

March 3<sup>rd</sup>, 2003

# San Gabriel Valley

## P i l o t P r o j e c t

Information Exchange Network (IEN)  
System Operator Training - Day 1

Final

Prepared by:



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# IEN System Operator's Training

## Part 1

# San Gabriel Valley Pilot Project

*Countywide Information Exchange Network*



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# Training Agenda - Day 1

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- IEN Overview
- ATMS Navigator
  - Base map view
  - Map layers
  - Monitoring TCS data
  - Sending commands to TCS controllers
- MICE
  - Incident and planned event management
  - Scenario plan integration



# Training Agenda - Day 2

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- ATMS Explorer
  - Constructing TCS Diagrams
  - TCS Icons
  - Monitoring TCS devices
  - Sending commands to TCS devices
- Scenario Manager
  - Searching the scenario plan database
  - Using scenario plans
  - Monitoring scenario plans effects



# Training Agenda - Day 3

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- IEN Alarm Viewer
  - TCS and Operator Alarms
  - Alarm Filters
- System Log Viewer
  - Simple and Complex Filters
- Overview of Administrative Applications
  - ATMS Database Administration
  - System Configuration Manager
- Where to find help
- System Operator's Training Wrap-Up



# What is the IEN?

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- The Information Exchange Network, or IEN, is a coordinated multi-jurisdictional arterial traffic signal system being deployed to local agencies within Los Angeles County under the direction of the following agencies:
  - LA County Department of Public Works (LACoDPW)
  - LA County Metro Transit Authority (LACMTA)
- The IEN is comprised of a suite of graphical user interface (GUI) applications, several supporting subsystems, and the LAN/WAN infrastructures over which the various components and locations are connected.



# SGV IEN – Operational Goals

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- SGVPP (San Gabriel Valley Pilot Project)
  - Initial Pilot Project along the I-210 Corridor
  - City of Pasadena Series 2000 TCS
  - Caltrans I-210 Freeway data feed & map display
- Facilitate & improve inter-jurisdictional coordination
  - Provide a seamless view of traffic flow between jurisdictions throughout Los Angeles County
  - Share information & control of the Stakeholders' various traffic control systems (TCS)



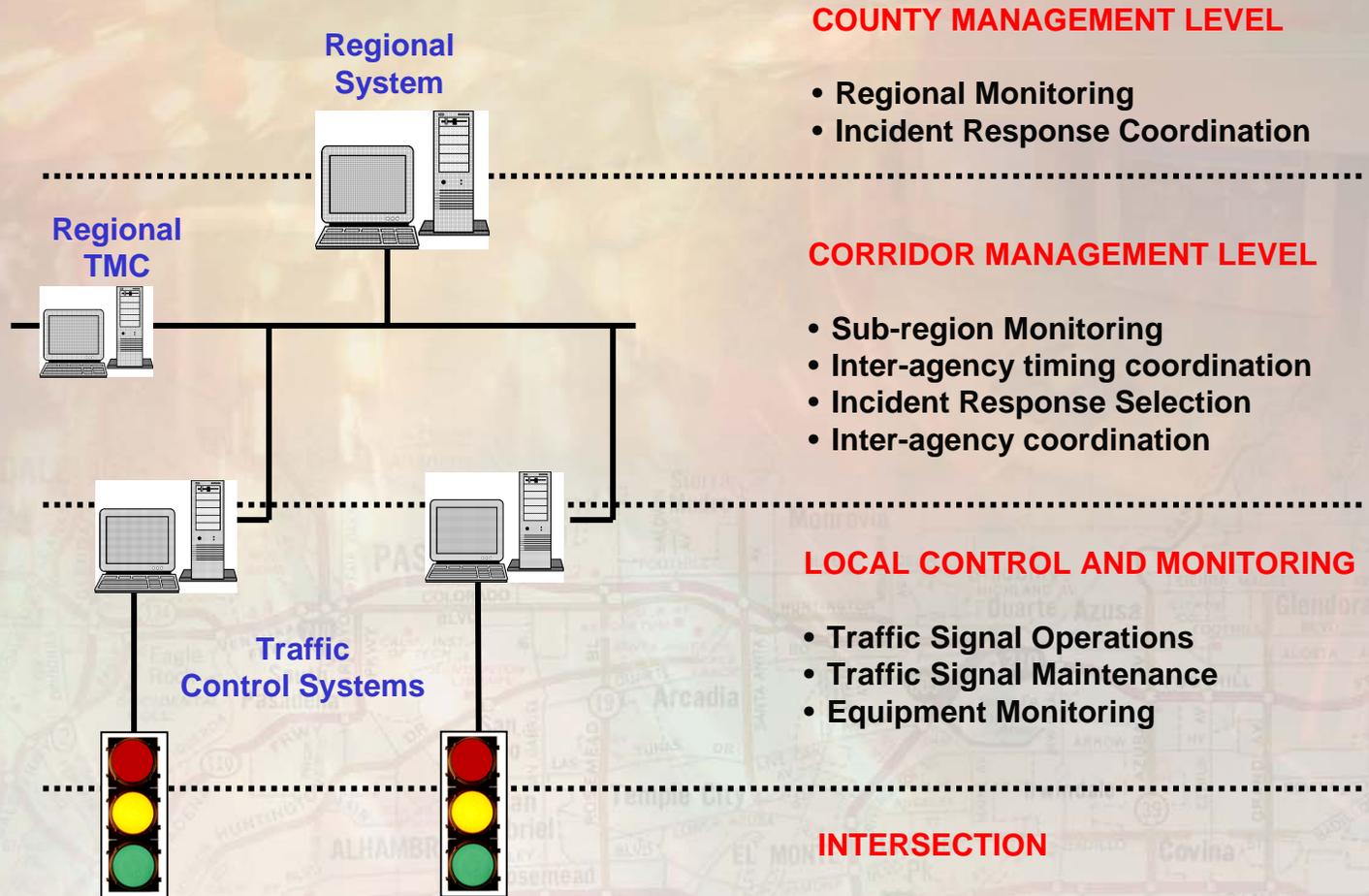
# SGV IEN – Operational Goals (cont.)

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- Monitor & control Stakeholder TCSs
  - View traffic progression on regionally significant arterials
  - Provide real-time TCS data on a second-by-second basis for multiple jurisdictions' TCSs
  - Analyze arterial progression & verify signal timing synchronization
- Improve incident response & management activities
  - Initiate actions during an incident or re-current event
  - Control individual devices or scenario-based activities
- Provide enhanced maintenance capabilities
  - View characteristics & real-time system device operations
  - Diagnose hardware & communications problems



# Countywide IEN Architecture



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# ATMS Navigator

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**A** - Advanced

**T** - Transportation

**M** - Management

**S** - System



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# ATMS Navigator Overview

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- *ATMS Navigator* (a.k.a. ATMS Map) displays a geographically accurate map of the LA County region
- The map has the ability to display icons that indicate the locations and current status of various ATMS equipment and incidents
- Operator Capabilities:
  - Zoom and pan the map to display different areas of the region
  - Activate and deactivate individual icon layers



