

**8/17/20**

**LEWALLEN BRIDGE REPLACEMENT PROJECT UPDATE**

*Lynn Murphy (Project Coordinator)*

*At month 24 of the 36-month project:*

Structures: Abutment #1:

This structure has been built and is now supporting the last nine girder beams. The existing steel beam pilings were wrapped with rebar, concrete forms were placed, and concrete was poured to create the abutment. The last nine girder beams were set between Pier #1 and Abutment #1 this past week (completed on Friday August 14<sup>th</sup>).

Bridge Decking and Overhangs:

Crews continue installing galvanized steel deck pans across the girder beams and building overhangs to accommodate the sidewalks (five-feet wide on each side).

Thousands of “shear bolts” are being welded to the tops of the girder beams. These serve to prevent the concrete deck slab from sliding and will tie the nine-inch thick concrete deck slab to the support beams.

Soon, a sub-contractor crew will begin placing a grid system of epoxy coated steel rebar across the girder beams and deck pans. A quantity of almost 1.5 million pounds of steel rebar is required.

Within the next few months, an engineered sequence of concrete pours to create the deck slab will begin, requiring almost 3,400 cubic yards of concrete (an average concrete truck contains 10 cubic yards).

Note: The TDOT Lewallen Bridge Replacement Project began on Monday September 17, 2018 and is scheduled for completion on August 31, 2021.