



INNOVATION

AND

Performance you can depend on

Repairs with Smartraft®

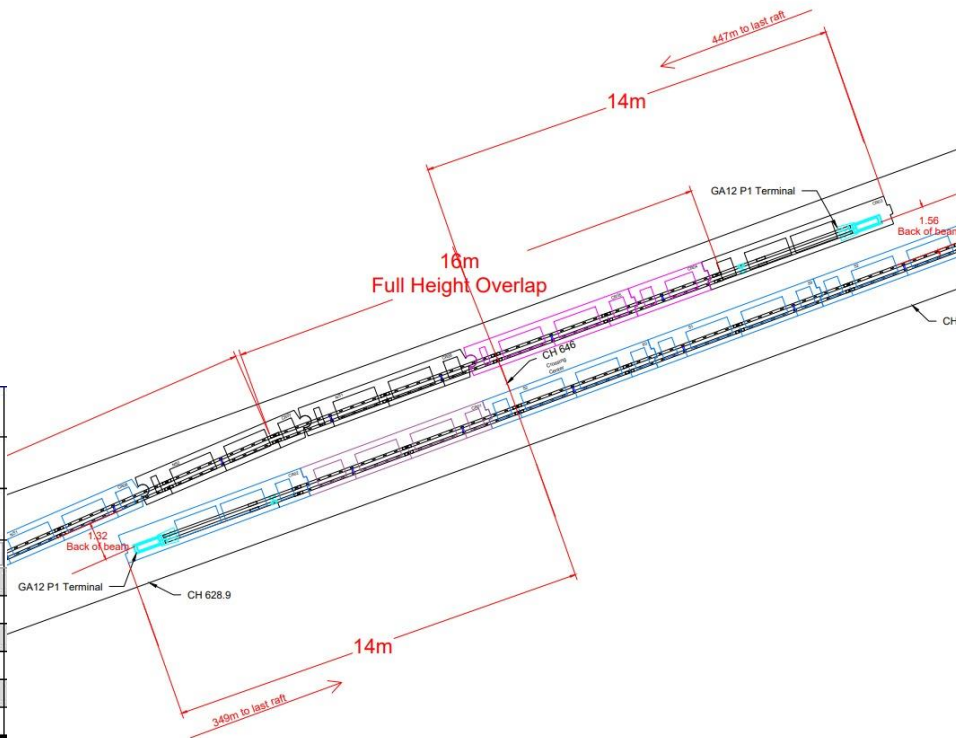
SMARTRAF[®]

MODULAR HIGHWAY SOLUTIONS

Work Smarter Not Harder with Smartraft[®]
 Smartraft[®] Designed & Manufactured off Site

- Modular System .
- Designed & Manufactured off site.
- Design, risk, and maintenance cost mitigation.
- Each manufactured Smartraft[®] has unique identification, for location on site.
- VRS damage location can be easily identified from unique Smartraft[®] reference & as built drawings.

Run	CH From	CH To	Containment Class	D/S - S/S	Raft no.	Type of Raft	Raft Width		
A	666.1	660.1	N2W3	D/S	57	Straight	1000mm		
A	660.1	654.1	N2W3	D/S	58	Straight	1000mm		
A	654.1	648.1	N2W3	D/S	59	Straight	1000mm		
A	648.1	642.1	N2W3	D/S	60	Straight	1000mm		
A	642.1	635.5	N2W3	D/S	CR01	Straight	1000mm		
A	635.5	628.9	P1	D/S	CR02	Straight	1000mm		
B	-	-	-	-	-	-	-		
B	656.9	650.3	P1	D/S	CR03	Straight	1000mm	200mm	6.594
B	650.3	647.7	N2W3	D/S	CR04	Straight	1000mm	200mm	2.643
B	647.7	641.7	N2W3	D/S	CR05	Str to Rad	1000mm	200mm	5.939
B	641.7	635.9	N2W3	D/S	CR06	Radius	1000mm	200mm	5.867
B	635.9	630.0	N2W3	D/S	CR07	Radius	1000mm	200mm	5.867



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MODULAR HIGHWAY SOLUTIONS

Work Smarter Not Harder with Smarcraft® Impact Performance



- Smarcraft® installation example incorporating N2 W3 short pin post system.
- Carriage way had been opened to traffic, with Smarcraft® not being backfilled.
- Heavy goods vehicle left carriage way & impacted barrier, resulting in 16m of VRS needing to be replaced.
- Smarcraft® performed as designed with zero lateral movement with only VRS system needing to be replaced.

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MODULAR HIGHWAY SOLUTIONS

Work Smarter Not Harder with Smartraft®
Reduction in cost for repair with VRS systems



- Reduced costs to onsite surveying to identify area which has been hit, area can be identified through initial layout drawings & Smartraft® unique identification without the need for a site visit.
- Installation team, completed repair in 1 shift, as post system could be identified by Smartraft® reference issued during design & exact materials can be easily order and supplied.
- Cost savings with Traffic Management time, giving additional HSE benefits, less operatives working on live network & less network occupancy to complete works.
- Carbon saving, no replacement concrete required.
- Additional cost saving= No concrete call out costs.
- Modular solution giving modular benefits.

Work Smarter Not Harder with Smarcraft® Reduction in cost for repairs



- Inclement weather does not prevent repairs being completed in cold conditions
- Zero ground disruption with Smarcraft® repairs, fully eliminates all risk of ground penetration including removal of traditional foundations.
- Smarcraft is pre cured off site, uniquely the network can be opened to traffic once repair has taken place without risk of non-cured, under strength concrete.
- When Smarcraft® modular foundation is used repairs can be installed over any length without props or other support measures, removing the need for additional visits.
- Repairs on pre-installed Smarcraft® can typically be 85% less than the cost of traditional methods of installation.

SMARTRAFT®

MODULAR HIGHWAY SOLUTIONS

Work Smarter Not Harder with Smartraft®

Summary

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If you would like to understand how Smartraft® can help you on your next project, or have any questions please do not hesitate to contact

Kevindavies@smartraft.co.uk for further details