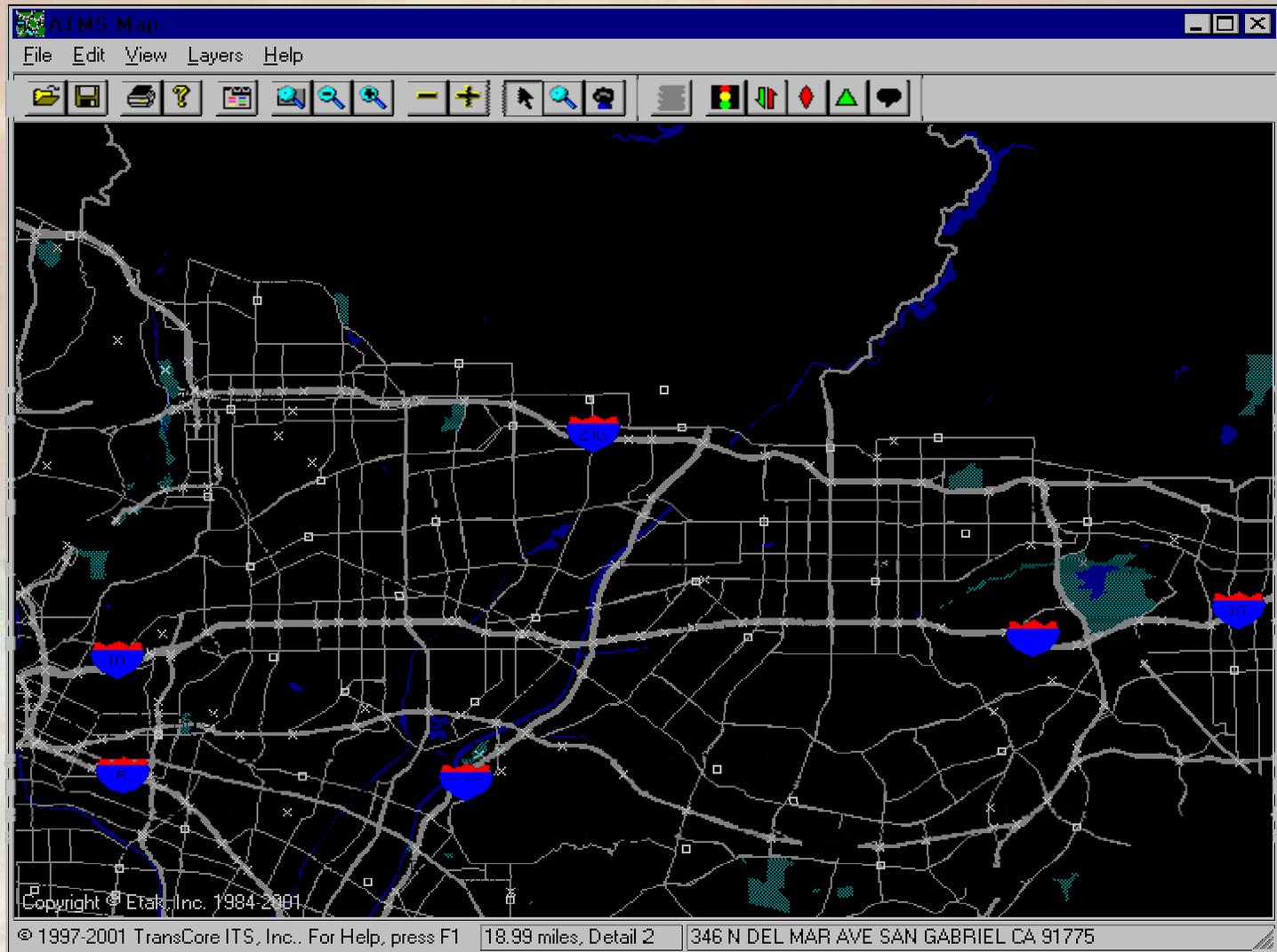
# ATMS Navigator Overview (cont.)

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- Operators are able to interact with icons embedded within the map layers
- Examples
  - Operators are able to change the location of an incident by dragging its icon to a new position
  - Operators can surface the *MICE* application to display details of a particular incident



# ATMS Navigator Application



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# Map Layers

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- The map application consists of the base map background and the following five (5) map layers:
  - Intersection Layer
  - Congestion Link Layer
  - Incident Layer
  - Planned Event Layer
  - Informational Layer



# ATMS Map Intersection Layer

**ATMS Map**

File Edit View Layers Help

Location : ESGV.Pasadena.Pasadena Series 2000 system@int202  
Signal Control Mode : Fixed Time  
Timing Plan Number : 2  
Cycle Length and Offset : 60 / 15  
Comm State: Good  
IEN Intersection Control (Id:287)

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© 1997-2001 TransCore ITS, Inc.. For Help, press F1 0.16 miles, Detail 0 3 S MARENGO AVE PASADENA CA 91101



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# Intersection Layer

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- Contains dynamic intersection icons, which display detailed TCS controller information
- Each intersection icon is associated with a single TCS controller, allowing operators to monitor device status and performance data being collected from a controller
- Intersection icons can be used by authorized operators to change the control mode or timing plan of controllers in the field



# Intersection Layer (cont.)

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- The Intersection Layer has two (2) modes
  - Run Mode: Intersection icons reflect real-time data being collected from their associated TCS controllers
  - Edit Mode: Authorized users can add, configure, and remove intersection icons from the map



# ATMS Map Congestion Link Layer

**ATMS Map**  
File Edit View Layers Help

134 E CORSON ST  
E WALNUT ST  
E UNION ST  
E COLORADO BLVD  
E GREEN ST  
E CORDOVA ST  
E DEL MAR BLVD  
SAN PASQUAL ST  
E CALIFORNIA BLVD

CONGESTION LINK 681 - 681  
Speed Limit: 45  
Comment: No Comments  
Volume: 0 vph  
Speed: 0 mph  
Occupancy: 0 %  
Percent Speed: 0  
Percent V+K0:1  
Sample Time: 07/31/2001 11:34:38  
Last Updated Time: 07/31/2001 11:34:38

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2.31 miles, Detail 0 | 1824 E COLORADO BLVD PASADENA CA 91107



# Congestion Link Layer

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- Congestion link icons display aggregate data collected from groups of system detectors along an arterial segment
- Congestion link indications:
  - Volume
  - Speed
  - Occupancy
  - $V+kO$



# Congestion Link Layer (cont.)

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- The Congestion Link Layer has two (2) modes
  - Run Mode: Congestion link icons reflect real-time data being collected from their associated TCS detectors
  - Edit Mode: Authorized users can add, configure, and remove congestion link icons
- Congestion link objects are configured using the *System Configuration Manager*



# ATMS Map Incident & Planned Event Layers

**ATMS Map**  
File Edit View Layers Help

07/31/2001 11:45 - Oil/Gas/Chemicals  
Severity: 1, Est. Duration: Until Further Notice, NOTE: HazMat.  
LA County: 13 B/D S LAKE AVE (All lanes blocked).  
Lanes: L1,L2,L3,L4,L5,L6,L7,L8,SHLDR,MDN,ACC,RMP,OTH..  
On Site: PD,FD,DOT,MISC.

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TransCore

# Incident/Planned Event Layers

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- The Incident and Planned Event layers contain dynamic icons that display the status and location of traffic events within the IEN
- Each icon is associated with a particular operator generated traffic incident or planned event *MICE* record
- Operators are able to monitor and track the status of events that affect traffic conditions in LA County



# ATMS Map Informational Layer

ATMS Map - Editing Informational Layer

File Edit View Layers Help

Editing Informational Layer

N ORANGE GROVE BLVD  
N LINCOLN AVE  
N RAYMOND AVE  
N MARENGO AVE  
N LOS ROBLES AVE  
N LAKE AVE  
N EL MOLINO AVE  
E ORANGE GROVE BLVD  
E VILLA ST  
E MAPLE ST  
E CORSON ST  
E WALNUT ST  
E UNION ST  
E COLORADO BLVD  
E GREEN ST  
W UNION ST  
W COLORADO BLVD  
N AIR OAKS AVE

Section 362

134

710 710 210

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1.10 miles, Detail 1

638 E COLORADO BLVD PASADENA CA 91101



# Informational Layer

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- Contains static text and polyline icons, which can be used to provide location and boundary notations on the map
- Map roadway information cannot be modified
- Informational icons can be used to add additional information to the map views



# Informational Layer (cont.)

---

- The Informational Layer has two (2) modes:
  - Run Mode: Informational icons are displayed on the map view
  - Edit Mode: Authorized users can add, configure, and remove information icons from the map



# ATMS Navigator Privileges

Privilege	ATMS Supervisors	ATMS Operators	ATMS Editors	ATMS Guests
View Map Layer Icons	X	X	X	X
Add/Modify Map Layer Icons	X		X	
Add/Clear Incidents and Planned Events	X	X		
Acknowledge Incidents and Planned Events	X			



# ATMS Navigator Menus

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- ATMS Navigator provides five (5) pull down menus:
  - File
  - Edit
  - View
  - Layer
  - Help



# ATMS Navigator File Menu Options

Option	Description
Open View	Opens the standard Windows File Open dialog which allows the user to open an existing map view
Save View As	Opens the standard Windows File Save dialog which allows the user to save the current map view to a file
Save View With Layers As	Opens the standard Windows File Save dialog which allows the user to save the current map view along with the enabled layers to a file
Print	Opens the standard Window Print dialog
Print Preview	Opens a print preview window
Print Setup	Opens the standard Window Print setup dialog



# ATMS Navigator File Menu Options (cont.)

Option	Description
Recent File	Lists the most recent views that the user has opened in the map. Operators can open one of the views by clicking on it or typing its number
Exit	Closes the application



# ATMS Navigator Edit Menu Options

Option	Description
Copy Map Image	<p>Allows operators to take a snapshot of the current map view. The snapshot will include any status information, legends, or monitoring windows that are displayed on the map view.</p> <p>Similar to a Windows screen capture, the image is copied to the clipboard as a bitmap. The image can then be pasted into any application that supports bitmap images.</p> <p>This option can be used to capture critical status information at a particular point in time. Captured images can also be used as ATMS Explorer backgrounds.</p>



# ATMS Navigator View Menu Options

Option	Description
Select	Switch to select mode
Zoom	Switch to zoom mode
Drag	Switch to drag mode
Overview	Displays the default map view of the SGV region
Zoom In	Zoom in, decreasing the map scale by one-half
Zoom Out	Zoom out, increasing the map scale by two
More Detail	Increases the level of detail on the background map
Less Detail	Decreases the level of detail on the background map
Message Window	Show the TransCore Message Window component for the application



