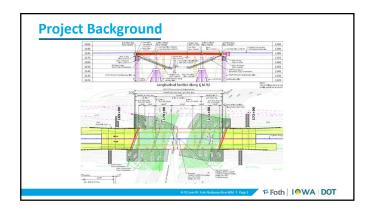


Project Background • IA 92 over W. Fork Nodaway River • Adair Design No. 524 • Existing Bridge # 180' x 26' Continuous I-Beam • Proposed Bridge # 194' x 44' PPCB Bridge, 20° Skew • Concepted for Staged Construction • Changed to Full Closure in Final Design



BIM Pilot Project

- ◆ Model all bridge geometry
- ◆ Superstructure modeled to LOD400
- Reinforcing in deck, barrier rails, end sections, wings and abutment & pier diaphragms
- Steel intermediate diaphragms and deck drains
- ◆ PPCB reinforcing not modeled
- ◆ Cut 2D plan sections from model
- Issue model in IFC format for Information-Only contract deliverable

IA 92 overW. Fork Nodaway RiverBIM 1 Page 4

Foth IOWA DOT



Modeling Resources OpenBridge Modeler General Bridge Layout & 3D Parametric Modeling Reinforcing Steel Detailing Deck, Diaphragms & Rails FC Model ACRES TOR Models PROFEED LAYOUT

