Intelligent Road/Rail Information System

IRRIS

Highways & Railroads for National Defense

For: Symposium on Weather Information for Surface Transportation

by:
Paul Allred
2 December 1999

Military Command Structure

Improve the deployability of the U.S. Armed Forces

U.S. Transportation Command

Military Sealift Command (Water)

Military Traffic Management Command (Land)

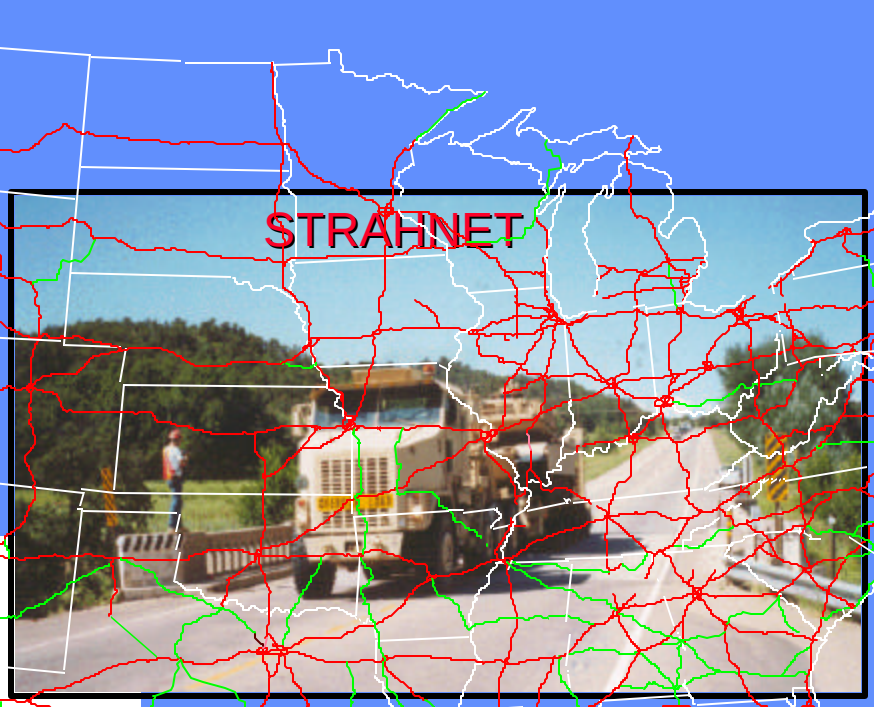
Air Mobility Command (Air)

Transportation Engineering Agency (Land)

