

Project No. BR-0003-00(083), Carroll County
P.I. No.0003083
Bridge Replacement
CR 837 / Sandy Flat Road Over Big Indian Creek

Need and Purpose: Bridge project BR-0003-00 (083) will replace the structurally deficient bridge located on CR 837/Sandy Flat Road over Big Indian Creek. The bridge sufficiency rating is 36.3. The sufficiency rating, a number from 0 to 100 is a method of evaluating data by calculating four separate factors to obtain a numeric value that is indicative of bridge sufficiency to remain in service. The resultant rating would range between zero, which represents an entirely insufficient or deficient bridge, and 100, which represents an entirely sufficient bridge. The Office of Bridge Maintenance has determined that any structure with a sufficiency rating less than 50 should be replaced rather than improved. This project will replace the existing bridge with a structurally adequate bridge.

Sandy Flat Road is 22.4' wide with 6' shoulders. The bridge on Sandy Flat Road over Big Indian Creek is 23.8' wide, providing insufficient shoulder width on the bridge. The substructure has paint failure with overall surface corrosion. The deck is deteriorated and cracked.

This section of Sandy Flat Road is functionally classified as a rural local road. The bridge is not on a bike route and is on a designated school bus route. The posted speed limit along this section of Sandy Flat Road is 35 mph. The bridge is located 2.5 miles SW of Bowdon and was constructed in 1973. The projected 2027 ADT for this section of roadway is 550.