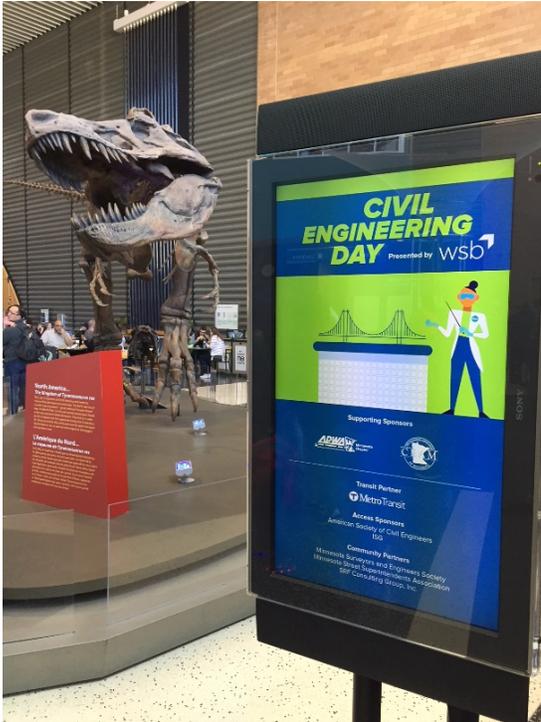


2019 Report on Civil Engineering Day

Made possible by support from
American Public Works Association



THANK YOU for your Civil Engineering Day sponsorship and commitment to future engineers!



On Civil Engineering Day, 5,209 visitors to the Science Museum met dozens of civil engineers and tinkered with activities that address the challenges civil engineers face every day.

BENEFITS

With your Supporting Sponsorship, your organization received the following benefits:

- 25 tickets distributed to youth through Tickets for Kids
- 25 general admission tickets for Civil Engineering Day
- Logo recognition on the Civil Engineering Day website landing page on SMM.org (attached)
- Logo recognition on Civil Engineering Day digital signage in the museum lobby
- Logo recognition on the Civil Engineering Day event day program (attached)
- Recognition on the event invitation email available at <https://www.smm.org/toolkit/civil-engineering-day> (attached)
- Opportunity to host an activity booth on Civil Engineering Day to engage with kids and families (signage attached)
- Recognition in the Science Museum's Annual Report

SPONSOR ACTIVITY

Your group went the extra mile by staffing an activity booth to share your expertise with visitors. APWA volunteers presented "Can You Stop Stormwater Pollution? Explore storm water, learn about public works, and play Plinko!"



TICKETS FOR KIDS

Thanks to your sponsorship, the museum was able to donate 25 tickets for Civil Engineering Day to Tickets for Kids—a nonprofit organization that provides at-risk children with experiences that inspire hope, dreams, and achievements for a lifetime. In total, 171 tickets were distributed through sponsorship support. For 87 of the participants, it was their first time to the museum! Tickets for Kids collected glowing feedback from families and organizers about the experience:

“Absolutely amazing! All the families that signed up to attend showed up and the kids were all super excited. Great event. It was culture, science, adventure and learning. Great time. Thank you so much!”

“They had an awesome time and the student especially enjoyed the video game exhibit at the Science Museum!”

“They had so much fun at the Science Museum! The youth spent a ton of time in the Race exhibit and he loved it! They also went to the Omni and saw the movie about Cuba. Our youth had never been to the Omni so it was quite an experience. They tried to hit the game exhibit but it was packed, so they continued to the Civil Engineering events and learned a ton!”



THANK YOU!

The museum’s Director of Learning Technologies and Experiences, Keith Braafladt, was thrilled with how the event turned out. “The day went very, very well. It was a busy day and our Civil Engineer presenters—as we saw last year for the first time—have a comfort and enthusiasm for engaging our visitors that is quite wonderful. Hands-on appears to be the best description of each and every presenter. They live the STEM and by coming to the museum they share that lifelong passion of learning by doing and sharing with others!”