TEA - Turning Today's Visions into Tomorrows Strengths

STRAHNET

Strategic Highway Network



LEGEND

INTERSTATE HIGHWAY - 45,376 mi
- CONUS 44,376 mi
- OCONUS 1,000 mi

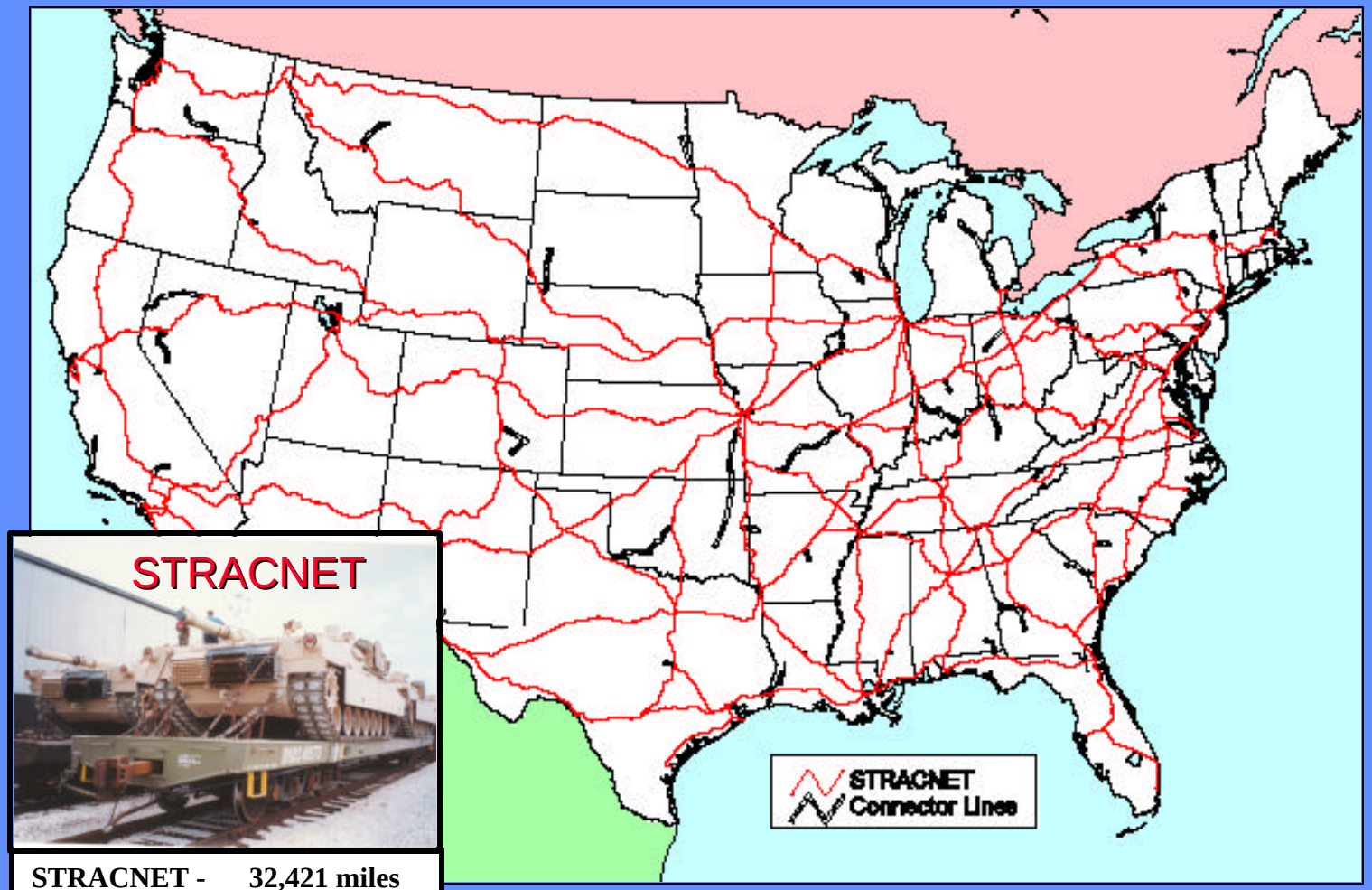
NONINTERSTATE HIGHWAY - 15,668 mi
- CONUS 15,015 mi
- OCONUS 653 mi

TOTAL SYSTEM - 61,044 mi

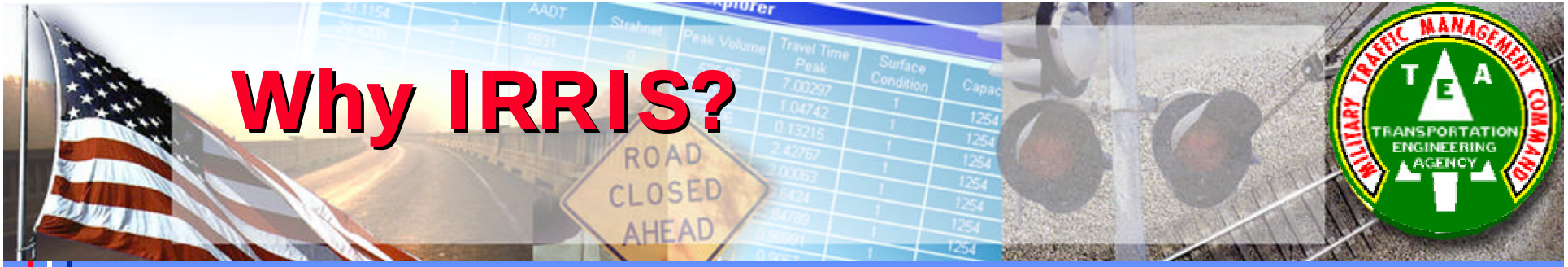
OCONUS INCLUDES ALASKA, HAWAII, & PUERTO RICO

STRACNET

Strategic Rail Corridor Network



STRACNET - 32,421 miles
Connector Lines - 5,378 miles



Why IRRIS?

