Introduction to the Mobile Computer Project
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MOBILE COMPUTER
PROJECT COMPONENTS

1. HARDWARE
2. GIS
3. GPS
4. PREPLAN
HARDWARE

- Military grade mobile PC with GIS and Preplan software
- Touch Screen interface
- Programmable “HOT” keys
- No Mouse or Keyboard
- Cellular communication through wireless modem
- Internal GPS receiver
DCI-CORPORATION

“Predator III”

Programmable Function Keys
1500 NIT Direct Sunlight Readable Display
12.1” Active Matrix TFT-LCD (800x600)

13 GB Standard up to 20GB
VGA Port
Up to 5 Serial Ports
10/100BASE-T Fast Ethernet
Internal GPS
Internal CD ROM
Parallel Port
STATION MAPS

Full Size Maps at all Stations
BOOK MAPS

Close Up of Individual Footprints
Are there problems with maps?

Problems Using Paper Maps

- Objects Can be outside the bounds of the Map
- Information Can be Missing (Omitted)
- Excess Information can be shown (Committed)
- What You See is What You Get (Static)
- The information is outdated once the map is printed
GPS – Global Positioning System

- Constellation of 24+ satellites providing accurate location information in conjunction with ground instruments both end-user and Department of Defense
- Based on time measurements between satellites and ground instruments
- Requires line of sight between satellites and ground instruments thus will not function indoors
- GPS Location displayed within Map Mobile GIS software
PREPLAN INFORMATION

- Floor plans and photos
- Structural Information
- Access Information
- Water Supply Information
- HAZMAT and DOT guidebook
- Strategy Information
- Contact Information
CADI ZONE

First Look Pro

View Mode

Occupant # 52 of 22355
Calf Pen Meadow School
PrePlan ID: 0000000150
Address 1: 566 Welch's Point Rd
City: Milford
State: CT
Zip: 06460
Occupancy Type: Elementary School
Cross Streets: Buckingham Ave. & Indian River Rd.

Structural Information

Construction Class:
Non-Combustible

Overall Dimensions:
Length: 55%
Width: 55%
Height: 55%

# of Stories: 1

Fire Flow Rate:
State Univ. Method: 55%

Roof Construction:
Metal Deck with Steel

Notes:
Truss Const. = N/A
Parapet Walls = 0

Diagram # 2 of 4

Name: 566 Welch's Point Rd
Path: Viewer/3D/ADDRESS/WELCHS POINT RD
FLOOR PLAN DRAWINGS

Fire Zone
HOW WILL IT WORK?
HOW WILL IT WORK?

1. 911 Call into dispatch
2. Address ‘string’ sent from dispatch to appropriate unit over wireless connection via TCP/IP
3. Address ‘String’ read by First Look Pro and Map Mobile
4. Address matched in First Look Pro and Map Mobile