COLORADO DEPARTMENT OF TRANSPORTATION

PRE-APPROVED PRODUCT EVALUATION REQUEST & SUMMARY

Reference No. 2835-06

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: Whisper Wall

Product category: Enviromental\Sound Wall\Absorptive

Product representative (name & address):
Concrete Systems Northwest {Everett Temme}
1299 156th Avenue N.E. Suite 150
Bellevue, Washingtong 98007
Phone: (425) 865-8391 FAX: (425) 747-5892

Manufacturer (name & address):
Concrete Systems Northwest {Everett Temme}
1299 156th Avenue N.E. Suite 150
Bellevue, Washingtong 98007
Phone: (425) 865-8391 FAX: (425) 747-5892

Description of product, (be precise, include product differentiation between your products &/or competitor's products):
A typical WHISPER WALL noise panel is 8 inches thick with 4 inches of sound absorptive mixture and 4 inches of structural, 5000 PSI, normal weight concrete. The sound absorbing mixture consists of recycled rubber tire chips, specialized aggregates, polymers, and cement. Standard highway surface design consists of vertical rows of ribs, but custom designs can be done as specified. Sound absorptive surface may be stained to desired specification. Maximum panel span is 24 feet, and height varies from a minimum of 4 feet to a maximum of 10 feet. Panels can be stacked as high as 54 feet. The panels are supported by either concrete or steel posts. WHISPER WALL has a .80 noise reduction coefficient and a sound transmission class rating of 42.

Usage of product, (be specific to CDOT highway activities only):
Absorbs highway-generated noise and blocks the view of unsightly traffic to residential areas. Also used for construction sites, industrial properties, public utility substations and big box retail.

Benefits to CDOT, (how will your product enhance quality, improve safety, save money, be a better value then other manufacturer's products):
The sound absorbing material on the wall channels and dissipates sound energy and increases durability. It will not trap or wick moister. It is insect resistant, will not rot, and materials will not decompose unlike competitors that use wood chips. WHISPER WALL is durable and completely impervious to the elements. It is the most durable absorptive noise wall available on the market. WHISPER WALL is cost competitive, aesthetically pleasing and deters graffiti.

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

- ☐ CDOT :
- ■ ASTM : C 423, E 90, C 666, C 672, E 84
- ☐ AASHTO:
- ☐ FHWA :
- ☐ other :

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

- ☐ NTPEP-AASHTO:
- ☐ HITEC or FHWA :
- ☐ FHWA or other :
- ■ other : Riverbank Acoustical Lab. (8/23&30/2002), Intertek Testing Services (6/14&15/2001), CTL ('93 & '02)

State DOT Approvals, (current documentation required):
Indiana

Evaluation Procedure, (recommended):

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

Notes/Additional Comments
The WHISPER WALL system has been in use since 1994 and today over 12 million square feet have been installed in the United States, Canada and Puerto Rico.

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

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