# ATMS Navigator View Menu Options (cont.)

Option	Description
Toolbar	Shows/Hides the main application toolbar
Layers Toolbar	Shows/Hides the layers toolbar
Status Bar	Shows/Hides the application status bar
Show X-Y in Status Bar	Toggles the display of map coordinates in the status bar
Map Properties	Display the map properties set. The dialog includes both the map's properties as well as any property pages for the individual layers.
Set Background Color	Opens the standard Windows color selection dialog box
Refresh	Forces a redraw of the map and its associated layers



# ATMS Navigator Layers Menu Options

Option	Description
IEN Intersection Layer	Shows/Hides the Intersection Layer
Congestion Link Layer	Shows/Hides the Congestion Link Layer
Incident Layer	Shows/Hides the Incident Layer
Planned Event Layer	Shows/Hides the Planned Event Layer
Informational Layer	Shows/Hides the Informational Layer



# ATMS Navigator Help Menu Options

Option	Description
Help Topics	Opens the ATMS Map online help screens
About ATMS Navigator	Opens the ATMS Navigator version/copyright information dialog



# Map Properties Window

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- The Map Properties window provides map layer filters and icons legends
- Map Property window pages
  - Map Properties
  - IEN Intersection Layer Properties
  - Congestion Links Properties
  - Incidents Properties
  - Planned Event Properties
  - Informational Icons Properties



# Map Properties Page

**Map Properties** [X]

IEN Intersection Layer	Congestion Links	Incidents
Planned Events	Informational Icons	Map

Map File:

Use Double-buffered Display

OK Cancel Apply



# Map Properties

---

- Map File
  - Specifies the path to the roadway database file that provides the detailed street information for the map
  - Parameter should not be changed
- Use Double-buffered Display
  - Turns on and off a special drawing function to prevent the layer objects from flickering on the map
  - When enabled, objects should never flicker, however the application might seem a little slower
  - Option should be enabled



# Intersection Layer Properties

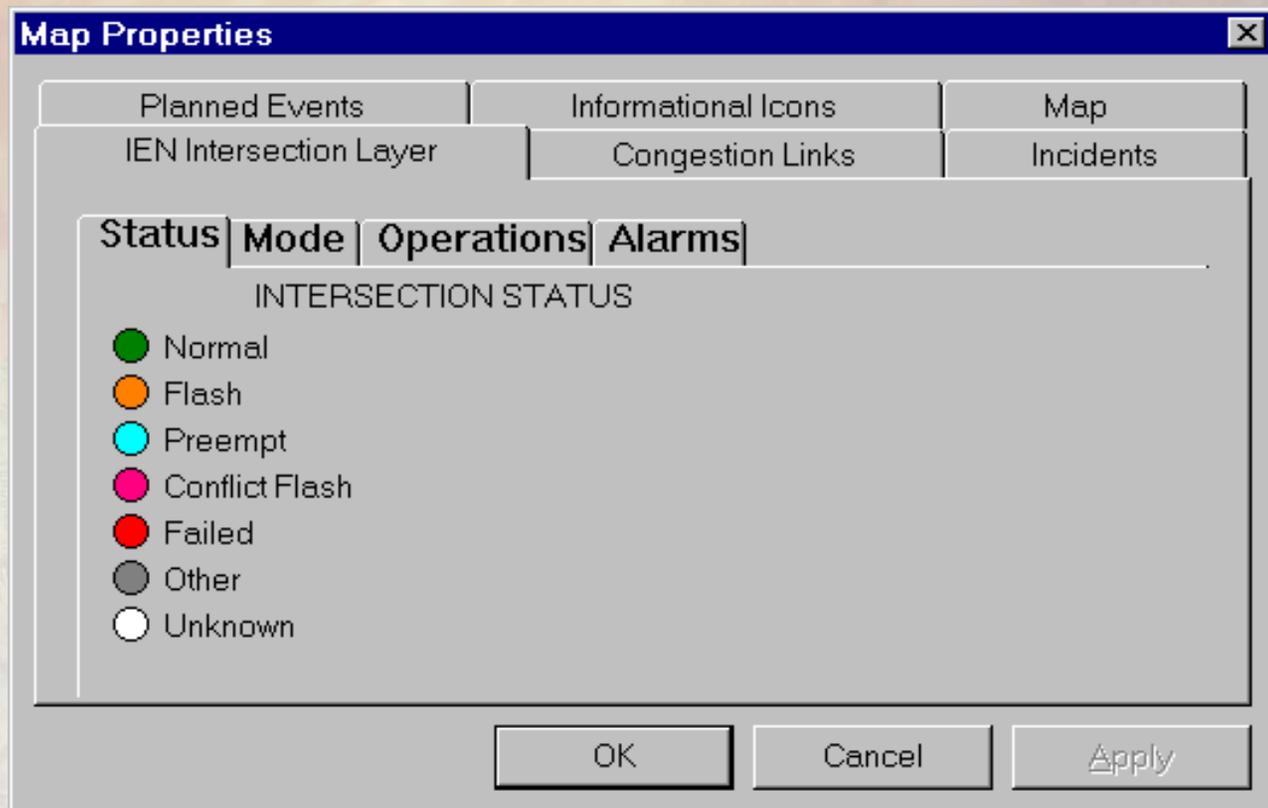
---

- Allows the operator to select a status indication for intersection icons displayed on the map
- Includes four (4) legend pages
  - Status
  - Mode
  - Operations
  - Alarms



# Intersection Status Legend

Indicates the current operational status of TCS intersection controllers.



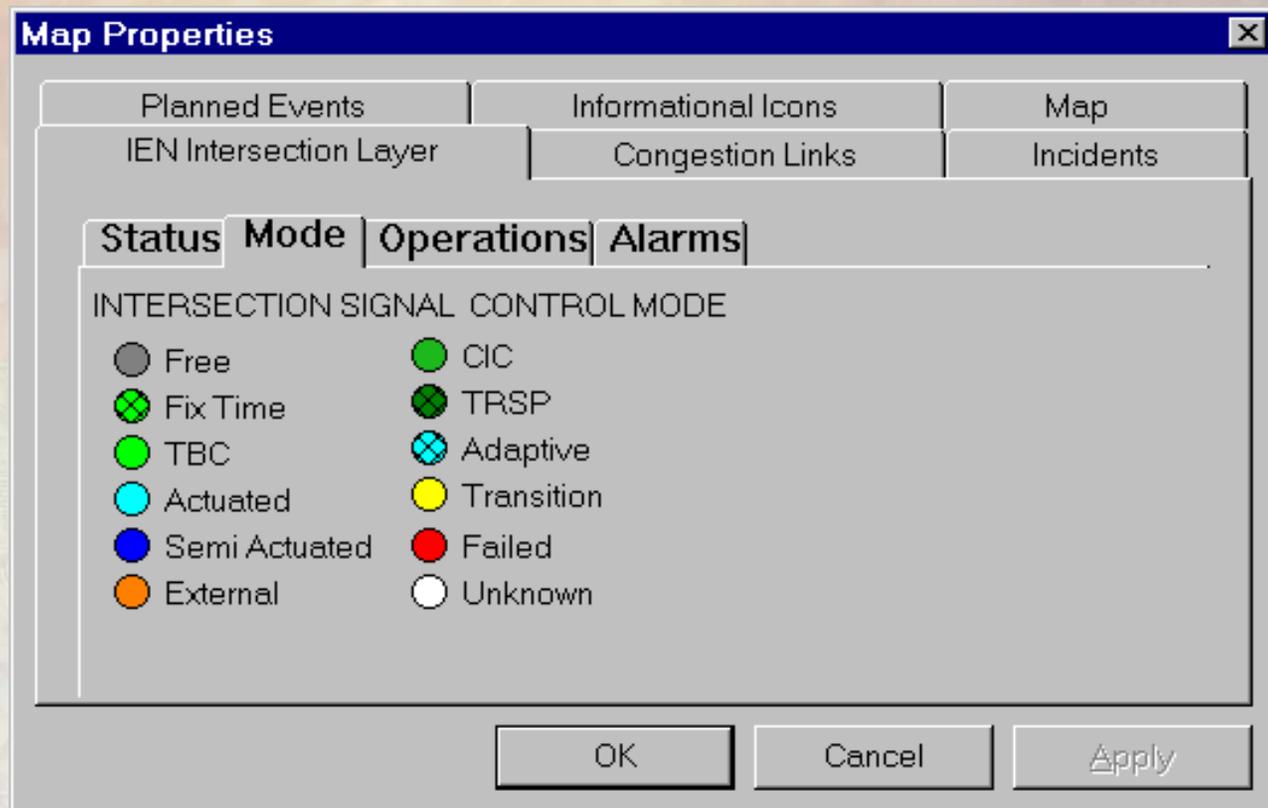
# Intersection Status Legend (cont.)

