COLORADO DEPARTMENT OF TRANSPORTATION

PRE-APPROVED PRODUCT EVALUATION REQUEST & SUMMARY

Reference No. 2837-06

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: Acoustax Noise Barriers

Product category: Environmental\Sound Wall\Absorptive

Product representative (name & address):
Jack Starbird
10709 14th NE
Seattle, WA 98125

Phone: (206) 856-9124 FAX:

Manufacturer (name & address):
Diamond Mfg. Co. {Lee Plank}
243 W 8th Street, PO Box 174
Wyoming, PA 18644

Phone: (800) 233-9601 FAX: (570) 693-3500

Description of product, (be precise, include product differentiation between your products &/or competitor's products):
Acoustax Noise Barriers are built to absorb noise not reflect it. Panels are constructed of perforated aluminum face with a solid aluminum back panel. The panels are 3" thick and can range in length up to 10'. The cavity is filled with 6 lbs per cu. ft. mineral wool. Panels are placed between upright steel beams mounted in concrete or attached to bridges. Each panel is painted with primer and powder coat paint. The NRC is 1.045 and the STC rating is 34. Weight per square foot is 3 lbs. which makes the panels easy to install with a minimum of equipment and time.

Usage of product, (be specific to CDOT highway activities only):
On highways and bridges. Also used to reduce noise around machines, electrical substations and HVAC equipment.

Benefits to CDOT, (how will your product enhance quality, improve safety, save money, be a better value then other manufacturer's products):
Noise absorbed not reflected. Very happy neighborhoods. Graffiti proof paint available. Light weight means heavy equipment is not necessary for installation. Perforated front and solid back panels can be painted different colors.

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

- ☐ CDOT :
- ■ ASTM : C 423, E 90, E 413, E 1332
- ☐ AASHTO:
- ☐ FHWA :
- ☐ other :

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

- ☐ NTPEP-AASHTO:
- ☐ HITEC or FHWA :
- ☐ FHWA or other :
- ■ other : Architectural Testing, Inc. (05/15/2001)

State DOT Approvals, (current documentation required):
Ohio

Evaluation Procedure, (recommended):
Trial if desired

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

Notes/Additional Comments
We hope we can work with you on future noise control problems.

Manufacturer's Web-site address: www.acoustax.com and www.diamondman.com

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