



# Strata GRS

## Geosynthetic Reinforced Soil Integrated Bridge System

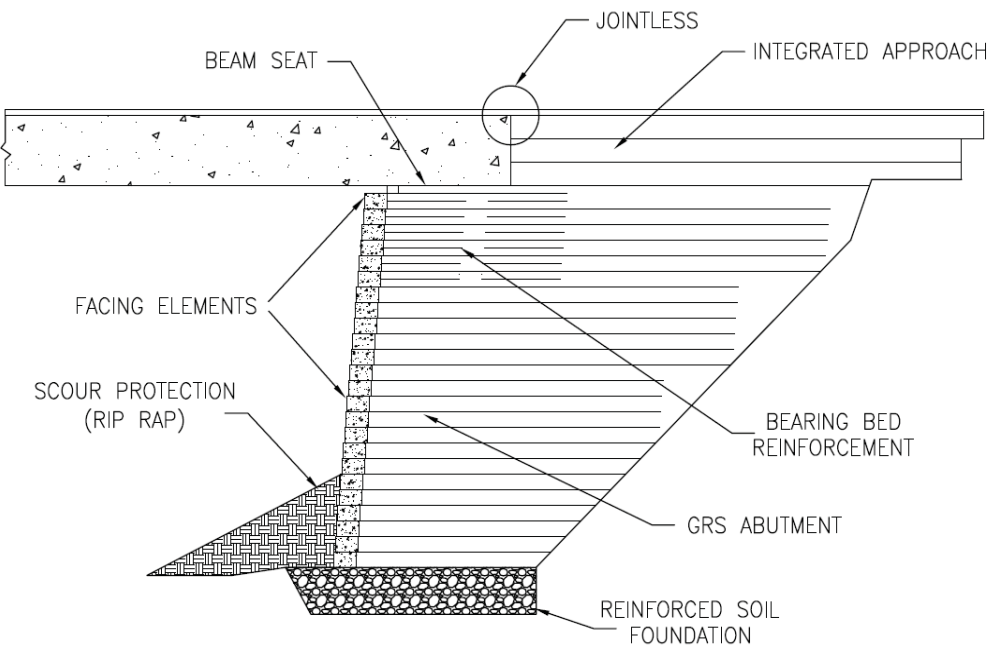
Strata GRS is used in the Integrated Bridge System as part of the FHWA's Every Day Counts (EDC) initiative. This system reduces bridge construction time and cost.

Instead of conventional bridge support technology, Geosynthetic Reinforced Soil (GRS) Integrated Bridge System (IBS) technology uses alternating layers of compacted granular fill material and closely spaced geosynthetic reinforcement to provide support for the bridge. GRS also provides a smooth transition from the bridge onto the roadway, and alleviates the "bump at the bridge" problem caused by uneven settlement between the bridge and approaching roadway.

The technology offers unique advantages in the construction of small bridges, including:

- Reduced construction time and cost, with costs reduced 25 to 60 percent from conventional construction methods.
- Easy to build with common equipment and materials; easy to maintain because of fewer parts.
- Flexible design that's easily modified in the field for unforeseen site conditions, including unfavorable weather conditions.





# A History of Quality Products

- Woven Geotextile
- High Tenacity Polypropylene
- UV Resistant
- Resists Biological Degradation

Strata products have been used in bridge support structure applications for more than 20 years. Strata is recognized for the high quality and value that it brings to these projects. This tradition continues with StrataGRS.

Call us first for your fabric needs.

## StrataGRS 4800

PROPERTY	TEST METHOD	UNITS	MARV MD	MARV CMD
Wide Width Tensile	ASTM D4595	lb/ft	4800	4800
Wide Width Tensile 2% Strain	ASTM D4595	lb/ft	960	1320
UV Resistance (500 hours)	ASTM D4355	%	80%	80%
Apparent Opening Size (AOS) *	ASTM D 4751	Sieve	30 US Std.	
Permittivity	ASTM D4491	sec -1	0.40	
Permeability	ASTM D4491	cm/sec	0.05	
Water Flow Rate	ASTM D4491	gpm/ft <sup>3</sup>	30	

Roll Dimensions: 15' x 300' (500 yd<sup>2</sup>)

\* Maximum Average Roll Value

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