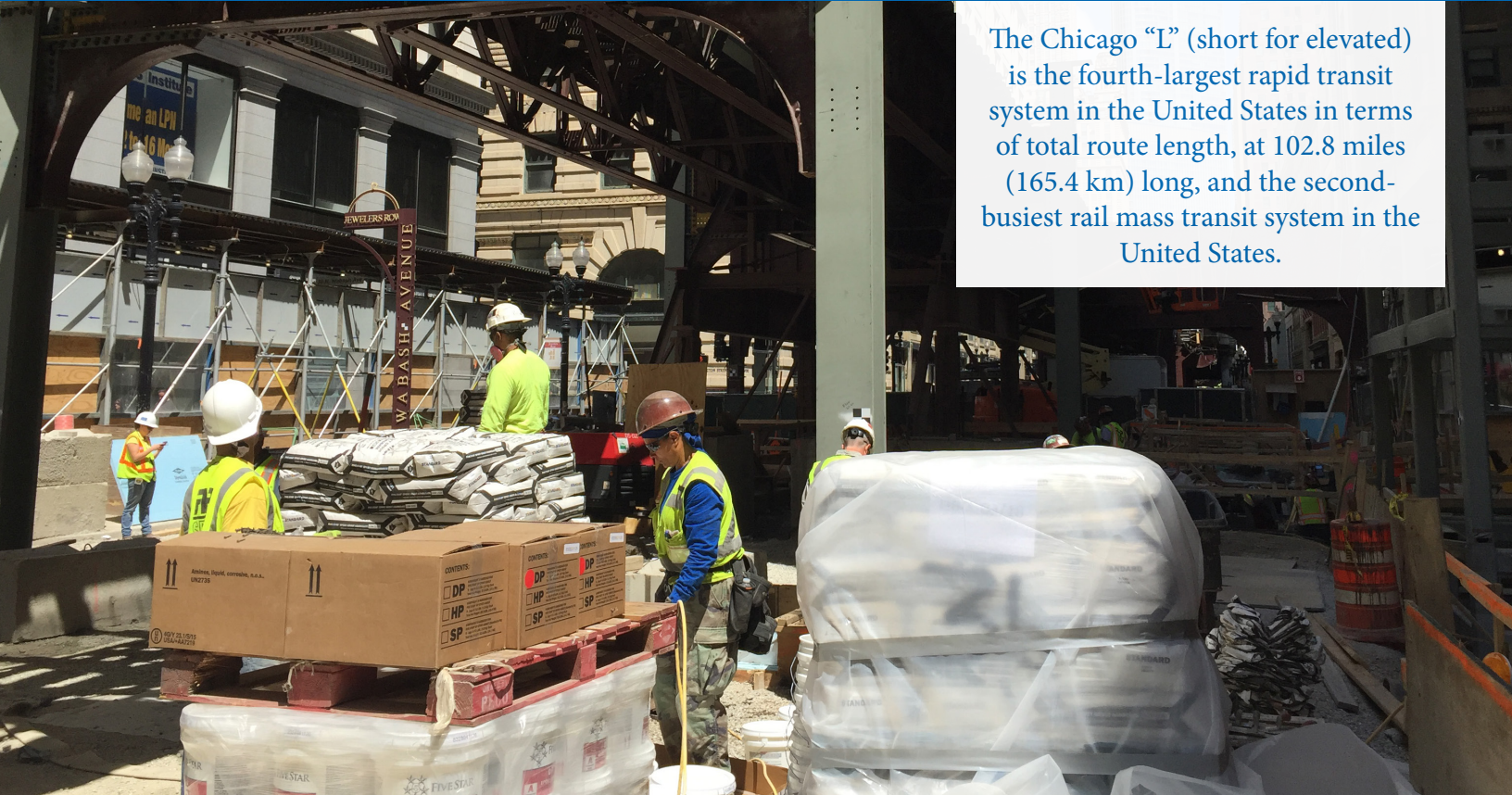


SOLUTIONS | Case Study

The Chicago “L” (short for elevated) is the fourth-largest rapid transit system in the United States in terms of total route length, at 102.8 miles (165.4 km) long, and the second-busiest rail mass transit system in the United States.



Chicago Transit Authority (CTA)

“L” Track Support Beam Encapsulation Project

Chicago, IL

Product:

Five Star® DP Epoxy Grout



FIVE STAR

Specified by the World's Best™

Chicago “L” Track Support Beam Encapsulation



Readying/Mixing the DP Epoxy Grout



Preparation Includes Creating Forms Around the Beams



Pouring the DP Epoxy Grout



Monitoring Exotherm After Single 36" Pour

Date of Project: May 2016 to July 2017

Project Owner: F.H. Paschen

Project Contractor: F.H. Paschen

Project Engineer: Burns and McDonald

Market/Environment: Rail

Substrate: Steel Columns

Product(s) Used: Five Star® DP Epoxy Grout

Size of Project: 800 units

The Challenge

New steel beams being installed for an above-ground walkway over Wabash Avenue needed to be insulated, or encapsulated, to prevent static electricity generated by the trains from transferring through the beams and endangering pedestrians at street level. Location-related hurdles, including Chicago winters, tight conditions and depth of pour were also of concern.

Five Star® Solutions

Five Star® DP Epoxy Grout brought significant benefits to this project; one being the ability to pour depths up to 36" in one lift. This factor played a major role in DP Epoxy Grout being selected for the project, as it can be poured at greater depths while still providing electrical insulation to make steel support beams safe for the public.

With space being minimal in the work area, the Five Star® DP Epoxy Grout was transported in from an off-site storage location. Working with Five Star's engineering and technical support teams, the contractor was able to devise creative ways to get this job completed in a timely manner.

FIVE STAR® SERVICES

- Design-A-Spec™ engineering specification assistance
- Technical on-call center with field and project experienced staff
- Field support representatives for on-site consultation
- Corporate research laboratory available to customize products for unique applications

For worldwide availability, additional product information and technical support, contact your local Five Star® licensee, distributor, local sales representative, or you may call the Five Star Products' Engineering and Technical Service Center at 1-800-243-2206.



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