

Specifiers Checklist (Subgrade Stabilization)

Alternate/ "Or Equal" Performance Testing Evaluation for Subgrade Stabilization

Project Name:
Project Location:
Project Number:
Owner:

Engineer of Record:
Original Specified Product(s):
Alternate/"or Equal" Product Under Review:
Company Name/Person Proposing Alternate:

Original Geogrid Design Parameters

1. Loading Condition
2. Subgrade Strength
3. Currently Approved Geogrid
4. Aggregate Thickness
5. Aggregate Thickness Reduction (%)
6. Predicted Mr on top of aggregate (if applicable)
7. Predicted Service Life (if applicable)
8. Predicted Deformation
9. Cost Saving(%)
10. Material Savings(CY)
11. Time Savings(days)

Alternate/"Or Equal" Design Parameters

1. Loading Condition
2. Subgrade Strength
3. Currently Approved Geogrid
4. Aggregate Thickness
5. Aggregate Thickness Reduction (%)
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10. Material Savings(CY)
11. Time Savings(days)

Alternate/"Or Equal" Performance Evaluation (*Calibration, Validation, and Verification Required*)

Calibration: Accelerated Pavement Testing(APT) in compliance with NCHRP Report 512 and Synthesis 325

YES NO

1. Full-scale wheel and/or plate load testing performed on the specific product(s) to evaluate performance?
2. Testing performed evaluated ruts between 40mm to 100mm?
3. Five case Histories provided, on the specific product being supplied, that demonstrate product holds up under normal construction activities?
4. Report or letter from the authors of the Giroud-Han methodology verifying that the methodology used for this product has gone through the proper calibration?



Alternate/"Or Equal" Approval Status

Approved

1. Alternate product has been properly calibrated, validated and independently reviewed as shown above. ("Yes" to all performance qualifiers)

2. Percent AB reduction or increased traffic capacity confirmed to meet the original design.

Rejected

1. Insufficient information provided to evaluate product performance

2. Alternate product has **NOT** been properly calibrated, validated and independently reviewed as shown above. ("No" to one or more of the performance qualifiers)