Status	Description
Normal	The traffic signal is not in an exception state.
Flash	The traffic signal is in a flash state
Preempt	The traffic signal is in a preemption state
Conflict Flash	The traffic signal is in a conflict flash state
Failed	The traffic signal is in a failed state
Other	The traffic signal's state cannot be represented using any other values of this enumeration
Unknown	The traffic signal's state is unknown (or the IEN's data distribution subsystem has been disrupted)



# Intersection Mode Legend

Indicates the current operational mode of TCS intersection controllers



# Intersection Operations Legend

**Map Properties** [X]

Planned Events	Informational Icons	Map
IEN Intersection Layer	Congestion Links	Incidents

**Status** | **Mode** | **Operations** | **Alarms**

<input checked="" type="radio"/> Match	<input checked="" type="radio"/> Main Street Green
<input type="radio"/> Not Match	
<input type="radio"/> Unknown	

<input type="radio"/> Match	<input type="radio"/> Comm Errors
<input type="radio"/> Not Match	<input type="radio"/> Not Responding
<input type="radio"/> Unknown	

OK Cancel Apply



# Intersection Operations Legend (cont.)

---

- Provides three (3) indications:
  - **Main Street Green** indicates which controllers are in a Main Street Green phase
  - **Comm Errors** indicates which controllers have communication errors
  - **Not Responding** indicates which controllers are not responding
- Only one indication can be displayed at a time.
- Select the active indication by clicking the option button next to the desired indication.



# Intersection Alarms Legend

**Map Properties** [X]

Planned Events | Informational Icons | Map

IEN Intersection Layer | Congestion Links | Incidents

Status | Mode | Operations | **Alarms**

ALARM STATUS

Legend	Display
<input checked="" type="radio"/> Match	<input type="radio"/> Conflict Flash
<input type="radio"/> Not Match	<input type="radio"/> Transition
<input type="radio"/> Unknown	<input type="radio"/> Door Open
	<input checked="" type="radio"/> Internal Error
	<input type="radio"/> Flash

OK Cancel Apply



# Intersection Alarms Legend (cont.)

---

- Provides five (5) controller alarm indications:
  - Conflict Flash
  - Transition
  - Door Open
  - Internal Error
  - Flash
- Use the radio button to select the active indication
- “Internal Error” alarms are specific to the controller hardware/firmware.



# Congestion Link Layer Properties

**Map Properties**

Planned Events | Informational Icons | Map

IEN Intersection Layer | **Congestion Links** | Incidents

Legend

**Vol** | Spd | Occ | ◀ ▶

LINK VOLUME (veh/hr)

	>=	1000
	>=	600
	>=	250
	>=	100
	<	100

Display

Arrowheads Save To DB

Severe Congestion

Heavy Congestion

Moderate Congestion

Light Congestion

No Congestion

Unknown Congestion

OK Cancel Apply



# Congestion Link Layer Properties (cont.)

---

- Allows the operator to select the indication for congestion link icons displayed on the map
- Includes four (4) legend pages
  - Volume
  - Speed
  - Occupancy
  - $V+kO$
- The IEN does not use the % (Percent) Speed indication.



# Congestion Link Layer Properties (cont.)

---

- Operators are able to modify link threshold values except for the “best conditions” field (Dark Green)
- Congestion link filter checkboxes are used to specify which link thresholds are displayed on the map
- The Arrowheads filter determines whether link icons are drawn with direction indication “arrowheads”



# Congestion Link Layer Properties (cont.)

---

- The Save to DB (database) button saves the current threshold and filter values as the default settings for the legend
- Default settings are used when the legend is first opened



# Incident Layer Properties

**Map Properties** [X]

Planned Events      Informational Icons      Map  
IEN Intersection Layer      Congestion Links      Incidents

**Legend**

-  - Active
-  - Active (controlled externally)
-  - Cleared
-  - Cleared (created externally)

**Display**

- Active Incidents
- Non-Broadcast Incidents
- Cleared Incidents
- Annotations
- Ack Pencil & Severity
- Externally Controlled

OK      Cancel      Apply



# Incident Layer Properties (cont.)

---

- Provides the incident icon legend and a series of display filters
- Operators are able to specify which incident types and notations will be displayed on the map
- Items with selected check boxes are displayed on the map



# Planned Event Layer Properties

**Map Properties** [X]

IEN Intersection Layer	Congestion Links	Incidents
Planned Events	Informational Icons	Map

Filters

Filter by Date:

From 1 /25/01 [▲▼] [▼▲] To 1 /25/01 [▲▼] [▼▲] Today

Filter by Type: AWARD ▼

Show Annotations

OK Cancel Apply



# Planned Event Layer Properties (cont.)

---

- Provides planned event layer filters
- Operators can filter by date, planned event type, or both by checking the boxes next to the filter criteria
- If neither filter checkboxes are selected, all active planned events are displayed on the map



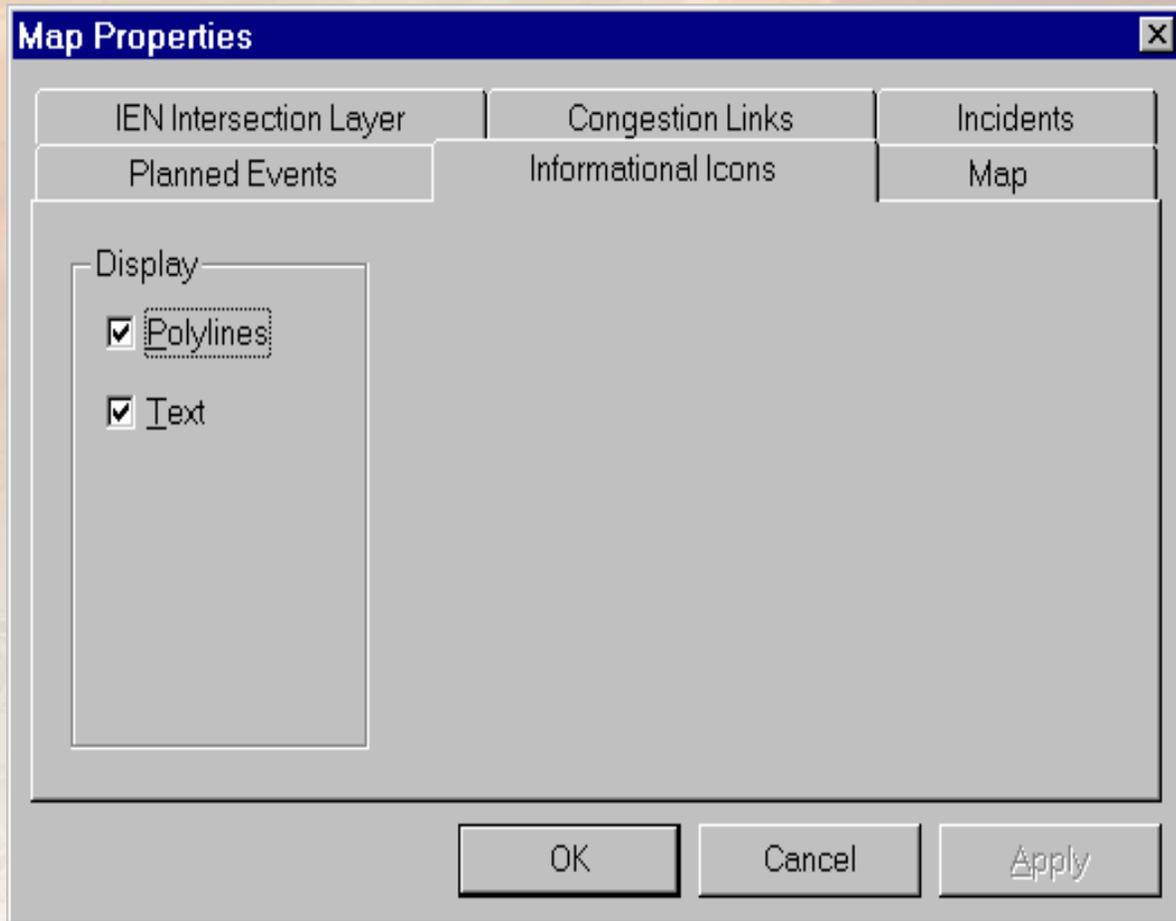
# Planned Event Layer Properties (cont.)

