

1450000 Geosynthetic Reinforcement

COMMENTS FROM INTERNAL/INDUSTRY REVIEW

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145-3: Should the option be provided for the Engineer to accept? "Otherwise, the material may be rejected at the discretion of the Engineer"?

145-3: What will the geosynthetic materials be replaced with? Similar material, like material, or material from the same manufacturer, product name, style number, roll dimension and LOT number? or some other criteria?

Should a reference to Repair per 145-4.2.4 also be included?

Should 145-4.2.4 include more details about the material to use? 145-4.2.4 states "same material" can this include other manufacturer's material or use tighter language "material from the same manufacturer, product name, style number, roll dimension and LOT number"?

145-4: Will the engineer approve the instructions.

145-4.2.2: In Section 145-3.1 "at no additional cost" is used while here "at no additional expense" is used.

Response:

- (1) The option to accept is based on the certification requirements of 145-5. The material can be rejected if any of the specification requirements are not met.
- (2) It is understood that if the material has defects, tears, punctures, flaws, deterioration, or other damage, then the Contractor must replace with geosynthetic material that does not have any of these defects mentioned hereabove and meet the requirements of 145-3.1.
- (3) The repair procedure in accordance with 145-4.2.4 is for placement when the material happens to get damaged during installation. Section 145-3 references the material requirement for when the product is delivered and stored at the project site. Defective material upon delivery should be replaced per 145-3.1 and repair is not an option.
- (4) The Plans require geosynthetic material to meet minimum strength and other parameters. The geosynthetic material must meet the parameters specified in the Plans and in accordance with Section 985. The repair procedure requires the repaired material to meet those parameters. Specifications 145-4.2.4 state that the material must be replaced with same material and not similar or equivalent.
- (5) The Engineer does not approve the instruction but would need to obtain a copy and review the instructions. The specification supersedes the instructions, but the instructions are required from the manufacturer for anything that is not covered in the specification.

(6) Agree. We will revise to use "cost" instead of "expense".

Action:

- (1) No revision is needed.
- (2) No revision is needed as it is understood that the replacement should be material meeting the requirements of 145-3.1.
- (3) No revision is needed as repair should not be part of 145-3.1.
- (4) No revision is needed as repairs must be with the same material and not with similar or equivalent material.
- (5) No revision is needed as instructions are supplemental to specifications. If something in the instructions contradicts the specifications, then the specification supersedes the instructions.
- (6) Revised to state "cost".
