

# NJDOT BABM 2024 Replacing Inlet Curb Pieces



## OVERVIEW OF INNOVATION

Bishoy Abdallah received the 2024 NJDOT Build a Better Mousetrap Award (BABM) for his Replacing Inlet Curb Pieces in Existing Concrete Barrier Curbs solution. The project responded to the changed NJDOT roadway standards that require all resurfacing and preservation projects to upgrade existing inlet curb pieces to have a smaller opening.

The initial replacement process necessitated the closure of a lane, removal of a barrier curb, and pouring of a new concrete barrier curb; all which require time, money, and manpower.

Abdallah created two design details to outline the process of replacing and reconstructing the inlet: one for barrier curbs that do not need to be replaced and the other for the curbs that do. For concrete barriers that are not damaged, workers remove the existing asphalt, go inside the inlet, and replace the inlet curb piece.



Source: NJDOT

## BENEFITS

The Replacing Inlet Curb Pieces innovation improves safety and saves time and money by reducing lane closures, materials, and the traffic control man hours needed to make repairs.

## FIND OUT MORE . . .

- Build a Better Mousetrap Competition: <https://www.njdottechtransfer.net/sha-re-your-ideas/build-better-mousetrap/>
- 2024 BABM Award Winner Video: [2024 BABM Competition Winner: Replacing Inlet Curb Pieces in Existing Concrete Barrier Curb](#)

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