Thank you for helping the Science Museum bring unique civil engineering experiences to young people in the Minneapolis/St. Paul area!

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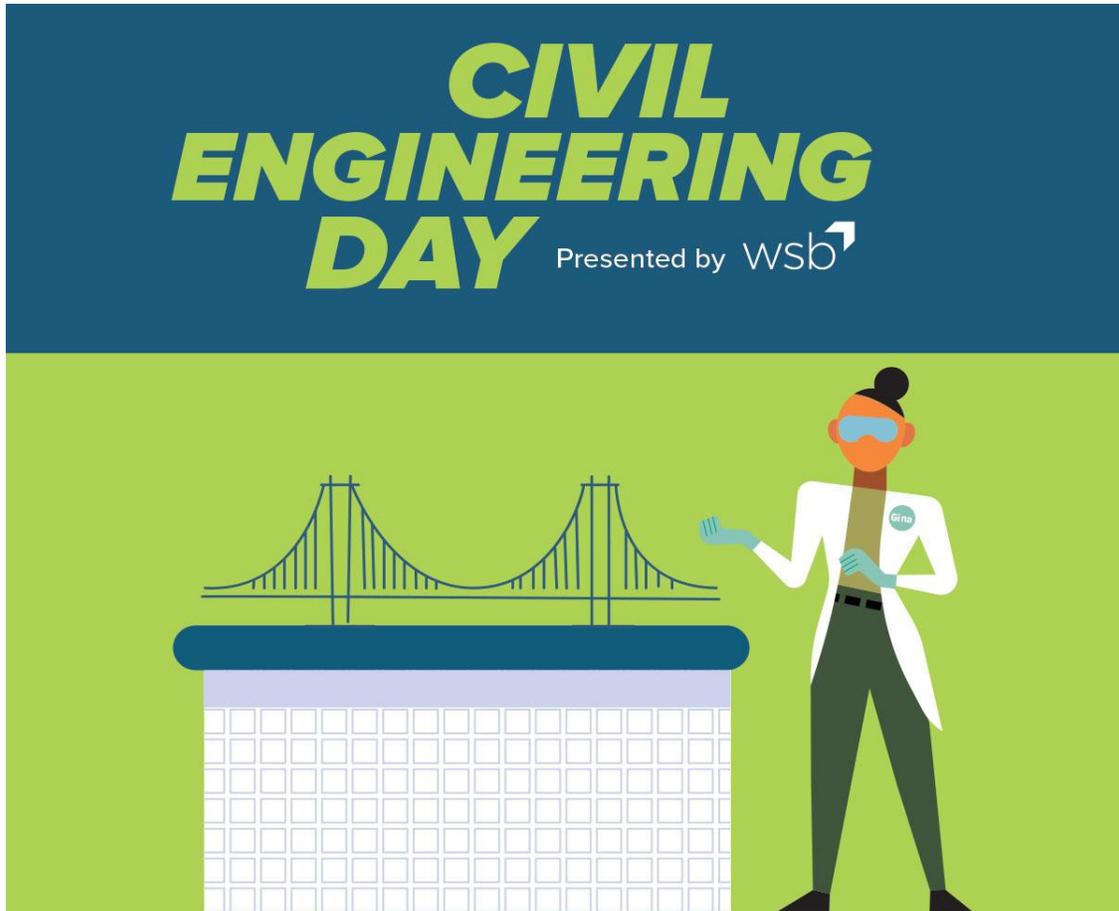


ACCESS SPONSORS

AMERICAN SOCIETY OF CIVIL ENGINEERS
ISG

COMMUNITY PARTNERS

MINNESOTA SURVEYORS AND ENGINEERS SOCIETY
MINNESOTA STREET SUPERINTENDENTS ASSOCIATION
SRF CONSULTING GROUP, INC.



When: Saturday, March 30

Time: 12-4 p.m.

Place: Science Museum of Minnesota

The roads you drive on, the bridges you cross, the buildings where you study and work – they’re all possible because of civil engineering!

