

12/14/20

LEWALLEN BRIDGE REPLACEMENT PROJECT UPDATE

Lynn Murphy (Project Coordinator)

At month 28 of the 36-month project

Concrete Bridge Deck –

The bridge deck concrete pouring construction began on November 24, 2020 and about 20% of the deck has been poured. A completion date for this phase of the bridge project will depend on the upcoming winter weather.

Concrete pouring during colder weather presents several challenges, and work schedules often get delayed. To meet TDOT specifications, weather forecasts and future temperatures for several days ahead must be considered when planning concrete work. In order to pour bridge deck concrete, the temperature must be 35 degrees and rising, with no hard freezes in the near future.

The 1,136 feet long bridge deck is divided into ten sections. An engineering plan dictates the sequence that the sections are to be poured. The weight of the poured sections must be properly distributed across the beams and support piers, in a certain order.

Once the bridge deck concrete is complete, crews will begin building concrete forms in preparation of creating the 5.5 feet wide sidewalks and the 4 feet tall parapet walls.

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