

FACT SHEET

Project:	Replacement of County Bridge T-19-S Fairmount Road East (CR512) over Lamington River
Location:	Tewksbury Township in Hunterdon County and Bedminster Township in Somerset County
Length:	81 ft
Width:	29.0 ft
Structure Type:	Single span, riveted steel plate through girder with concrete encased rolled steel floorbeams and steel gird deck
Beginning Limit:	Approximately 500 ft. West of the Bridge
Ending Limit:	Approximately 500 ft. East of the Bridge
Total Project Length:	Approximately 1081 ft.
Average Daily Traffic:	2200 vehicles per day
Year Built:	1934
Source:	N.J.D.O.T. Structural Evaluation and Bridge Management Bridge Re-Evaluation Survey Report; Cycle 20 Dated 6/3/2021

BRIEF DESCRIPTION OF PROJECT

- The structure is in overall poor condition due to the superstructure and substructure.
- The deck is in poor condition due to the severe rusting of the deck support I-beams on top of the floorbeams with numerous areas of 100% section loss and diagonal cracks in the webs.
- The superstructure is in poor condition due to heavy laminar rusting with section loss on the girder webs and flanges and spalled/missing encasement with heavy laminar rusting and section loss on the exposed flanges of the floorbeams.
- The substructure is in poor condition due to large deep spalls and areas of severe scaling/concrete disintegration on the abutments and wingwalls.
- Due to its non-redundant construction (riveted through girders), this bridge is classified as fracture critical. The fracture critical through girders are in poor condition due to heavy laminar rusting with section loss.
- **The structure is classified as structurally deficient due to the poor condition of the superstructure and substructure and functionally obsolete due to the substandard bridge roadway width. Therefore, the consultant inspecting the bridge recommends it be replaced.**
- This project will involve full bridge replacement, incidental modifications to approach roadways, environmental permitting, cultural resources investigation, and utility relocation.
- The bridge is situated within the Pottersville Village Historic District and it's replacement will need approval from the NJ State Historic Preservation Office.