

# Inlet Repair Trailer



## OVERVIEW OF INNOVATION

**The 2021 NJ Build A Better Mousetrap Award for a local public agency was given for an Inlet Repair Trailer. Montgomery Township's Public Works Department converted an older trailer into a basin repair trailer to eliminate the amount of equipment and time required to load and unload onto trucks.**

The task of Inlet Repairs requires saws, various hand tools, concrete, block, bricks, wood for forms, water for concrete, concrete mixer, and a way to lift heavy grates. There can be significant labor time and safety considerations in loading and unloading trucks with needed equipment.

A generator, electric cement mixer, electric crane, electric water pump and water storage tanks, were mounted on the trailer. The trailer has plenty of room for pallets of concrete and basin block as well as lumber and all needed tools including electric outlets to operate saws. The labor to complete the project was around 100 hours and about \$3,500 was spent on equipment and materials for the trailer.



*Source: New Jersey Department of Transportation*

## BENEFITS

By having all equipment and tools on one trailer, the Township reduced the number of vehicles needed from three trucks to one which offers equipment utilization efficiencies.

When mobilizing a crew for a project, all needed equipment can be found stored on the dedicated use trailer which can improve daily labor productivity

Working off a low deck trailer eliminated climbing into a truck bed, and the electric crane eliminated heavy lifting of the grates which improves worker safety.

## FIND OUT MORE . . .

2021 BABM Award Winner Video:  
<https://www.njdottechtransfer.net/share-your-ideas/build-better-mousetrap/>

2021 BABM Local Award Winner Video:  
[2021 BABM Local Award Winner: Inlet Repair Trailer - YouTube](#)

Montgomery Township, New Jersey

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