

Work Zone Intrusion Alarm Demonstration



August 10, 2009

SonoBlaster![®]



Demonstration Project

- Non-electronic mechanical alarm
- Protecting workers in active WZ
- FHWA trying a practical evaluation

Demonstration Project

- Non-electronic mechanical alarm
- 2006 Purchase order of 2500 units



SonoBlaster

Demonstration Project

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- 2008 Field Tests began

Demonstration Project

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- 2006 Purchase order of 2500 units
- 2008 Field Tests began
- 2009 Evaluation Reports & Comments
 - Interim Project Report July 2009



Demonstration Project Interim Report

- 48 sets of twenty-five units distributed to date
 - State DOTs
 - Construction & Maintenance
 - Local Agencies
 - 4 Cities
 - 3 County DPWs
 - 2 Police Agencies
 - 1 LTAP Center

Demonstration Project Interim Report

- Comments:
 - Cones with unit are not easily stored
 - Too much time to set up and take down, setting off unit if not careful
 - Cocking the unit is hard to do
 - Difficult to verify unit is “armed”



8th Ave

EQUIP EXPRESS
TRAVEL CENTER

EXIT 285
Navajo Co
Fairgrounds

Demonstration Project Interim Report

- Comments: Operation

We tested it... It was not loud enough.

- 45 MPH at 100' distance run over cone
- 280' on active guardrail replacement
- Sound seemed to be directional
- 160' & 80' at 2:00 AM
- High speed traffic at 20'



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Demonstration Project Interim Report

- Comments: Suggested uses
 - + Low speed roads
 - + Warehouse blind spots
 - + Gas Tanker offloading space
 - + Bear Scare

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 - + Beer Cooler!!!!!!!!!!

Demonstration Project Interim Report

- Improvements:
 - Increase sound level and duration
 - Ease the “cocking” action
 - Modify attachment method
- Transpo Industries Inc...

“We feel we have improved the Sonoblaster unit to meet the complaints and suggested improvements from your field use feedbacks. We would like to send each one of the govt agencies we shipped the units to on the original round two(2) of the remanufactured units...”



WZ Intrusion Alarm Demonstration Project

- 50 Sets of “RETOOLED” units still available
- Interim Report on back table

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