

Ultra-Separator System



2024 Durability Upgrade!

Vanguard has recently developed a new separator system to significantly improve the durability of this system. We've used the original, proven rubber modules and combined it with the one-piece Ultraflex delineator which is tested to 100 hits at 100kmh and connects securely into the rubber modules.

This provides a significant upgrade in durability and performance, resulting in less maintenance over time, and delineators staying intact for much longer.



Available in black or yellow bases, with white, yellow or orange posts.



Left: Old plastic post broken after 30 x hits.
Right: New post still looks brand new after 30 x hits.

CODE	DESCRIPTION	SIZE (mm)
49-USM	Ultra-Separator Centre Module - Black/Yellow	1000(L) x 250(W) x 80(H)mm
49-TSE	Ultra-Separator End Cap - Black/Yellow	500(L) x 250(W) x 80(H)mm
49-UFTSP-O	Ultra-Separator Post - Orange	900(H)mm
49-UFTSP-W	Ultra-Separator Post - White	900(H)mm
49-UFTSP-Y	Ultra-Separator Post - Yellow	900(H)mm

Case Study: Traffic Separators

Higgins East Waikato – NOC

Ben Waterhouse – Renewals Manager



Q. What outcomes did you need to achieve on your project in relation to traffic management?

A. Provide a clear direction of travel for road users
A layout/product that couldn't be interpreted different by the road user than the contractor

Q. What did the Traffic Separator system provide you in terms of functionality, that wasn't achievable via other TTM methods?

A. Quick to assemble, quick to replace when damaged
A system that is self-supporting (i.e., short term, it doesn't need to be fastened down, it doesn't fall apart if hit. Install it, see how the traffic behaves, adjust the layout, check again, fasten down long term)
Very fast to set up, often used to delineate new traffic lanes on emergency works site before opening the road
The lego block base discourages vehicles from driving over the delineators
The delineators can be replaced without tools in less than 5 seconds. We don't need TTM, just a spotter for our team to safely complete maintenance

Q. How did the Traffic Separator system perform compared to previous set ups using other TTM methods?

A. Extended maintenance periods from weekly to bi-monthly (i.e. before we need to go and replace a few of the delineators)
Established and fastened down in 1/3 of the time of traditional safe hits
Have never had to replace any of the lego block separators

Q. What results have you seen since implementing the Traffic Separator system?

A. Significant reduction in vehicles hitting the delineators (re: extended maintenance period)
Replace 1/5 of the delineators compared to the quantity of safe-hits we used to replace
The TTM layout stays complaint & presentable with low maintenance
Reduced public complaints (people complain that the roundabouts need to made permanent which isn't affordable for our client in the current climate, the separators present as a robust, presentable, mid-term solution to the public eye)
Our staff don't complain about having to constantly maintain the sites, it's easy & fast to replace so they do it without asking and then can continue with their days planned work