



# MILE LONG BRIDGE PROJECT

— Grand Opening —

*October 2022*



# REBUILDING THE MILE LONG BRIDGE



**150,000** DAILY VEHICLES

**2** NEW BRIDGE STRUCTURES

**3** YEARS

The Mile Long Bridge is a critical piece of infrastructure on the Central Tri-State Tollway (I-294) as it carries drivers over two major railroads, three water resources and local roads, a major distribution center for UPS and Burlington Northern Santa Fe Railway. The bridge was reconstructed as part of the \$4 billion Central Tri-State Project.

The \$500 million Mile Long Bridge Project included construction of two new, wider bridge structures, as well as stormwater, drainage and related infrastructure improvements.

The project began in summer 2019. The new northbound bridge was completed in November 2020 and the southbound bridge was opened to drivers in October 2022.

## PROJECT BENEFITS

The new Mile Long Bridge features two, new side-by-side 4,800-foot-long bridge structures designed to last 100 years. The original bridges were built in 1958.

Project benefits include:

- ✦ Increased capacity for customers from four to five lanes in both directions
- ✦ Inside shoulders can serve transit, emergency vehicles or as an alternate lane
- ✦ Reduced impact on waterways, roadway and rail operations below by building 26 piers compared to previous 53 piers

## EXTENSIVE COORDINATION

Due to the complexity of the area surrounding the construction site, the Mile Long Bridge Project required extensive coordination with natural resource agencies, major business operations, property owners, and local agencies, including:

- Buckeye Partners ✦ Burlington Northern Santa Fe (BNSF) Railway ✦ Burr Ridge Water ✦ Illinois American Water Agency ✦ Westshore Pipeline ✦ Canadian National Railroad (CNRR) ✦ Cook County Department of Transportation and Highways (DoTH) ✦ DuPage County Division of Transportation (DuDOT) ✦ Forest Preserve District of Cook County ✦ IDNR Office of Water Resources ✦ Illinois Department of Natural Resources ✦ Illinois Department of Transportation ✦ Illinois Environmental Protection Agency ✦ Illinois Nature Preserve Commission ✦ Metropolitan Water Reclamation District ✦ US Army Corps of Engineers ✦ US Coast Guard ✦ US Department of Fish and Wildlife ✦ West Suburban Water Commission ✦ AT&T ✦ BP Petroleum ✦ Marathon Gas ✦ Comcast ✦ ComEd ✦ Nicor Gas ✦ Illinois American Water ✦ G4S Technology ✦ Sprint Natural Gas Pipeline Co. ✦ Unite Private Network (UPN) ✦ US Signal ✦ Verizon ✦ Western Suburban Water Commission

## BY THE NUMBERS

### ECONOMIC IMPACTS

- ✦ More than 5,000 direct and indirect jobs
- ✦ 69 engineering firms
- ✦ 109 construction firms

### 6 COMMUNITIES

- ✦ Village of Countryside
- ✦ Village of Hodgkins
- ✦ Village of Justice
- ✦ Village of Willow Springs
- ✦ Village of Burr Ridge
- ✦ Lyons Township

### CONSTRUCTION STATS

- ✦ Approximately 600 steel and concrete beams
- ✦ Nearly 70,000 cubic yards of concrete used for bridges
- ✦ More than 19 million pounds of reinforcing steel
- ✦ More than 189,000 cubic yards of earthwork moved

## PROJECT HIGHLIGHTS



### Barge-Mounted Crane

The northbound bridge was constructed from the ground, from the existing bridge and from a modular barge built on site using an array of heavy duty cranes. The barge-mounted crane had a more than 50-ton capacity and the ability to lift the structure's longest beams.



### Massive Beam Deliveries

More than 500 massive prestressed concrete beams traveled 100 miles from Wisconsin to the project site. They required 10-foot-wide, 14-axle heavy-load semi-trailers escorted by Illinois State Police. Also, 165 steel beam segments were delivered from Kentucky.



