

Certificate of Attendance for

ALBERT JHEFERSON CRUZ LLANOS

Attended a one-hour webinar on June 21, 2018. The webinar was focused on accelerated bridge construction (ABC). It provided the latest news related to ABC nationwide and the featured presentation:

**Rhode Island DOT Replaces Bridges Over Extended Weekends Using
PBES and SPMTs**

David W. Fish, P.E., Administrator of Project Management, Rhode Island Department of Transportation; and Witold H. Kloczkowski, P.E., Project Manager, Commonwealth Engineers & Consultants, Inc.

Description: In September 2016 the Rhode Island Department of Transportation used prefabricated bridge elements and systems (PBES) and self-propelled modular transporters (SPMTs) to replace two substandard bridges in East Providence over two extended weekends. Using ABC resulted in an 83-hour closure for the East Shore Expressway Bridge and, two weekends later, a 65-hour closure for the McCormick Quarry Bridge, resulting in completion of construction a year earlier than would have been possible with conventional construction. Precast elements included approach slabs, abutment caps, wingwalls, railing, and footings connected with grouted splice sleeves. The single-span superstructures were constructed in a nearby staging area and installed using SPMTs. This presentation included design and construction details and lessons learned.

Sponsored by the Accelerated Bridge Construction University Transportation Center (ABC-UTC)
at Florida International University (FIU); www.abc-utc.fiu.edu

One-hour webinar