- Provide military deployment officials with route guidance based on real-time information
- Leverage Federal, state, and local Intelligent Transportation Systems for military use

IRRIS Goals

- Provide Road/Rail Status Information for PPP Deployment Routes
  - Web based
  - Easy access
  - Add real time information
- Improve Force Closure for Deployment
- Expand Unit Deployment Training

DEMONSTRATION Web Site:
http://207.140.67.27/default.htm

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Links

IRRIS - INTELLIGENT ROAD/RAIL INFORMATION SYSTEM

MAP CONTROLS

- Site Tools
- Zoom Tool
- Map Layers
- Map Settings
- Query Data

Construction Alerts

Select Study Area
Data Dictionary
Site Help
User Links
Site Feedback

Welcome to IRRIS

IRRIS, the Intelligent Road/Rail Information System, was developed by MTMCTEA to provide near real-time access to road and rail condition information. IRRIS provides interactive access to a variety of spatial information.

Begin by choosing Select a Study Area from the main menu...

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Local intranet zone

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ROAD
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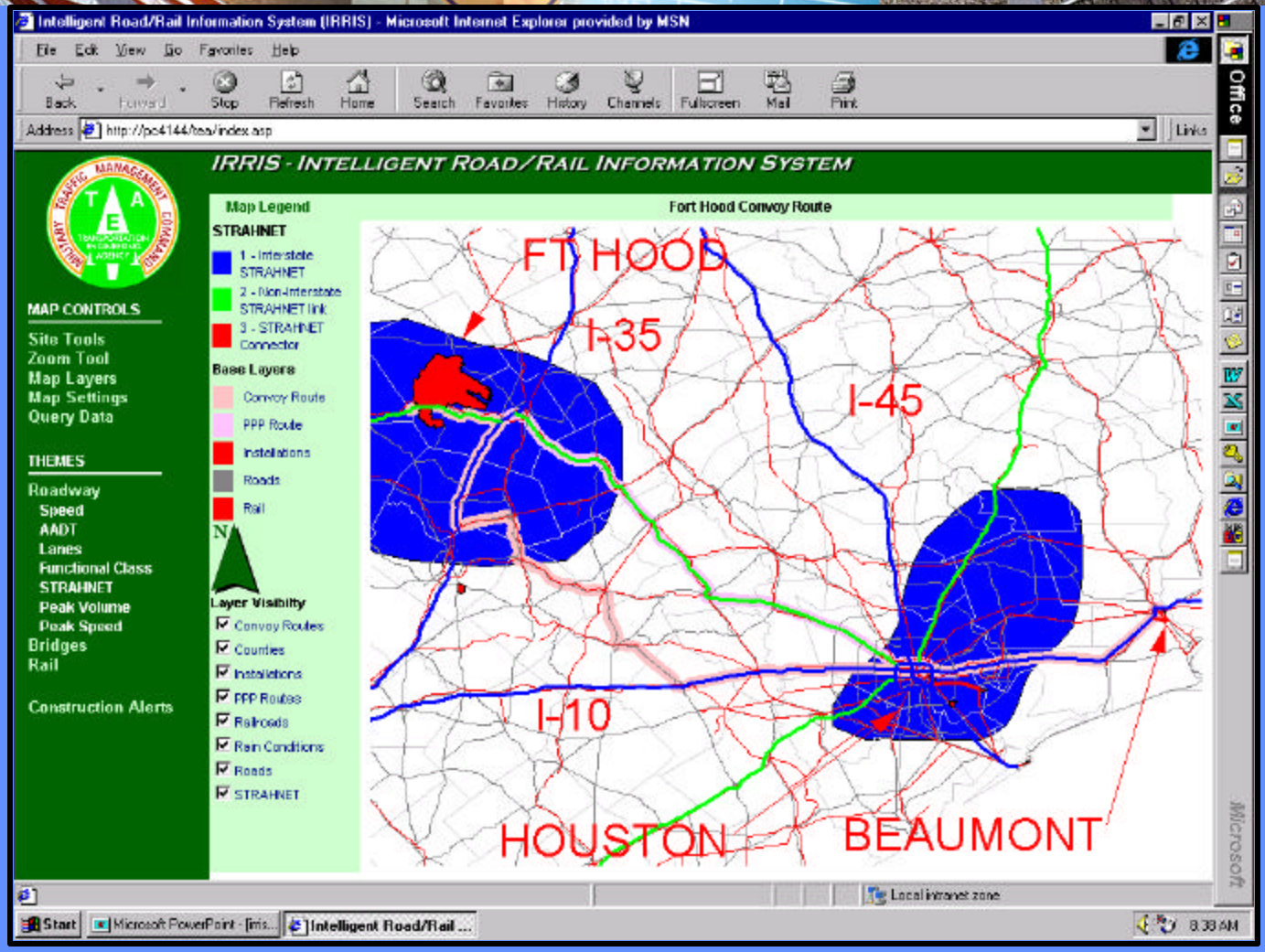
AHEAD
MILITARY TRAFFIC MANAGEMENT COMMAND
T E A
