COLORADO DEPARTMENT OF TRANSPORTATION

PRE-APPROVED PRODUCT EVALUATION REQUEST & SUMMARY

Reference No. 2679-05

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:
Silent Messenger - (Models: MB-3048, MB-3748, MB-4048)

Product category:
TC\PCMS\Trailer Mount, 750 Ft Legibility

Product representative (name & address):
Solar Technology, Inc. {William Wellman}
7620 Cetronia Road
Allentown, PA. 18106
Phone: (610) 391-8600 FAX: (610) 391-8601

Manufacturer (name & address):
Solar Technology, Inc. {Diane M. Zerphy}
7620 Cetronia Road
Allentown, PA 18106
Phone: (610) 391-8600 FAX: (610) 391-8601

Description of product, (be precise, include product differentiation between your products &/or competitor's products):
Silent Messenger is solar powered with a 300 watt peak power output on the MB-3048, 375 watts on the MB-3748, and 450 watts on the MB-4048. All three models have a panel size of 126" wide x 76" high. Battery capacity is 8 normally and 12 with auxiliary. Full matrix graphics capability, with a display technology that is an amber LED of 592nm. Twelve characters per line with a maximum of three lines. There is a 200 pre-programmed and user programmed message capacity.

Usage of product, (be specific to CDOT highway activities only):
Traffic Safety, Maintenance Activity, Driver Awareness, Emergency Response, Work Zone Safety, Amber Alerts, Homeland Security.

Benefits to CDOT, (how will your product enhance quality, improve safety, save money, be a better value then other manufacturer's products):
ISO 9001:2000 Certified, this means our manufacturing process insures that a quality product must be delivered since they are built to exacting standards that are quality controlled. Our devices are solar powered and offer low maintenance with no fuel costs and are environmentally friendly. Our warranty exceeds all other manufacturers with a 1 year bumper to bumper warranty, 2 year warranty on the electical and electronic components, a 5 year warranty on display modules, and a 10 year warranty on the solar panels. Differentiation between our product and competitors is increased angularity of our devices.

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

- ■ CDOT : CDOT Work Zone Safety Guideline
- ☐ ASTM :
- ☐ AASHTO:
- ☐ FHWA :
- ■ other : MUTCD, 2003 - Section 6F.55

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

- ■ NTPEP-AASHTO: NTPEP Report 7002.1 [PCMS(2004)-7]
- ☐ HITEC or FHWA :
- ☐ FHWA or other :
- ■ other : Delserro Engineering Solutions, Inc. ()6/22/2004)

State DOT Approvals, (current documentation required):
AL, IN, KY, MO, OR, PA

Evaluation Procedure, (recommended):
Product Demo

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

Notes/Additional Comments
The following states indicate approval of the Silent Messenger, but do not indicate a model number: FL, GA, MN, NY, NV, SC, WA.

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

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