



Strongwell FRP Beam Bridge Sugargrove, VA



Roadway View of Existing Structure



Side View of Existing Structure

Fabrication of FRP Beams at Strongwell's Bristol Location

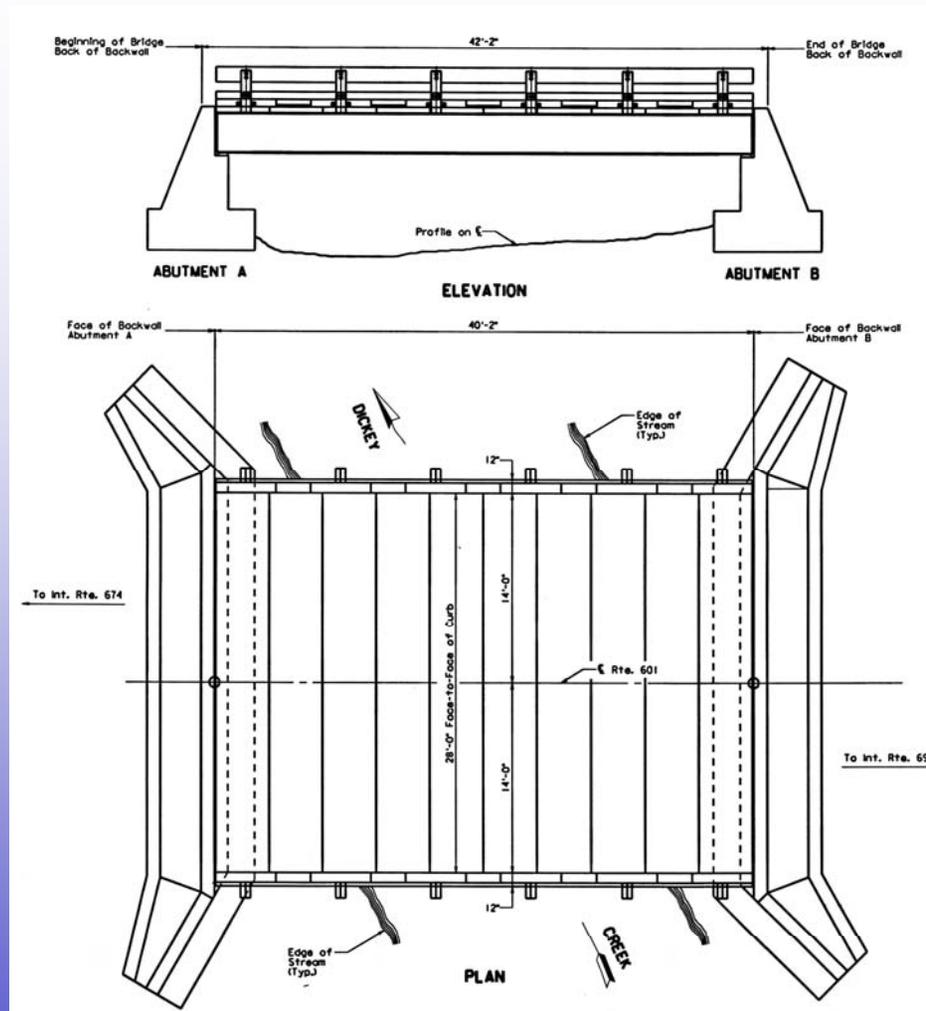




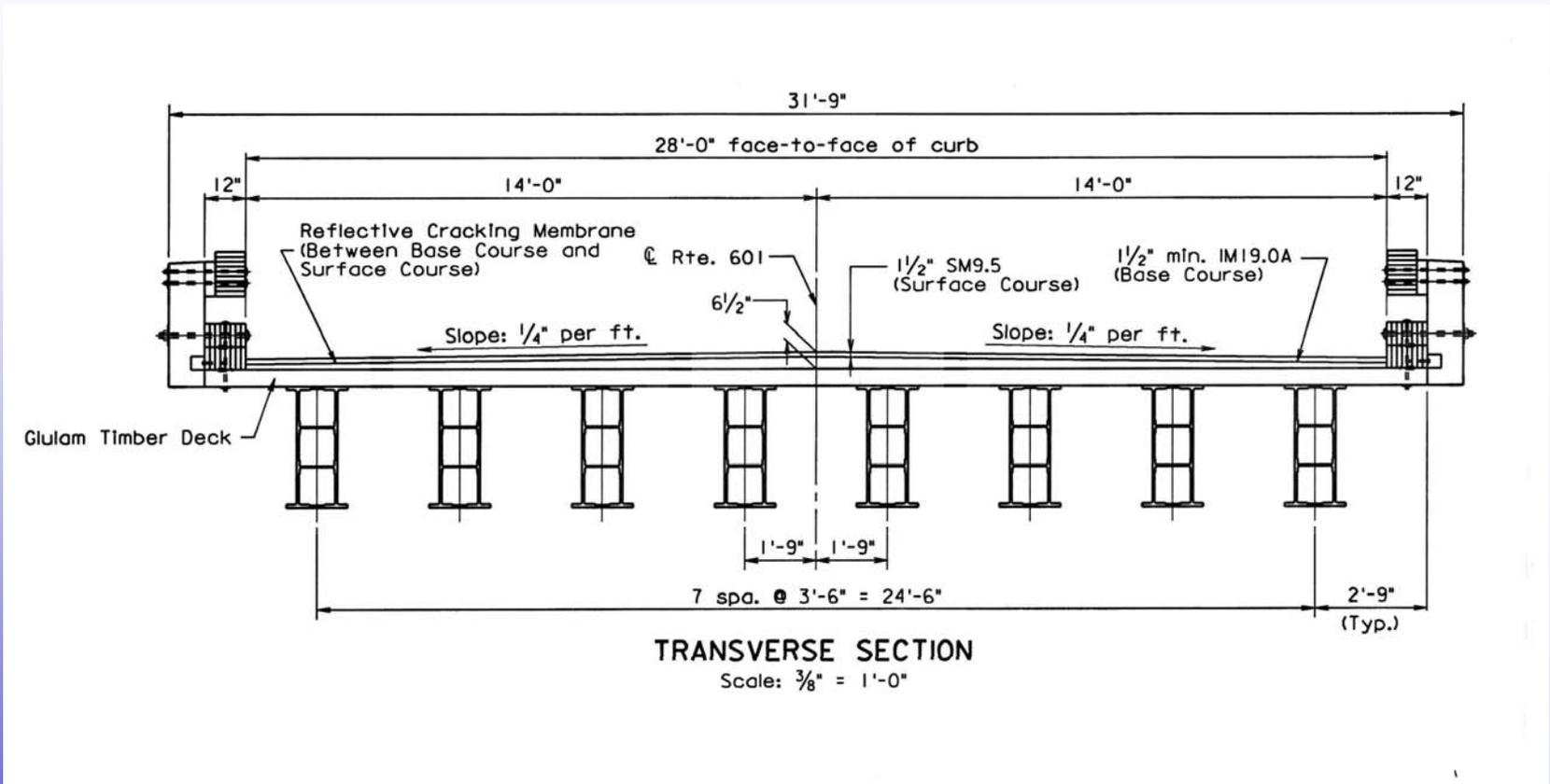
Fabrication of FRP Beams at Strongwell's Bristol Location