### Innovative Gantry System

On the new southbound bridge, an innovative gantry system was utilized to move and install bridge beams in the area adjacent to and over the Chicago Sanitary & Ship Canal. This allowed four lanes of traffic to remain open in both directions.



# FIRMS



## ENGINEERING FIRMS

2IM Group, LLC ✦ Accurate Group, Inc. ✦ AECOM Technical Services, Inc. ✦ Alfred Benesch & Company ✦ American First Contracting, Inc. ✦ American Surveying & Engineering, P.C. ✦ Ames Engineering, Inc. ✦ Angelo Construction Services, Inc. ✦ BLA, Inc. (dba Bollinger, Lach & Associates, Inc.) ✦ Bowman Consulting Group, LTD ✦ CCS International, Inc. ✦ Cheri K. Lewis Engineers, LLC (dba CKL Engineers, LLC) ✦ Christopher B. Burke, Engineering, Ltd. ✦ Collins Engineers, Inc. ✦ Czaplicki Lopez, PLLC ✦ EFK Moen, LLC ✦ Environmental Design International, Inc. ✦ Eskenazi & Farrell Associates, LLC ✦ exp U.S. Services, Inc. ✦ Frega Associates ✦ Garza Karhoff Engineering, LLC ✦ Geo Services, Inc. ✦ GSG Consultants, Inc. ✦ H.W. Lochner, Inc. ✦ Hanson Professional Services, Inc. ✦ HDR Engineering, Inc. ✦ Himalayan Consultants, LLC ✦ HNTB Corporation ✦ Huff & Huff, Inc. ✦ Interra, Inc. ✦ ITS Engineering, Ltd. ✦ J.A. Watts, Inc. ✦ Jacobs Engineering Group, Inc. ✦ Juneau Associates, Inc., P.C. ✦ Kimley-Horn and Associates, Inc. ✦ LHQ Tri-State Partners ✦ M Squared Engineering, LLC ✦ Mackie Consultants, LLC ✦ Metro Strategies Group, LLC ✦ Metro Strategies, Inc. ✦ Middleton Construction Consulting of Illinois, LLC ✦ Milhouse Engineering & Construction, Inc. ✦ Millennia Professional Services of Illinois, Ltd. ✦ Nashnal Soil Testing, LLC ✦ Orion Engineers, PLLC ✦ Panacea Group, LLC ✦ Parsons Transportation Group, Inc. ✦ Peralte-Clark, LLC ✦ Prairie Engineers of Illinois, P.C. ✦ Primera Engineers, Ltd. ✦ Program Management & Control Services, LLC ✦ Quantum Spatial, Inc. ✦ Quigg Engineering, Inc. ✦ R & G Engineering, LLC (dba Reach Grow Exceed Engineering) ✦ Sanchez & Associates, P.C. ✦ SCIGON Solutions, Inc. ✦ SDIENGR Corp. ✦ SE3, LLC ✦ Singh & Associates, Inc. ✦ T & I Engineers, LLC ✦ Terra Engineering, Ltd. ✦ Thomas Engineering Group, LLC ✦ TransLand Engineering Group, LLC ✦ TranSmart, Inc. (fka EJM Engineering, Inc. (dba TranSmart/EJM Corporation)) ✦ TranSystems ✦ TranSystems OMEGA, LLC dba OMEGA & Associates ✦ Urban GIS, Inc. ✦ Wang Engineering, Inc. ✦ WSP USA, Inc.