TRANSPORTATION ENGINEERING AGENCY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Speed
AADT
Lanes
Functional Class
STRAHNET
Peak Volume
Peak Speed
Bridges
Rail
Construction Alerts
Map Legend
STRAHNET
1 - Interstate STRAHNET
2 - Non-Interstate STRAHNET link
3 - STRAHNET Connector
Base Layers
Convoy Route
PPP Route
Installations
Roads
Rail
N
Layer Visibility
Convoy Routes
Counties
Installations
PPP Routes
Railroads
Rain Conditions
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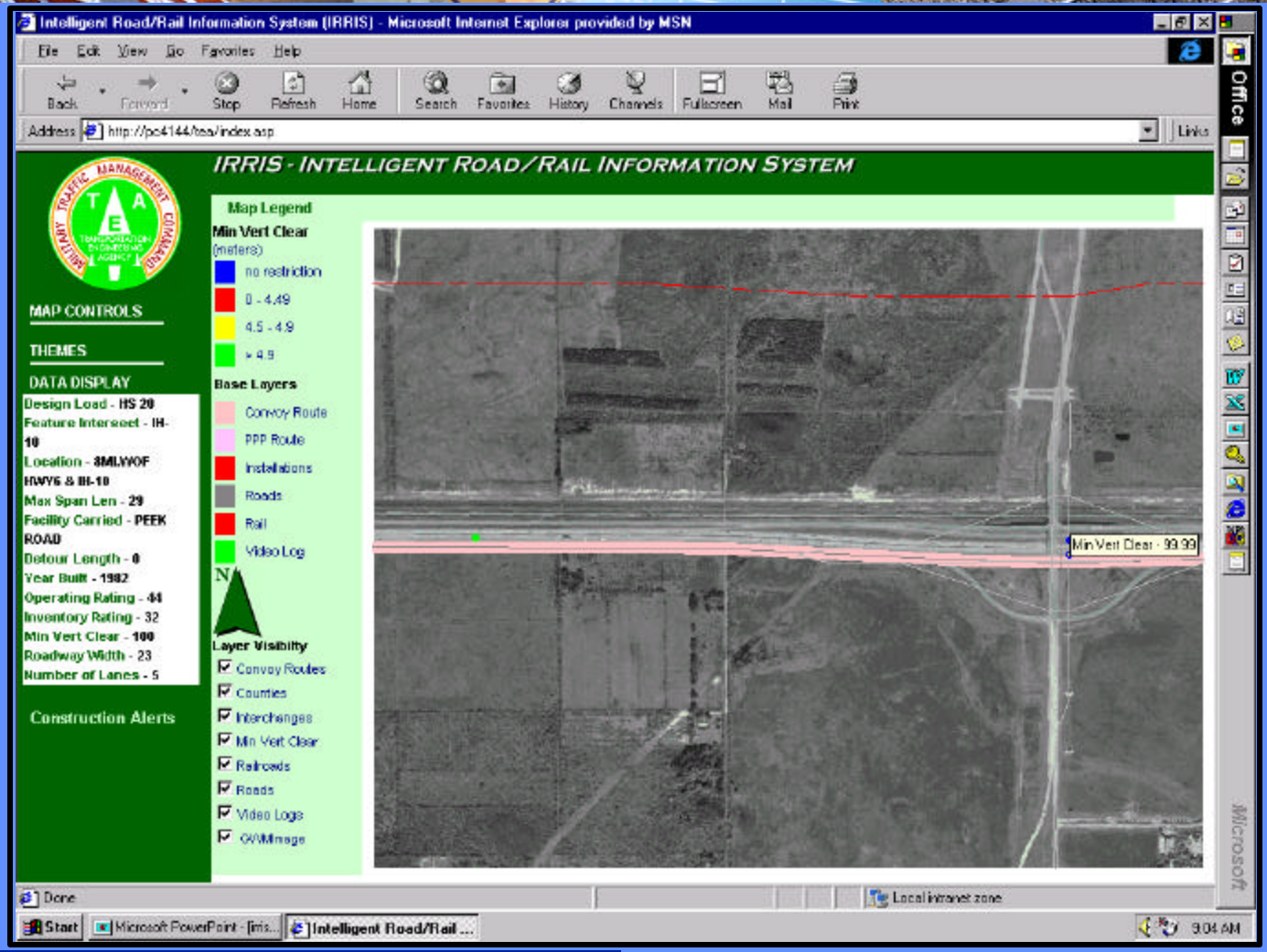
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MAP CONTROLS
THEMES
DATA DISPLAY
Design Load - HS 20
Feature Intersect - IH-10