[Civil Engineering Day](#) at the Science Museum immerses you in the power of engineering with hands-on activities,

and celebrates the work that civil engineers do to solve problems and improve lives.

PLAN YOUR VISIT >>

EVENTS AND PROGRAMS >>

SPECIAL OFFERS FOR MEMBERS >>



(651) 221-9444 or (800) 221-9444
info@smm.org

120 West Kellogg Boulevard | Saint Paul, MN 55102 | (651) 221-9444 | smm.org

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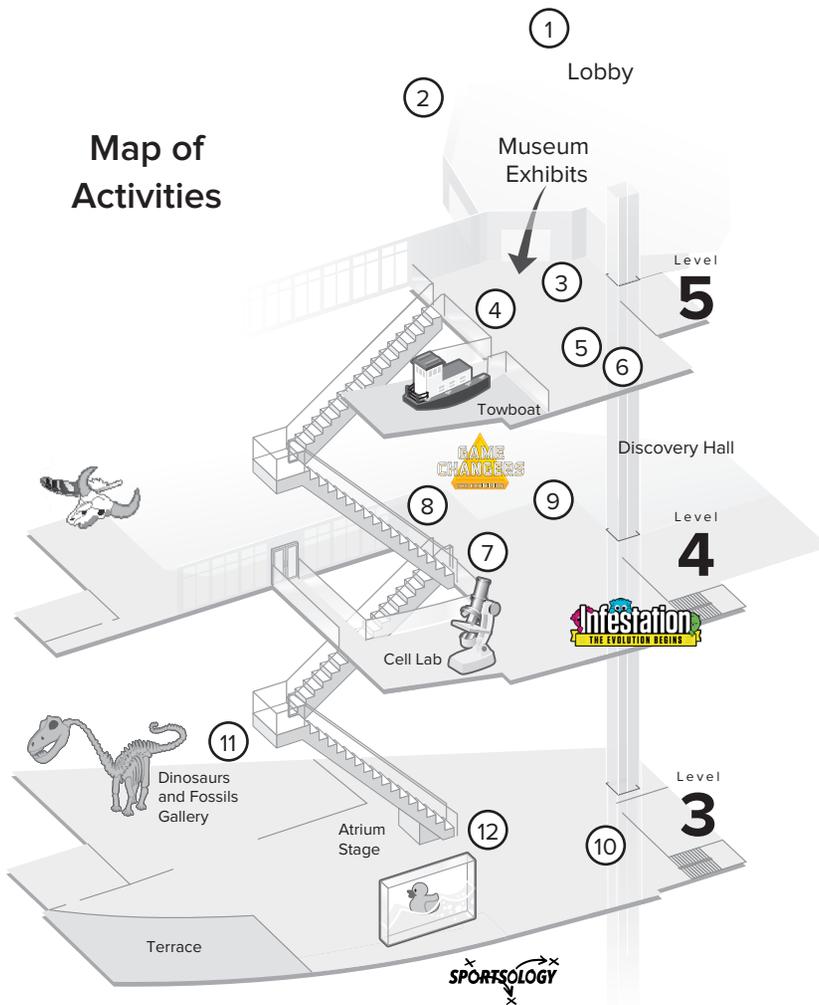
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Map of Activities