## CONSTRUCTION FIRMS

321 Co. ✦ 5366 Logistics Corp. ✦ A B Petroleum ✦ A. W. Oakes & Son ✦ ABC Cutting Contractors ✦ AC Iron, LLC ✦ AJ Trucking, LLC ✦ Aldridge Electric, Inc. ✦ Allstate Concrete Cutting, Inc. ✦ Alzate, Inc. ✦ Antigo Construction, Inc. ✦ Araiza Corporation ✦ Archon Construction Co., Inc. ✦ Atlantic Painting Co. ✦ Badger Daylighting Corp ✦ BarTech Group ✦ Black Dog Petroleum, LLC ✦ C3 Corporation ✦ Cardinal State, LLC ✦ Central Contractors Service, Inc. ✦ Central States Automatic Sprinklers, Inc. ✦ Chicago Cut Concrete Cutting ✦ Chlorinating Ltd., Inc. ✦ Clausen Structures, Inc. ✦ Clean Cut Tree Service, Inc. ✦ Cobra Concrete Cutting Services Co. ✦ Collins Engineers, Inc. ✦ Concrete Cutting and Breaking ✦ Construction Testing & Instrumentation, Inc. ✦ CPMH Construction ✦ Danny's Construction Company, Inc. ✦ DCH Construction & Hauling, LLC ✦ Divine Cement, Inc. ✦ DND Electric, Inc. ✦ E4 Contractor Incorporated ✦ ECS Midwest, LLC ✦ Efficient Trucking, Inc. ✦ Elastizell of Wisconsin, Inc. ✦ Elite Concrete Cutting Services ✦ Elite Fiber Optics, LLC ✦ Enlight Contracting, LLC ✦ Environmental Monitoring and Technologies, Inc. ✦ Everlights, Inc. ✦ Excel Ltd., Inc. ✦ F.E. Moran, Inc. Fire Protection of Northern IL ✦ F.H. Paschen, S.N. Nielsen & Assoc., LLC ✦ FCS, LLC ✦ Five Star Hauling, Inc. ✦ GEI Consultants, Inc. ✦ Gonzalez Companies, LLC ✦ H II Construction Company ✦ H.R. Stewart, Inc. ✦ Hayes Mechanical, LLC ✦ Homer Tree Service, Inc. ✦ Hydro Exc. Inc./ HEI Utility Contractors, Inc. ✦ Imperial Construction Associates, Inc. ✦ Industrial Fence, Inc. ✦ Insituform Technologies USA, LLC ✦ J Ave Development, Inc. ✦ JNS, Inc. ✦ John Burns Construction Company ✦ Kalgen Consultants, Inc. ✦ Kapur & Associates, Inc. ✦ Keller North America ✦ K-Five Construction Corporation ✦ Kindra Lake Towing ✦ L.J. Keefe Company ✦ La Grange Crane Service, Inc. ✦ Lake County Grading Company ✦ LiveWire Electrical Systems, Inc. ✦ Lyons View Manufacturer and Supply ✦ MA Rebar Services, Inc. ✦ Maintenance Coatings Co. ✦ Marking Specialists Corporation ✦ Martinez Underground, Inc. ✦ Material Solutions Laboratory ✦ Mersino Dewatering, Inc. ✦ Metropolitan Steel, Inc. ✦ MIDCO Electric Supply, Inc. ✦ Midwest Fence Corporation ✦ Midwestern Electric Co., Inc. ✦ MM Hauling, Inc. ✦ Mt Carmel Stabilization Group, Inc. ✦ Municipal Pipe Services, Inc. ✦ Nace Trucking, Inc. ✦ Natural Creations Landscaping, Inc. ✦ Nichols Crane Rental Company Inc. ✦ Omega III, LLC ✦ Pine Waterproofing and Sealant, Inc. ✦ Princeton Technical Services, Inc. ✦ Quality Saw & Seal ✦ R A Seaton Contractor Services, LLC ✦ Red Ants Boring Company ✦ RoadSafe Traffic Systems, Inc. ✦ Royal Crane Services, Inc. ✦ S & J Construction Co., Inc. ✦ Sanco Traffic Control ✦ Sonican Trucking, Inc. ✦ Stalworth Underground ✦ Strata ✦ Terrazas, LLC ✦ Tough Cut Concrete Services, Inc. ✦ Traffic Control & Protection ✦ Trafic Services, Inc. ✦ Truck King Hauling Contractors, Inc. ✦ True North Consultants, Inc. ✦ Utility Hydrovac Services, Inc. ✦ Walls Trucking, Inc. ✦ Walsh Construction Company II, LLC