

201410forOpenInfraSteering

Regarding selected North American activity related to the infrastructure standards space

Pursuant to work presented by S. S. Chen at the March 2013 buildingSMART meeting in Waltham, MA (USA)

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S. S. Chen and A. M. Shirole', "Implementation Roadmap for Bridge Information Modeling (BrIM) Data Exchange Protocols," Draft Report Vol. I for FHWA Cooperative Agreement DTFH61-11-H-0027, "Advancing Steel and Concrete Bridge Technology to Improve Infrastructure Performance"; Task 12 - Bridge Data File Protocols for Interoperability and Life Cycle Management, August 2013, 33 pp.

S. S. Chen, H. Hu, N. Ali, and R. Srikonda, "Information Delivery Manual Elements for Highway Bridge Interoperable Data Protocols," Draft Report Vol. II for FHWA Cooperative Agreement DTFH61-11-H-0027, "Advancing Steel and Concrete Bridge Technology to Improve Infrastructure Performance"; Task 12 - Bridge Data File Protocols for Interoperability and Life Cycle Management, December 2013, 256 pp.

S. S. Chen, H. Hu, N. Ali, and R. Srikonda, "Model View Definition Elements for Highway Bridge Interoperable Data Protocols," Draft Report Vol. III for FHWA Cooperative Agreement DTFH61-11-H-0027, "Advancing Steel and Concrete Bridge Technology to Improve Infrastructure Performance"; Task 12 - Bridge Data File Protocols for Interoperability and Life Cycle Management, January 2014, 492 pp.

Hanjin Hu, "Development of Interoperable Data Protocol for Integrated Bridge Project Delivery," Ph.D. Dissertation, Dept. of Civil, Structural, and Environmental Engineering, University at Buffalo, Aug. 2014.

and activities of the following:

- American Association for State Highway Transportation Officials / National Steel Bridge Alliance (AASHTO/NSBA) Steel Bridge Collaboration, Task Group 15 on Data Modeling for Interoperability
- American Institute of Steel Construction (AISC) TI (Technology Integration) Committee
- American Concrete Institute (ACI) BIM Committee,
- Precast/Prestressed Concrete Institute (PCI) BIM Committee,
- American Society of Civil Engineers / Construction Institute (ASCE/CI) Committee on Digital Project Delivery
- United States Department of Transportation (USDOT) Federal Highway Administration (FHWA) Initiatives re 3D Engineered Models
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