Removal of Existing Structure



Plan & Elevation Views



Transverse Section



Abutment B Excavation



Abutment B Formwork



Abutment B



Abutment A

Formwork washed out



Abutment A Formwork



Abutment A Placement



FRP Beam with Connections



Loading the Beams



Beams loaded on Truck



Setting Beams



Diaphragm Installation



Completed Beam Installation



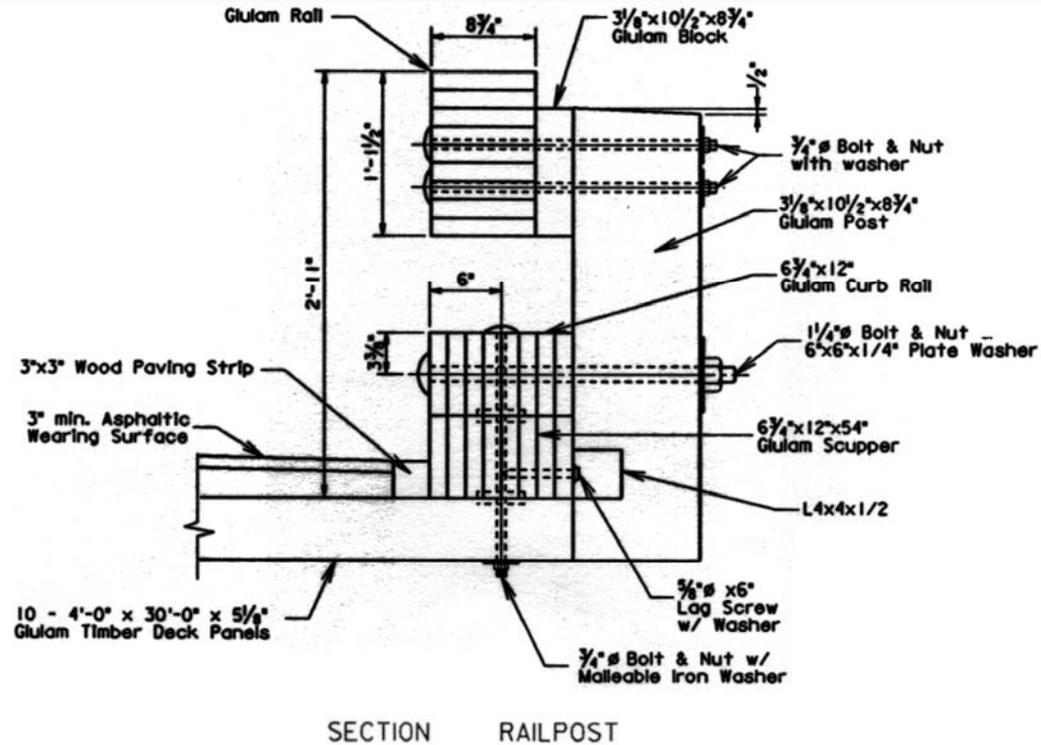
Installing Glu-lam Deck Panels



Drilling the Deck Panels for Connection



Deck Installation Complete



Railing Detail



Grooving Rails for Split-Ring Installation



Placing the curb and scuppers



Completed Railing



Completed Bridge

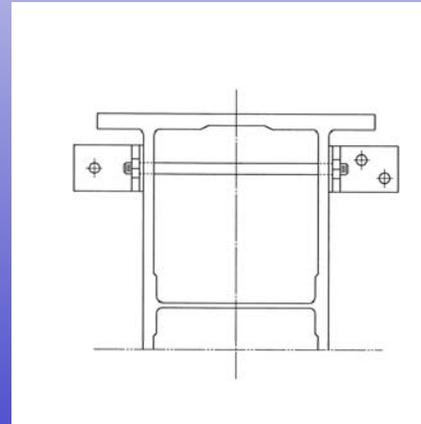


Ribbon Cutting

Lessons Learned

Diaphragms

- Multiple Holes for alignment at connections
- Location of end diaphragms





Thank You
Any Questions?