

## Value for Money Initiative:

Implementing a safer way to install Warratahs, minimising the risk of injury to the installer.

### Opportunity

The Construction industry has had a number of hand, thumb and finger injuries over recent years with the use of the Warratah Rammers. Causeway Alliance identified an opportunity to improve this process

### Solution

The Causeway Alliance has designed a way to stop the Warratah Rammer from coming off the top of the steel Warratah stake when ramming it into the ground.

This has been done by cutting out two slots running down the rammer, when you slide the rammer over the stake you put a bull clip through the slots and the top hole of the stake.

As you lift the rammer up to start hitting the stake into the ground the pin hits the bottom of the slot thus stopping it from coming off the Warratah Stake.

The modified Warratah Rammer has been used on site and received good feedback from the field staff. This is a good, economical initiative that mitigates the safety risk and should be rolled out to all projects that use this tool.



### Estimated Costs & Benefits

This VFM initiative helps mitigate a safety risk to the construction team on site at a low financial and time cost.

### Contributors

The Causeway Alliance

Highways Strategic Priority	Impacts
Safe Journeys	No
Efficient & Reliable Journeys	No
Social & Environmental Responsibility	Yes
People & Processes	Yes
Efficient Delivery of Works	Yes