Location - 8MLWOF HWY6 & IH-10
Max Span Len - 29
Facility Carried - PEEK ROAD
Detour Length - 0
Year Built - 1982
Operating Rating - 44
Inventory Rating - 32
Min Vert Clear - 100
Roadway Width - 23
Number of Lanes - 5
Construction Alerts
Map Legend
Min Vert Clear (meters)
no restriction
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4.5 - 4.9
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Base Layers
Convoy Route
PPP Route
Installations
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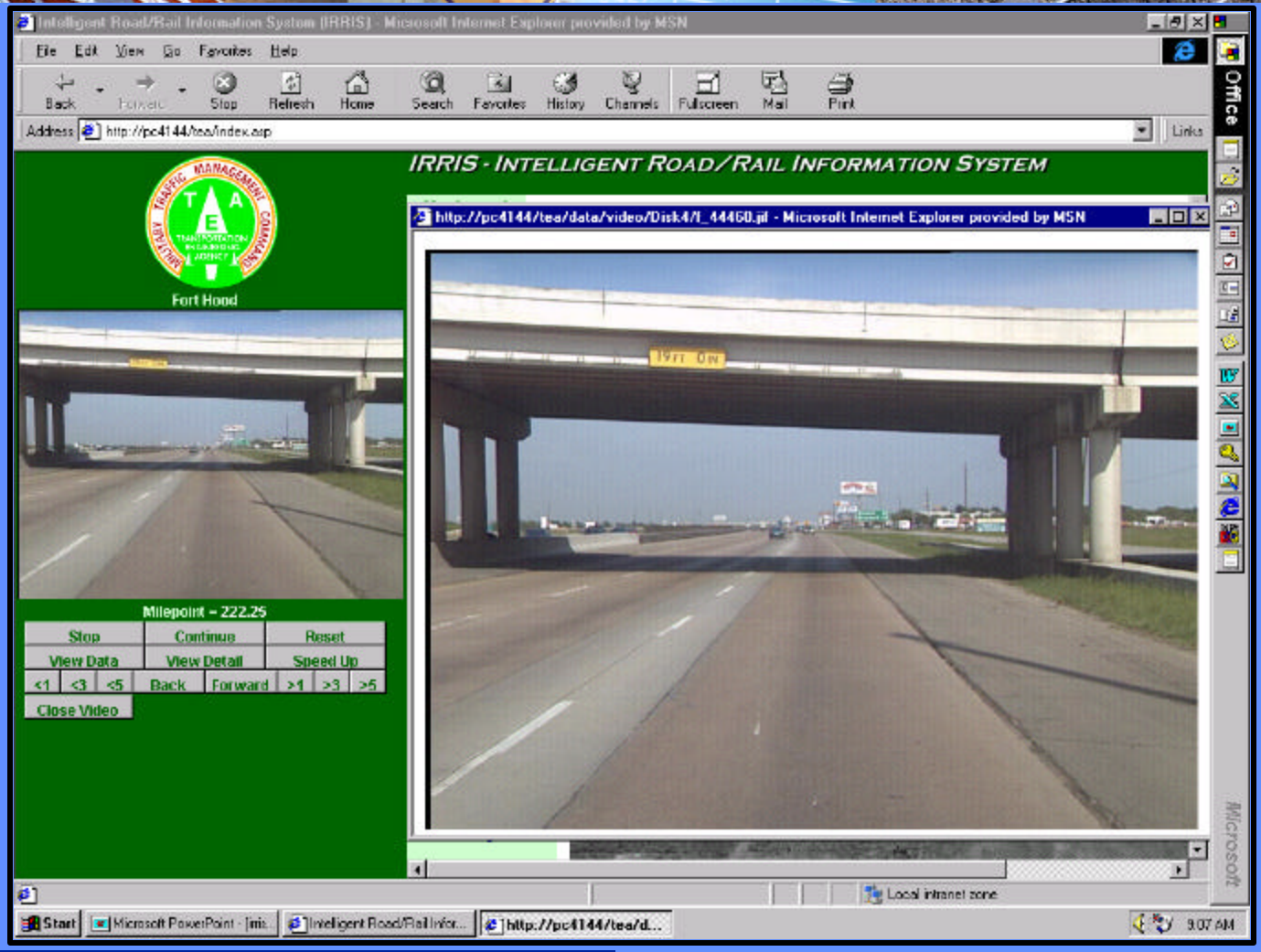
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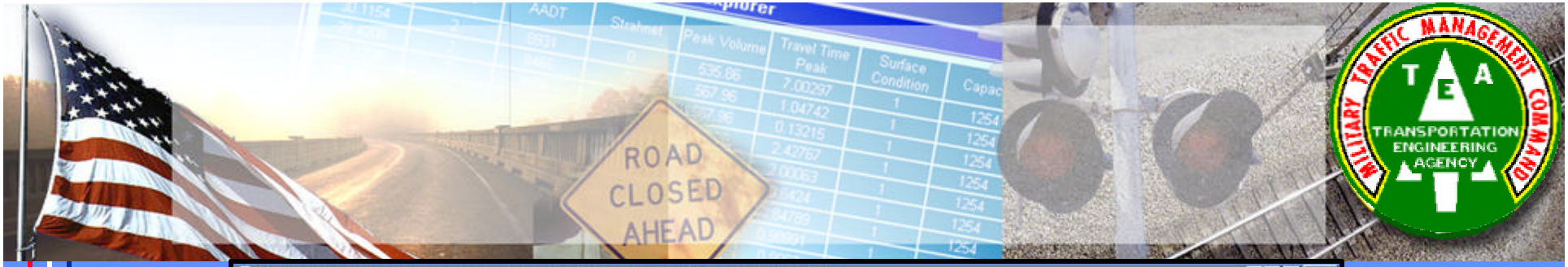

