COLORADO DEPARTMENT OF TRANSPORTATION

PRE-APPROVED PRODUCT EVALUATION REQUEST & SUMMARY

Reference No. 2550-03

Materials Laboratory
Colorado Department of Transportation
4201 East Arkansas Avenue
Denver, Colorado 80222

PART 1: Completed by Product Representative
PART 2: Completed by CDOT Product Evaluation Coordinator
PART 3: Completed by CDOT Expert Product Evaluator
PART 4: Completed by CDOT Materials Engineer

PART 1

Product name: S150

Product category: Environmental\Erosion Control\Soil Retention Blanket (Permanent)

Product representative (name & address):
Nilex Corp. {Dean Lamanna}
15171 E. Fremont Dr.
Centennial, CO 80112
Phone: (800) 537-4241 FAX: (303) 766-1110

Manufacturer (name & address):
North American Green, Inc. {Rob Lawson}
14649 Hwy 41 North
Evansville, IN 47725
Phone: (800) 772-2040 FAX: (812) 867-0247

Description of product, (be precise, include product differentiation between your products &/or competitor's products):
S150 is a double-netted, 100% straw erosion control blanket stitched on 1.5 inch centers, as opposed to 2.0 inch or wider stitching of many competitors. Stitching the blankets on tighter intervals helps to retain more of the straw matrix material during installation and field conditions. The two nets and thread are composed of photodegradable polypropylene. The S150's functional longevity is approximately 12 months.

Usage of product, (be specific to CDOT highway activities only):
S150 is most applicable for 3:1-2:1 slopes and moderate flow channels often encountered along transportation corridors.
S150 is intended for use in areas where vegetation alone will eventually provide the permanent means of erosion control.

Benefits to CDOT, (how will your product enhance quality, improve safety, save money, be a better value then other manufacturer's products):
In comparsion to the rock and concrete often used for erosion control in drainage channels and on slopes, rolled erosion control products (RECPs) like the S150 can save up to 33% on material cost and labor. Since these products are designed to work in conjunction with vegetation (mainly grasses) maintenance is no more difficult than normal, pre-existing highway maintenance operations. The obvious safety advantages stem from the fact that rock and concrete are not involved.

Specifications, (identify specifically those applicable) **& Certificate of Compliance** (submittal required):

- ■ CDOT : Standard Specifications, 2005, Section 216
- ☐ ASTM :
- ☐ AASHTO:
- ■ FHWA : FP-03, Section 713, Type 2D, Short-term Double-Net Erosion Control Blanket or Open Weave Textile
- ☐ other :

Product testing, (national/independent laboratories) **& Certified Test Report** (submittal required):

- ■ NTPEP-AASHTO: 2005 NTPEP Report 12001.4
- ☐ HITEC or FHWA :
- ☐ FHWA or other :
- ■ other : Texas Transportation Institute (October 4, 2001)

State DOT Approvals, (current documentation required):
NE, TX, VT, WA, WI

Evaluation Procedure, (recommended):
Compare S150 to other products currently on APL. Base comparison on physical properties, performance, and cost vs. benefit

Sample submitted: ■ yes ☐ no ☐ n/a | Materials Safety Data Sheets (MSDS): ■ yes ☐ no ☐ n/a

Notes/Additional Comments
North American Green's products are heralded as the highest quality products in the industry and we are the only manufacturer who offers an exclusive performance guarantee on all of our products. You can count on North American Green and its distributors for on time delivery everytime.

Manufacturer's Web-site address: www.nagreen.com

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