---

- When filtering by date, Operators will need to define a date range in the “From” and “To” fields or click **Today** to filter for only today’s events
- When filtering by type, Operators will need to select a type from the dropdown list
- Using the **Show Annotations** option, Operators are able to show or hide planned event textual and polyline annotations on the map



# Informational Layer Properties



# Informational Layer Properties (cont.)

---

- Provides informational layer filters
- Operators are able to show or hide informational polylines and/or text icons on the map view
- Items with selected check boxes are displayed on the map



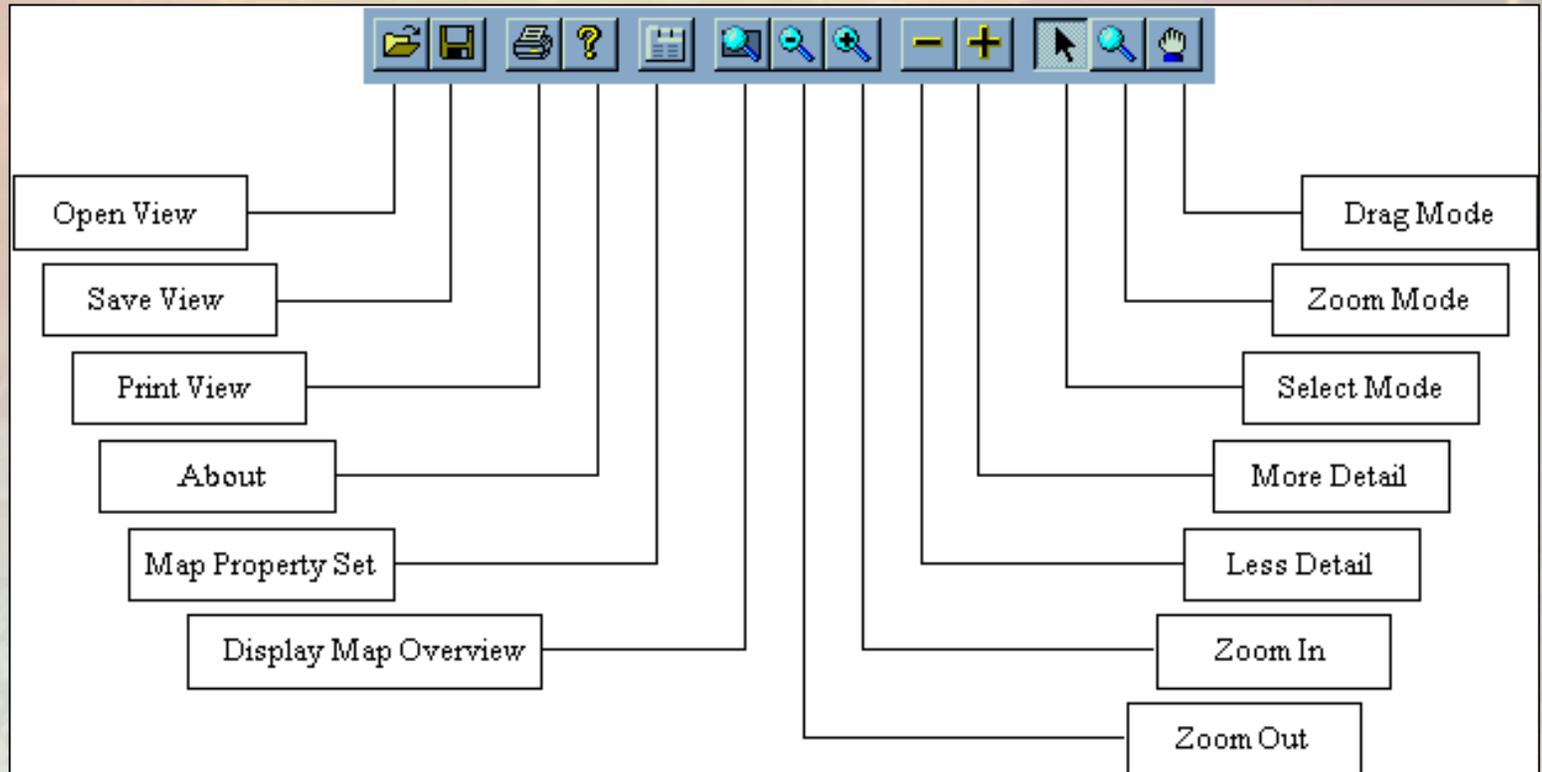
# ATMS Map Toolbars

---

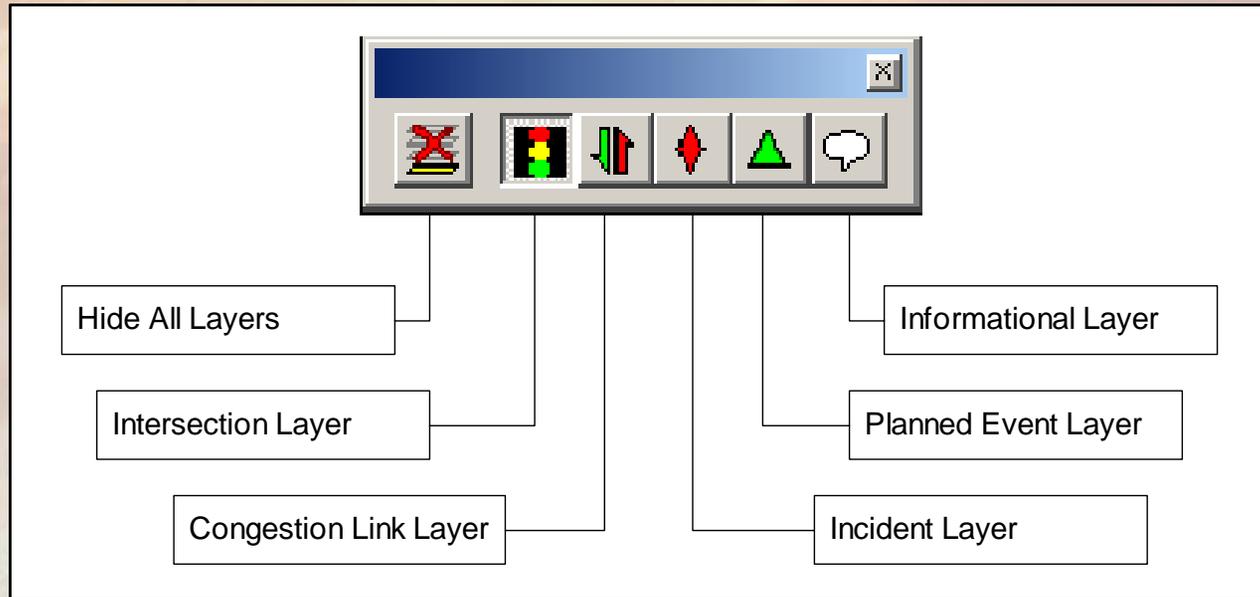
- ATMS Map provides two (2) toolbars:
  - Main toolbar
  - Layers toolbar
- Both toolbars are always displayed unless explicitly hidden by the operator (See the View Menu options)
- By moving the cursor over a toolbar icon, Operators are able to surface a one-word description of the icon function
- More descriptive tool help appears on the status bar



# ATMS Map Main Toolbar



# ATMS Map Layer Toolbar



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# ATMS Map Pop-Up Menus

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- Context sensitive pop-up menus are accessible from the main window of the user interface
- A single right-click on the map or any of the layer icons will open one of the pop-up menus described on the next slides



# Map Pop-Up Menu

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- The map pop-up menu appears when the operator right clicks anywhere in the main window that is not over a layer icon or annotation
- The map pop-up contains many of the same options found on the View menu and the main toolbar



# Map Pop-Up Menu Options

Option	Description
Zoom	Switch to zoom mode
Drag	Switch to drag mode
More Detail	Increases the level of detail on the background map
Less Detail	Decreases the level of detail on the background map
Find Address	Opens the Locate Address dialog used to quickly find a particular address or set of addresses on the map
Layer Submenus	Contains layer-specific options
Map Properties	Display the map properties set, including both the map's properties as well as property pages for the layers



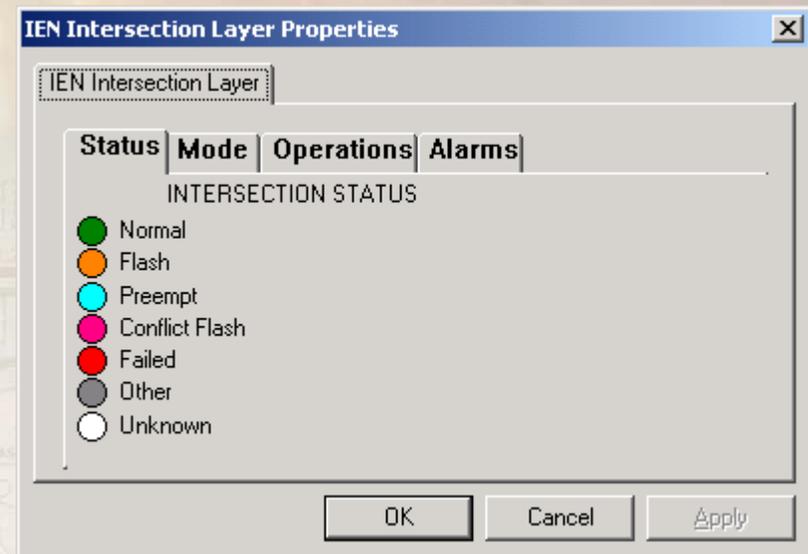
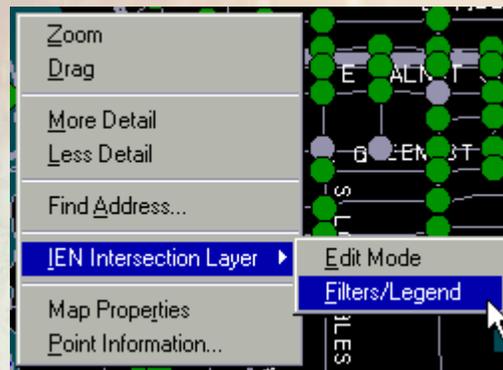
# Map Pop-Up Menu Options (cont.)