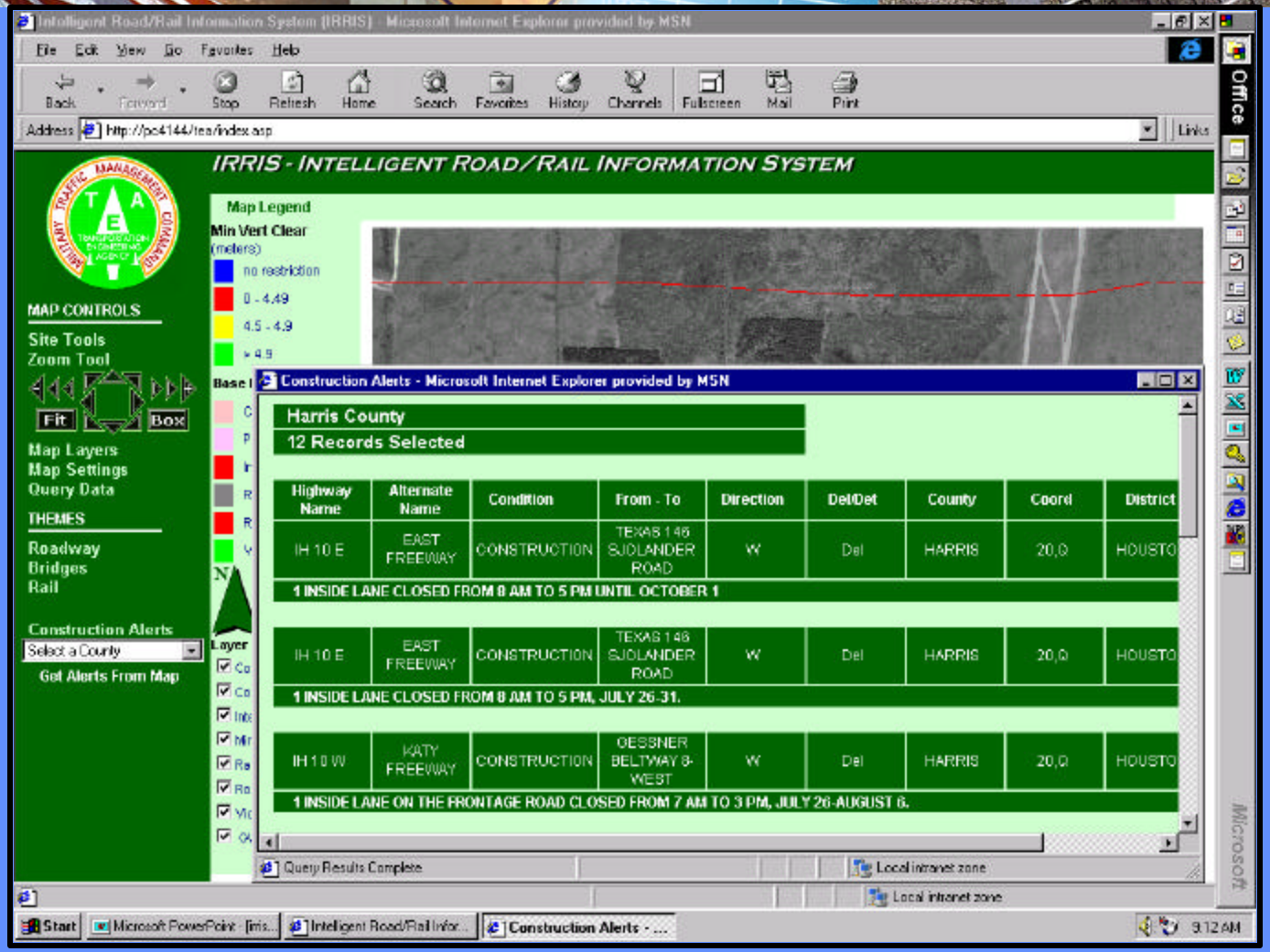

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Military Traffic Management Command
Transportation Engineering Agency
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Channels

Microsoft Channel Guide

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IRRIS NEWS

IRRIS ALERTS

Weather

Construction

Severe Weather Warnings

8/4/99 (5:00 PM) Thunderstorms

Harris County

Severe Thunderstorm warning until 7:00 PM

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Address http://pc4144/tea/TEAChannel/construction.htm

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Microsoft Channel Guide

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IRRIS NEWS

IRRIS ALERTS

Weather

Construction

News and Technology

Important Construction Alerts

8/4/99 (8:23 AM) IH 10 Closure

(KATY FREEWAY) W IH 610-WEST LOOP - IH 610-WEST LOOP

TOTAL CLOSURE FROM 8:30 M TO 5 AM.

8/4/99 (8:23 AM) IH 40 Width Restriction

ROSS/OSAGE STREET - GEORGIA STREET

NO PERMITS OVER 10' WIDE. RECONSTRUCTING THE IH 40/IH 27 INTERCHANGE

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- Military Traffic Management Command
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