





Subgrade
subgrade
StabilizationSubgrade stabilization is the process of
improving the strength and stability of a soil's
subgrade to support the construction of
roadways.Subgrade
StabilizationSubgrade stabilization can reduce construction
costs and carbon emissions by up to 50%. It can
also increase the bearing capacity of a subgrade
layer, which can support heavier loads.Subgrade Stability is important for prevention of
excessive rutting and shoving during
construction, and for limiting permanent
deformation in the subgrade.

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Stabilization





to erosion and other issues.

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· What are we designing for? What will be our final product? **Base Material** and Effects on • Will it be maintainable over time? **End Product** Stabilizers Fabrics Geo Grids · Deep base layers · Treated sub-grades



6











Compaction Methods

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Finished
Surface2012 Externel

14





15





 Calcium Chloride

 Types of

 Soy Based Products

 Stabilizers

 Liquid Wood Resins (Lignin Sulfonate)

 Water

 Many Other Chemicals are Marketed as Dust Control

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22

24

Increase in Speeds Sample all material to be treated (Sub-Base-Surface) Annual Cost of Treatment Choose the right treatment for each application Tasks That Must Disadvantages Be Completed Improper Preparation Leading to Failure Material Specs must be used for determining proper of Surface product Prior and During Work with a consultant for testing and design when needed Treatments Material Issues Stabilization Application Issues Proper construction practices Complaints From Others Who Don't Recieve It 2024 Local Roads Conference 2024 Local Roads Conference

23