Option	Description
Set Background Color	Invokes the standard Windows color selection dialog box
Refresh	Forces a redraw of the map and its associated layers



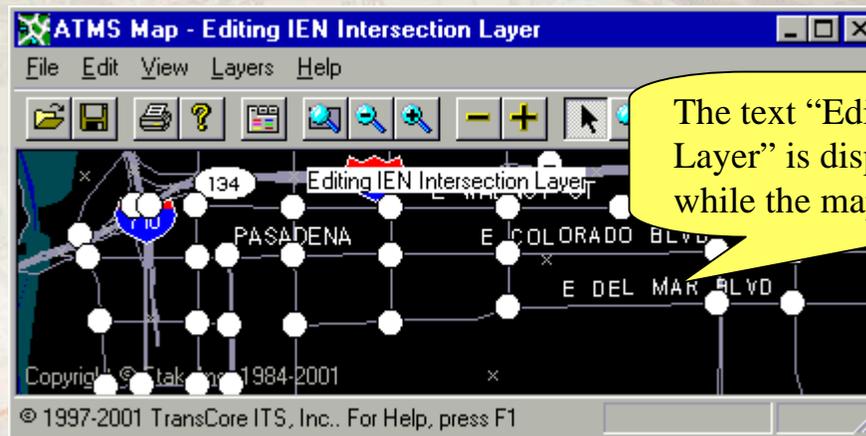
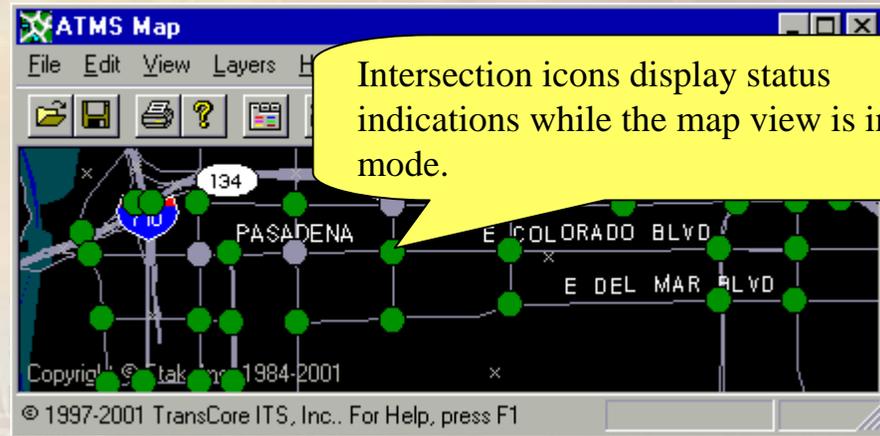
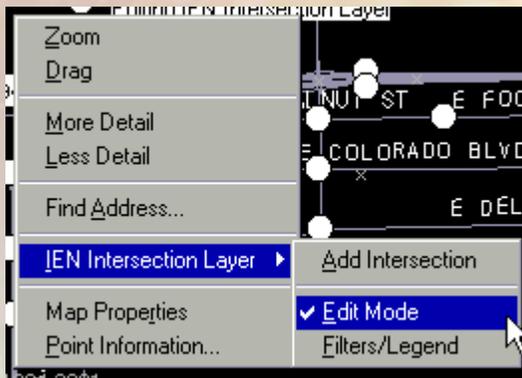
# Intersection Layer Submenu

Option	Description
Legend	Opens an Intersection Legend with the same indications found in the Intersection Layer Properties window.



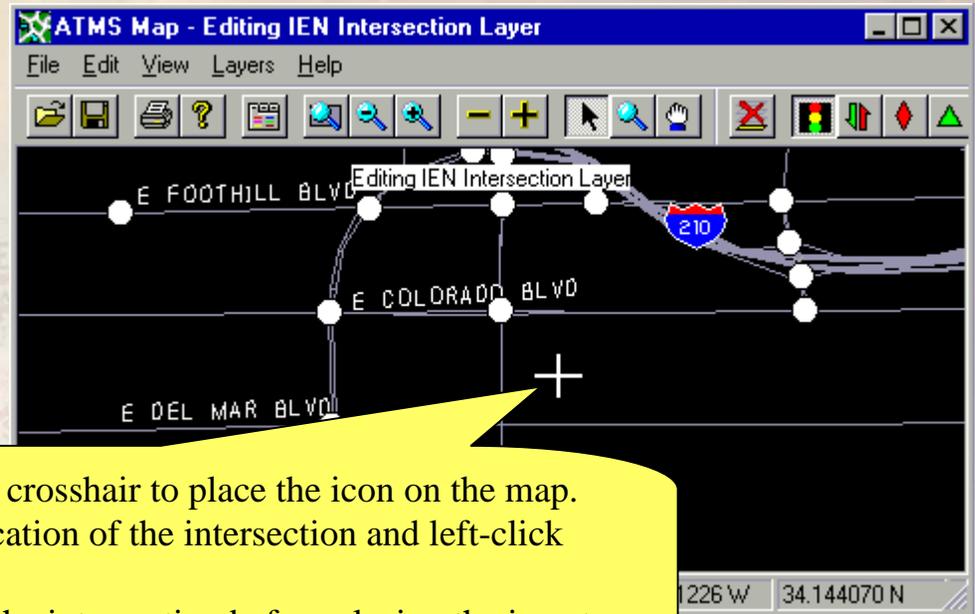
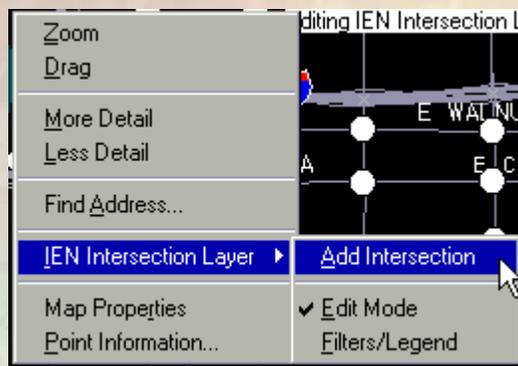
# Intersection Layer Submenu (cont.)

Option	Description
Edit Mode	Enables/Disables the Intersection Layer edit mode



# Intersection Layer Submenu (cont.)

Option	Description
Add Intersection	Allows authorized operators to add intersection icons to the map layer. This option is available only while the layer is in edit mode.



The mouse pointer will become a crosshair to place the icon on the map. Position the crosshair over the location of the intersection and left-click the mouse.

Hint: Zoom in on the location of the intersection before placing the icon to make sure that the icon lines up correctly with the appropriate roads.



# Intersection Layer Submenu (cont.)



To cancel the placement of the new icon, right-click the mouse and select **Cancel New**.

IEN Intersection Control Properties

Entity Icon

Corridor: SGV

Site: Pasadena

System: Pasadena Series 2000 system

Entity: int294

Name: int294

Description: SAN GABRIEL BL. @ DEL MAR BL.

OK Cancel Apply

A properties dialog will open once the icon is placed on the map. Select Corridor, Site, System, and Entity values to associate the icon with an intersection connected to the IEN. Intersections must be pre-defined in the central database using the IEN System Configuration Manager application.

An Intersection icon can be drawn as a circle (default) or rectangle. The rotation angle is used to orient a rectangular icon. The detail level specifies the minimum detail level at which the icon is visible in the map displays.

Hint: Set smaller intersections at higher detail levels to prevent them from cluttering large map views.

