

STH 100 Project in Milwaukee County is Recipient of National Excellence in Concrete Pavements Award

Madison, WI. (January 4, 2016) – The American Concrete Pavement Association (ACPA) has named recipients of its 26th Annual “Excellence in Concrete Pavements” awards, which recognize quality concrete pavements constructed in the United States and Canada.

The awards program encourages high-quality workmanship in concrete pavement projects, and serves as way to share information about challenging and highly successful projects. Projects are evaluated and voted on by judges from across the country and represent various stakeholder groups in the transportation-construction community. The program recognizes contractors, engineers, and project owners who completed outstanding projects.

The awards fall into 13 categories applicable to construction and preservation of highways, roadways, airports, and industrial pavement facilities. The program requires projects to be completed in the calendar year prior to judging (2014).

The reconstruction of State Trunk Highway 100 in Milwaukee County by the Wisconsin Department of Transportation received the Gold Award in the Category of Urban Arterials and Collectors. The award ceremony was held on December 6, 2015 at the 52nd Annual Meeting of the ACPA in Bonita Springs, Florida. “This project was given special recognition in January 2014 by the Wisconsin Department of Transportation and it is the tradition of the Wisconsin Concrete Pavement Association to send state award winners to the national award program. The size, complexity, traffic accommodations and quality of construction were the attributes worthy of the special recognition. The Trierweiler Construction Company, Wisconsin Department of Transportation, and CGC, Inc/WCP-200 (joint Venture) should all be congratulated for delivering this project on time and with excellent quality construction. It is an honor to have this project win the national award’ said Kevin McMullen, President of the Wisconsin Concrete Pavement Association. “WCPA was honored to join CGC/WCP-ZOO representatives in accepting the award on behalf of Trierweiler Construction and the Wisconsin Department of

Transportation who could not attend the award ceremony in Florida. We look forward to honoring the entire project team in the very near future”, he further added.

Highlights from the ACPA press release on the project are as follows:

Urban Arterials & Collectors

Gold Award Recipient

Project: State Highway 100, from Interstate 94 to Watertown Plank Road, Milwaukee and Wauwatosa, Wisc.
Contractor: Trierweiler Construction & Supply Co.
Owner: Wisconsin Department of Transportation
Engineer: CGC, Inc. / WCP-200 (Joint Venture)

The high traffic volume, urban reconstruction project was completed in a fully developed commercial area in the City of Wauwatosa in Milwaukee County. This \$35 million project is part of the Zoo Interchange reconstruction program to increase local road capacity during the future construction of the core portion of the interchange.

The reconstructed STH 100 is an 8 lane urban arterial with 4 signalized intersections, storm sewer, 2 storm water ponds, sign structures, street lighting, retaining walls, and streetscaping.

The Bluemound Road/ STH 100 intersection has a 2013 AADT of 62,000 making it one of the busiest intersections in the state. Running diagonally beneath this intersection is a Union Pacific Railroad tunnel, which required extensive rehabilitation and extensions to each end. The project required an aggressive schedule to complete an extensive amount of work by the required interim/final completion dates. This project included the construction of 131,000 SY of concrete pavement, 48,500 lineal feet of concrete curb and gutter, 118,000 square feet of sidewalk, 5,600 square feet of concrete median, and 1,110 feet of concrete barrier.

The project management team met on a regular basis with local businesses to discuss connecting parking lots to reduce and avoid numerous paving gaps. Ingenuity among the prime, subcontractors, and engineering staff allowed for two major intersections to be re-staged to avoid planned full closures and complete them ahead of



schedule. Each intersection was opened early, thereby qualifying the contractor to incentives. The benefits of the changes reached well beyond the intersections with reduced impact to businesses, community outreach and elimination of detour routes.

To provide an exceptional ride, Trierweiler maintained a consistent, workable concrete mix, which was monitored through rigorous Quality Management Program testing. The optimized mix was proportioned correctly to allow consistent consolidation without excessive vibrations. Trierweiler received a concrete pavement strength incentive of \$12,644, but equally important, received no disincentives for the percent air, slump and thickness requirements required in the specification.

In addition, the ride of the project was considered excellent by the Department. Trierweiler worked together with the prime contractor to restage the major intersections in the project and worked with property owners and businesses to eliminate as many gaps and headers as possible. The result was faster construction and a ride on the project that exceeded expectations. There were no localized roughness corrections on this project to eliminate bumps.

Two other major successes of this project include the use of the Wisconsin Department's Owner Controlled Insurance Program and the use of a communication consultant. The attention to safety on this project yielded an accident free project for the contractor and public. The consultant developed a website, produced weekly newsletters, worked with the project- and contractor-staff, and coordinated construction activities with the more than 100 businesses on the project.

About the Excellence Awards

This year the awards represent 13 categories of construction and preservation of concrete pavements used for highways, roadways, airports, and industrial pavement facilities. In all, 31 awards were presented to 25 contractors.

The ACPA Excellence in Concrete Pavements awards are made possible, in large measure, because of the generous time commitment of independent judges from across the United States and Canada. The judges each spend many hours reviewing executive summaries, project details, photographs, and other details and aspects of



project submittals.

ACPA presents awards in both gold and silver levels. Judging is based on a point system, with independent judges awarding points for quality construction, addressing unique and unusual challenges, innovation, traffic management, and other criteria. In the case of ties, award judges present awards to co-winners.

About the ACPA and WCPA

The ACPA is the national trade association for the concrete pavement industry. The Wisconsin Concrete Pavement Association (WCPA) is ACPA's local affiliated organization. ACPA and WCPA represent members in marketing/promotion, government affairs, and research/technical support associated with concrete pavements used for highways, airports, streets, and roads.

ACPA's and WCPA's members include paving contractors, cement companies, equipment manufacturers, material and service suppliers, ready-mixed concrete producers, allied associations/organizations, bonding and insurance companies, consulting firms, and other allied organizations and individuals.

Founded in 1963, the American Concrete Pavement Association is headquartered in Chicago at 9450 Bryn Mawr Ave., Suite 150, Rosemont, IL 60018. Phone: 847.966.2272. The Association's Washington, DC office is located at 500 New Jersey Ave., NW, 7th Floor, Washington, DC 20001. Phone: 202.638.2272. Visit ACPA's website at www.acpa.org.

Founded in 1952, the Wisconsin Concrete Pavement Association is headquartered in Madison, Wisconsin at 4001 Nakoosa Trail, Suite 101, Madison, WI 53714. Telephone: 608-240-1020. Fax: 608-240-1019. Visit WCPA's website at www.wisconcrete.org.

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High resolution photos of award winners and projects are available on request.

