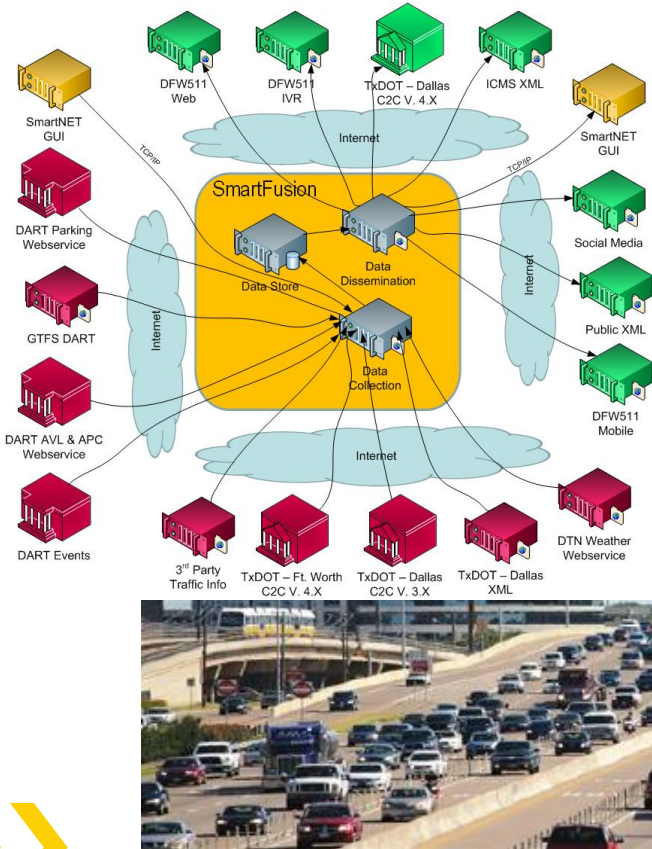


US-75 INTEGRATED CORRIDOR MANAGEMENT: SmartNET



**OPERATE THE
US-75 CORRIDOR
IN A TRUE
MULTIMODAL,
INTEGRATED,
EFFICIENT, AND
SAFE FASHION
WHERE THE
FOCUS IS ON THE
TRANSPORTATION
CUSTOMER.**

One of the main tools the ICM System uses is SmartNET™ which is the combination of the SmartNET graphical user interface and the SmartFusion data fusion subsystems. The SmartFusion subsystem gathers data from a variety of sources and delivers it, through every type of user service, to multiple destinations. Information is gathered from transportation systems, emergency management systems, dispatch systems for law enforcement, and other types of systems. The SmartFusion system then makes this information available via a web server to traditional users such as Traffic Operations Centers, the Media, and Agency and public websites.

In addition, SmartFusion offers innovative information delivery services such as Personal Travel Service updates and access to Interactive Voice Response traveler information via 511.

The SmartNET subsystem is a web-based Graphic User Interface that enables transportation management centers police, emergency responders, private entities, and any organization in the ICM network to share important information with each other, such

The Integrated Corridor Management (ICM) Project fundamentally changes how transportation agencies in the US-75 corridor collaborate to move more people and vehicles through the corridor, respond to incidents, and provide better travel information to travelers, who can make better decisions about how and when to travel the corridor. The new practices for transportation operations include:

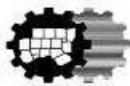
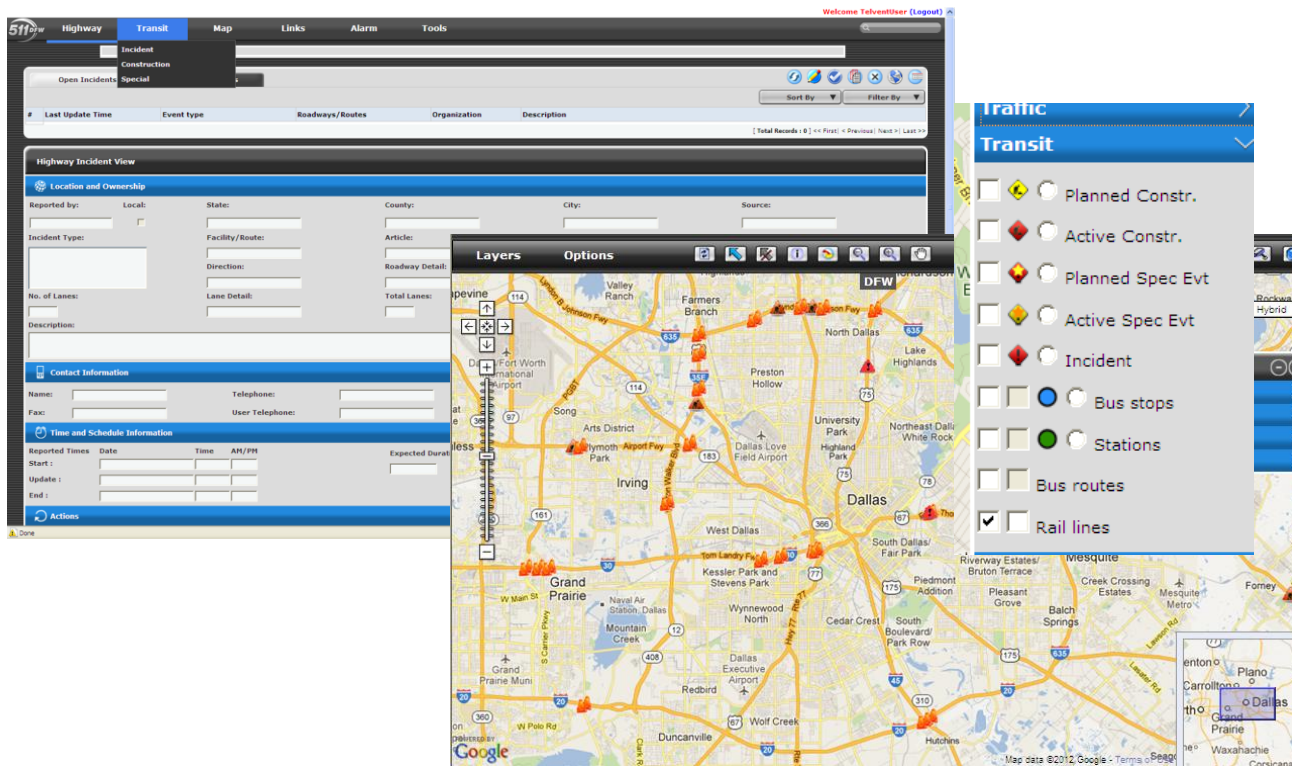


Figure 1. SmartNET Graphical User Interface



Purpose of SmartNET:

- Provide an integrated platform for coordinating responses to incidents, construction, and special events in the corridor
- Provide an information exchange tool based on center-to-center standards, and TMDD
- Provide a data fusion engine for the corridor to feed information to the regional 511DFW systems
- Provide Decision Support System real-time information on incidents, construction, special events, transportation network status, and device status throughout the corridor
- Provide a response plan coordination tool for multiple agencies to coordinate actions in responding to incidents within the corridor

as the location and status of major incidents, resources deployed planned event activities, and construction areas. Implemented over the Internet, SmartNET allows operators to obtain information through a GIS-based map display, and to enter information through easy-to-use, intuitive menus that incorporate drop-down menu based input screens. SmartNET includes a center-to-center messaging system to make information sharing easier with sources such as freeways, signal management systems; probe based tracking systems, computer-aided dispatch systems, and information dissemination systems such as 511 and websites.

The power of SmartNET includes:

1. It helps agencies efficiently plan and use resources efficiently
2. It helps plan and use resources during “normal” times;
3. It shares critical information among responders and decision makers during emergencies;
4. It provides a conduit to the public for traveler information; and
5. It serves as a multi-purpose data warehouse.

FOR MORE INFORMATION

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