Entity Icon

Shape: Circle

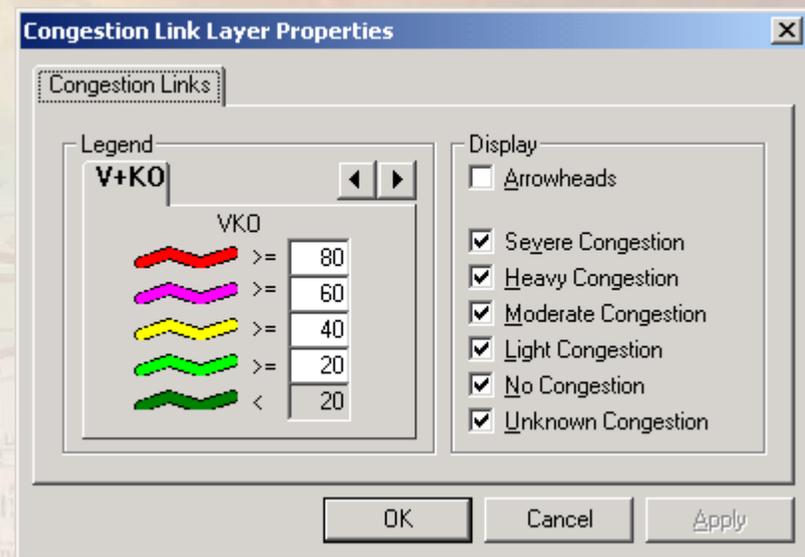
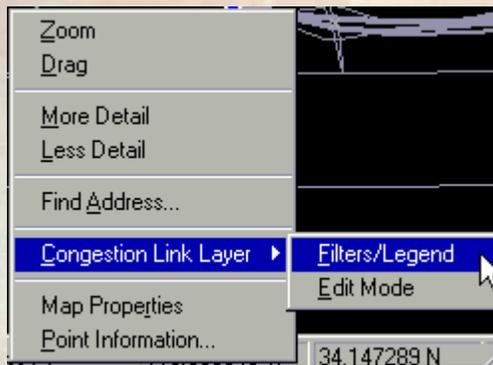
Rotation Angle: 0

Detail Level: 5



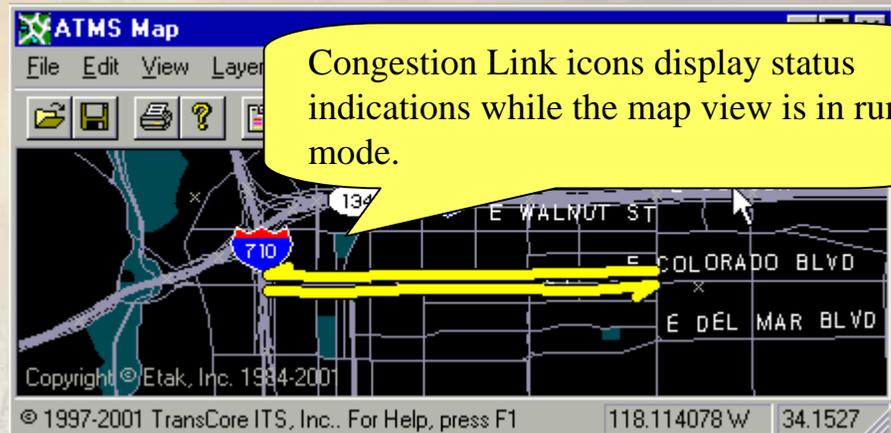
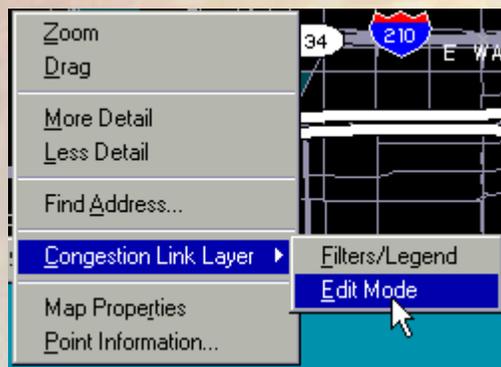
# Congestion Link Layer Submenu

Option	Description
Filters/Legend	Opens the Congestion Link Legend with the same indications found in the Congestion Link Layer Properties Window



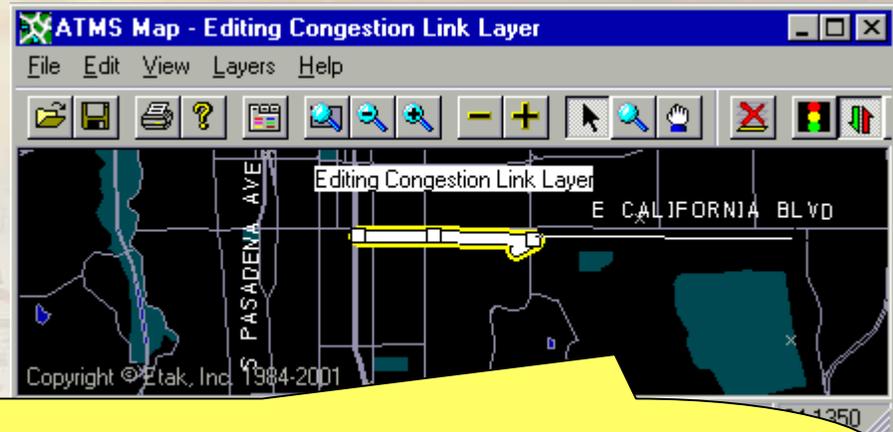
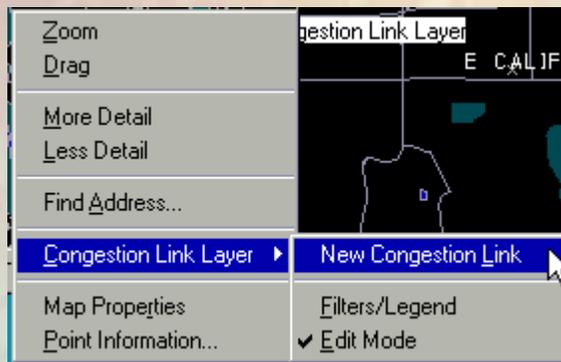
# Congestion Link Layer Submenu (cont.)

Option	Description
Edit Mode	Enables/Disables the Congestion Link Layer edit mode



# Congestion Link Layer Submenu (cont.)

Option	Description
New Congestion Link	Allows authorized operators to add a new congestion link icon to the map layer. This option is available only while the layer is in edit mode.



Congestion link icons are placed on the map as series of vertices. The mouse pointer will become a crosshair.

- Position the crosshair over the starting location for the link and left-click the mouse.
- Place additional vertices in a similar manner.
- Double-click the mouse to indicate the terminating vertex of the icon.

Hint: Be sure to draw the icon in the direction of traffic flow so that the link arrow is correctly oriented.



# Congestion Link Layer Submenu (cont.)

ATMS Congestion Link Control Properties

Entity Icon

Corridor: SGV

Site: Pasadena

System: Pasadena Series 2000 syste

Entity: Link001

Name: Link001

Description: WB CaliforniaBlvd (PasadenaAve-Rosemead)

OK Cancel Apply

A properties dialog will open once the terminating point is placed on the map. Select Corridor, Site, System, and Entity values to associate the icon with one of the pre-defined congestion link objects. Congestion link objects are defined through the IEN System Configuration Manager.

The detail level specifies the minimum detail level at which the icon is visible in the map displays. The speed limit and comment fields appear in the icon's mouse over tool tip.

Entity Icon

Detail Level: 3

Speed Limit (mph): 55

Comment: Colorado EB (Fair Oaks & Los)



# Incident Layer Submenu

Option	Description
New Incidents	Allows authorized operators to declare a new incident from the map



The mouse pointer becomes a red diamond.

- Position the diamond over the location of the incident and left-click the mouse to place the icon on the map
- The MICE Add Incident screen will open to record the details of the incident.

Hint: The address over which the diamond is currently located is displayed on the status bar.

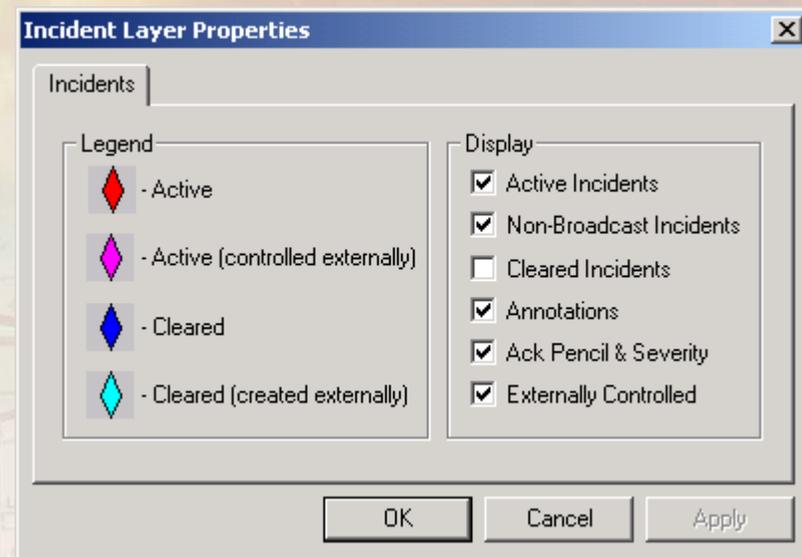
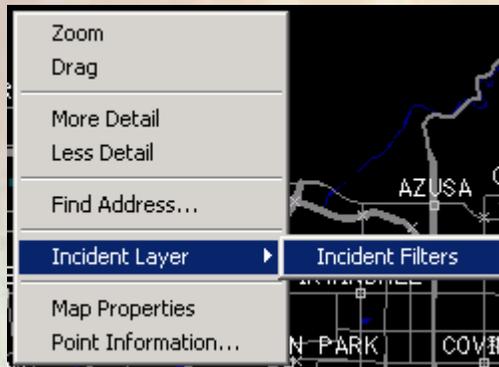


To cancel the placement of a new incident, right-click the mouse and select **Cancel New Incident**.