Transit Sponsor



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Museum
of Minnesota®**

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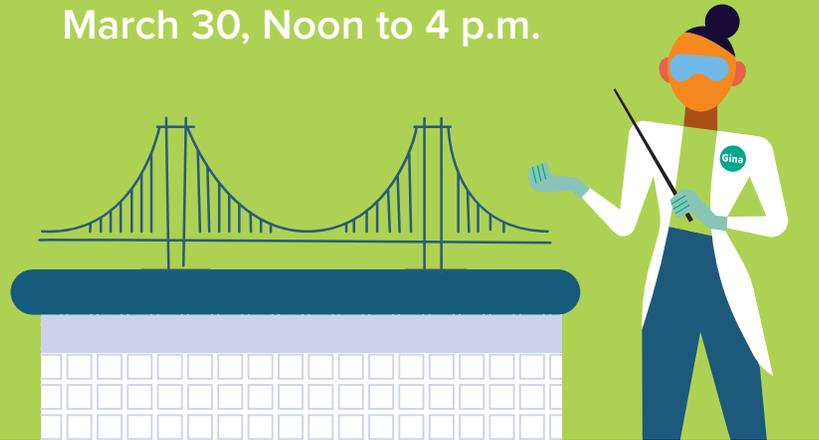
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CIVIL ENGINEERING DAY

Presented by wsb

March 30, Noon to 4 p.m.



Supporting Sponsors



Access Sponsors

American Society of Civil Engineers
ISG

Community Partners

Minnesota Surveyors and Engineers Society
Minnesota Street Superintendents Association
SRF Consulting Group, Inc.

LEVEL 5

- ① **Snowplow Simulator Trailer**
MnDOT
Try your hand at piloting a snowplow in the MnDOT simulator! Check in at the MnDOT Table (in the lobby) and volunteers will escort you to the simulator parked in front of the museum.
- ② **Cup Stack'em Up**
MnDOT
Explore engineering by working in a team to solve a problem. Create a tool using a string and a rubber band that could be used to stack a group of cups into a pyramid.

- ③ **Lego Doodlers**
WSB
Use LEGO motors, controllers and bricks to build a machine that draws!

- ④ **Let it Roll: 3D Roadway Design**
Isthmus Engineering, Inc.
Through hands-on activities, we will share how Civil Engineers use Geometry, Physics, and even Psychology to design safe roadways. And then immerse yourself into the project, using 3D design software to experience the design.

- ⑤ **Understanding the Urban Water Cycle: EnviroScape**
Bolton & Menk
Watch how pollutants travel through a watershed when it rains, make predictions for how we can control pollutants, and work together to design pollutant capture systems.

- ⑥ **Building a Bridge for 21 Elephants**
SEH
Build with a variety of recycled and household materials in order to create a bridge to hold 21 elephant figurines.

LEVEL 4

Game Changers Exhibit



- ⑦ **The Future of Transportation & Jobs in Transportation**
The North Central Section of the Institute of Transportation Engineers (NCITE)
An exhibit on transportation engineering.

- ⑧ **Windy City Towers**
American Society of Civil Engineers MN (ASCEMN)
Engineers make buildings as strong as they can so that they won't blow over during a storm. Very tall buildings, like skyscrapers, have to be built in special ways so that they don't just topple when strong winds slam into them.

- ⑨ **Rainwater Runoff Race**
SRF Consulting
Using different ground cover material, race to have the slowest and cleanest runoff to protect our water bodies!

Infestation: The Evolution Begins



We're experimenting with a new show and we need your help! Animal breeder Chris is domesticating a strange new creature with assistance from you—this show is fun, funny, and perfectly safe... as long as everything goes according to plan.

25 Person limit, per show:
12:15, 2 p.m., 3:30

LEVEL 3

- ⑩ **Virtual Sandbox**
ISG
The virtual sandbox was constructed by the Minnesota Society of Professional Surveyors to represent the land surveying industry as part of civil engineering.
- ⑪ **U of M Twin Cities Steel Bridge Team**
University of Minnesota student-led design, fabrication, and assembly of a 1/10th model steel bridge!
- ⑫ **Can You Stop Stormwater Pollution?**
American Public Works Association (APWA)
Explore storm water, learn about public works, and play Plinko!

Atrium Stage: Science Live Theatre

- 12 p.m. - The Mummy's Hands
12:30 - The Paul and Babe Show
1 p.m. - The Fire Triangle
1:30 - Destination Outer Space
2:30 - Sound All Around
3 p.m. - Cryogenics
4 p.m. - What's the Solution?



Plinko

Presented by



Minnesota
Chapter