Certificate of Attendance for

ALBERT JHEFERSON CRUZ LLANOS

Attended a one-hour webinar on September 17, 2020. The webinar was focused on accelerated bridge construction (ABC). It provided the latest news related to ABC nationwide and the featured presentation:

Innovative Contracting Project to Accelerate Replacement of Multi-County Bridges in Iowa

Ahmad Abu-Hawash, P.E., Chief Structural Engineer, Iowa DOT; Phil Rossbach, P.E., VP, HDR Engineering, Inc.; Brian P. Moore, P.E., Secondary Roads Research Engineer, ICEA Service Bureau; and Q&A panel member Vanessa Goetz, P.E., Research and Analytics Bureau, Iowa DOT

Description: A collaboration between the Iowa DOT, the Iowa Highway Research Board, and Iowa counties is delivering the accelerated replacement of eight deteriorated local government bridges in seven counties under an overarching materials-only bridge bundling project. The innovative contracting project supplies materials, including adjacent box beams and UHPC for deck closure joints, to counties. The counties then use their standard letting processes to award their individual projects to local contractors. The prefabricated bridge elements and standard designs streamline development and construction time. Awarded in April 2019, the project received an AID grant of $1 million with $250,000 city/county/state match. Six of the local projects have been awarded, with five bridges completed with construction in 2020 and the remaining three bridges to be completed in 2021. This presentation discussed development of the ABC superstructure and substructure standards, identification of candidate bridges, the project development process, team composition, the AID grant, industry collaboration and constructability reviews, letting, cost, construction activities, 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