

NJDOT BABM 2022 Sawcut Vertical Curb



OVERVIEW OF INNOVATION

Gary Liedtka-Bizuga and Henry Jablonski received the 2022 Build a Better Mouse Trap Award (BABM) for their Sawcut Vertical Curb innovation. The innovation responded to a change in standards requiring existing curbing at guide rails to be reduced in height.

The conventional practice to make guide rail installation compliant was to remove existing curbs and replace them with 2-inch curbs, which typically required seven days of field operations.

The Sawcut Vertical Curb method uses a water-cooled saw that cuts the curb to the new height limits. Then, a sand treatment is applied to ensure that the top of the new curb is rough so a water epoxy can be treated and bind to the new concrete. This process reduced construction time from seven days to two days, and saved approximately \$95,000 per guide rail location.



Source: NJDOT

BENEFITS

The Sawcut Vertical Curb innovation saves time and money and increases safety and efficiency by eliminating the need to pour new concrete tubing and allowing the guide rail to remain in place during the process.

FIND OUT MORE . . .

- Build a Better Mousetrap Competition <https://www.njdottechtransfer.net/share-your-ideas/build-better-mousetrap/>
- 2022 BABM Award Winner Video: [2022 Build a Better Mousetrap Competition](#)

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