

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