Beneficial Designs, Inc.

High Efficiency Trail Assessment Process (HETAP) Software 2.0

Quickly and accurately collects objective information for the assessment of trails and sidewalks

Station Data Recording

- Automated recording of grade, cross-slope and distance at all stations – Allows manual recording and editing
- Automatic GPS position capture at all stations with 15 ft X Y location and 50 ft elevation using Garmin GPS 18
- Raw data spreadsheet editing of grade, cross-slopes, tread width, and surface information
- Automatic tracking of in or out slope trail tread
- Previous station data is always visible
- Automatic image capture of trail at all stations using an auto focus USB camera
- Programmable alarms provide smart station feedback on changing grade and cross-slope conditions
- Automatic carry over of repeating entries including tread width and surface category and type
- Forward and backward recording mode with highlighted background

Feature Data Recording

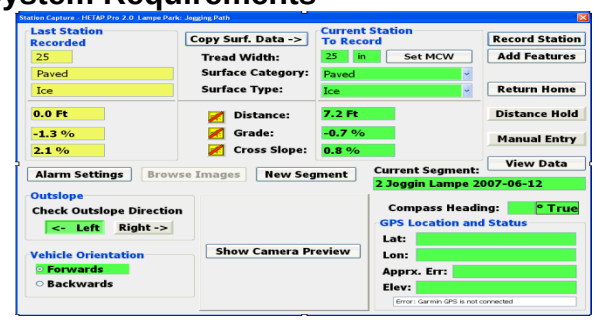
- Feature recording of feature type, size, remaining tread width, and actions required
- Editing and manual entry of feature information allowed for any distance location
- Provides for the objective recording of surface firmness and stability using a Rotational Penetrometer (Jogging stroller is modified to carry the Rotational Penetrometer)
- Manual image capture of features

System Features

- Semi-automated file naming to streamline organization of park, trail, and segment data structure
- Data center allows combining, reversing, and splitting of trail segments
- Automatic creation of Trail Access Information Summary Report
- Data Center allows creation of reports with sorting of features by type, height, remaining tread width, etc.
- Cover sheet information for reporting park, trail, and segment information
- Data Center allows creation of reports with sorting of station specific grade, cross-slope, tread width, and surface information
- Data Center allows creation of reports with Rotational Penetrometer firmness and stability information

Computer Hardware and Operating System Requirements

- Water resistant laptop or table computer suggested, 1 GHz processor or above with minimal RAM and hard drive requirements
- Windows 7, Vista, and XP compatible
- Three USB ports required for sensor box, GPS, and camera



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