

# CASE STUDY: THE LUTON – DUNSTABLE BUSWAY

Project: Luton to Dunstable Guided Busway  
Client: Luton County Council & Central Bedfordshire Council  
Contractor: BAM Nuttall  
Supplier: Midland Steel Reinforcement Supplies  
Value: £62 million



## Project Description

The Luton Dunstable Busway project involved the design and construction of a new 10km guided busway, which provides a sustainable transport link between Houghton Regis, Dunstable and Luton. The project required 2750 tonnes of reinforcing steel.

## How were safety trailers used on this project?

'Side Cradle Safety Trailers' were used by Midland Steel Reinforcement Ltd to deliver the 2750 tonnes of reinforcing steel required to complete the project. All reinforcing steel was prefabricated offsite into modular sections to increase construction efficiency and enhance onsite safety.



During the project 82 deliveries were saved due to the load optimisation benefits of the Safety Trailer system. This resulted in a total transport CO2 saving of 17.547 Tonnes.

## What are Health & Safety benefits of using Safety Trailers?

### Safer During Transit

"The Safety trailer cradles are fixed to the trailer bed via a twist lock mechanism. The top cradles then slide over the lower cradle corner pillars making it impossible for them to move during transit."



"In contrast, when using curtain sided trailers, loads shift during transit which usually causes a lot of down time in trying to off load the goods. With Safety Trailers, the prefabricated reinforcement cages were positioned in such a way that there was no possibility of movement within the cradle"



### Eliminates risk of operatives falling from the trailer

"As there is no need for operatives to climb onto the trailer or cradles, the risk of operatives falling from height during the offloading process is eliminated."

## What are the Programme benefits of using Safety Trailers?

No down time during offloading  
Less time required for offloading

Less operatives required to offload  
No forklift required

"The offloading process is now achieved by two men within a 45 minute window, with no down time. The safety trailers were transported directly into our onsite storage facility, where the cradles containing the prefabricated cages were offloaded and four empty cradles back on."

"When this is considered alongside the fact that a forklift is not required for offloading and no fall restraints are needed around the trailer, it presents a significant cost and time saving over the entire construction phase."



All quotations were provided by  
Norman Sproule, Precast Manager,  
BAM Nuttall Ltd