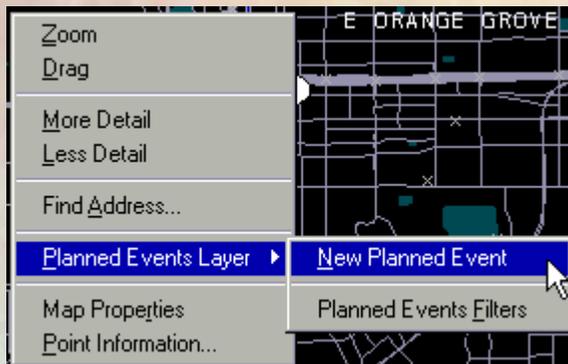
# Incident Layer Submenu (cont.)

Option	Description
Incident Filters	Opens the Incident Filter window with the same indications found in the Incident Layer Properties Window



# Planned Event Layer Submenu

Option	Description
New Planned Event	Allows authorized operators to declare a planned event from the map



The mouse pointer becomes a green triangle.

- Position the triangle over the location of the planned event and left-click the mouse to place the icon on the map
- The MICE Add Planned Event screen will open to record the details of the event.

Hint: The address over which the triangle is currently located is displayed on the status bar.

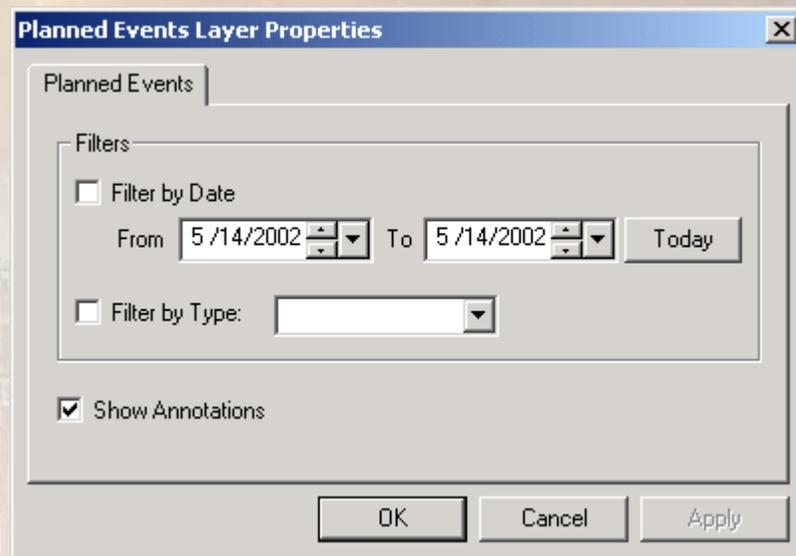
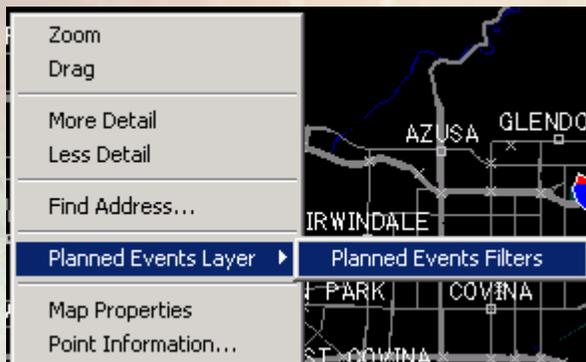


To cancel the placement of a new planned event, right-click the mouse and select **Cancel New Planned Event**.



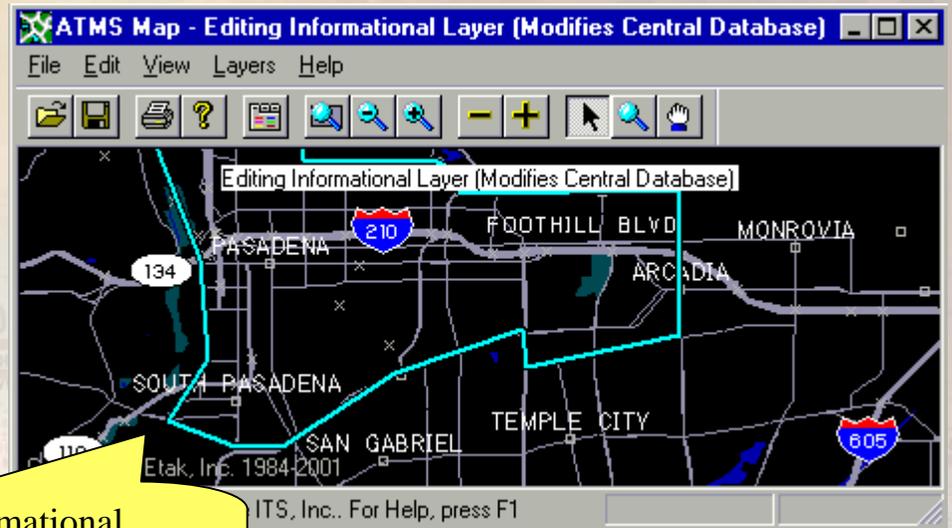
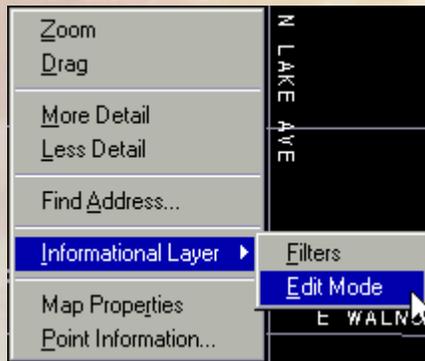
# Planned Event Layer Submenu (cont.)

Option	Description
Planned Event Filters	Opens the Planned Event Filter window with same indications found in the Planned Event Layer Properties Window



# Informational Layer Submenu

Option	Description
Edit Mode	Enables/Disables the Informational Layer edit mode

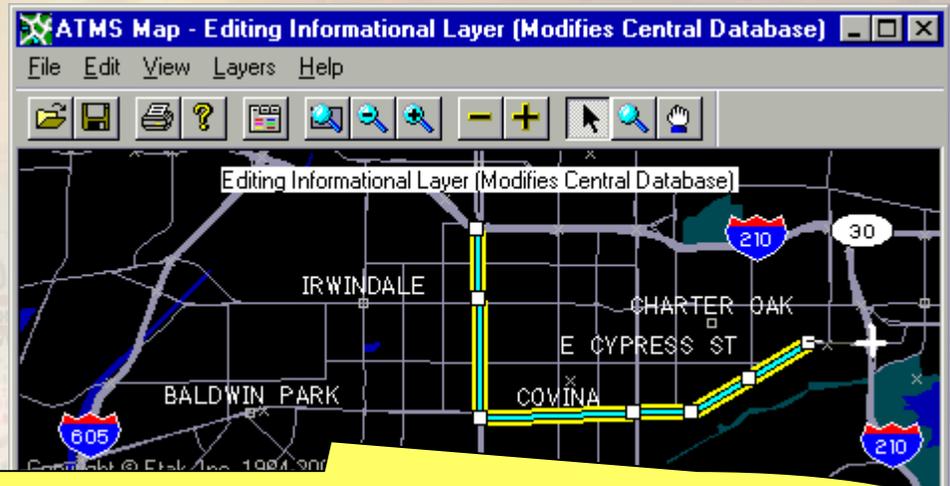
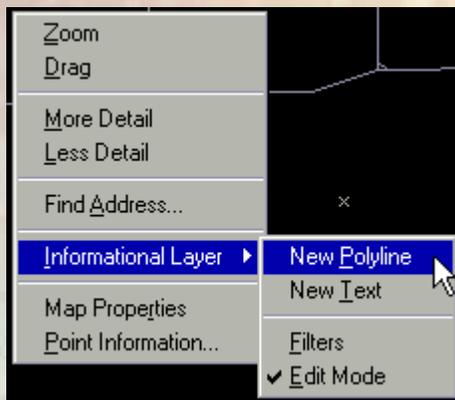


The text "Editing Informational Layer" is displayed while the map view is in edit mode.



# Informational Layer Submenu (cont.)

Option	Description
New Polyline	Allows authorized operators to add a new informational polyline icon to the map layer. This option is available only while the layer is in edit mode.

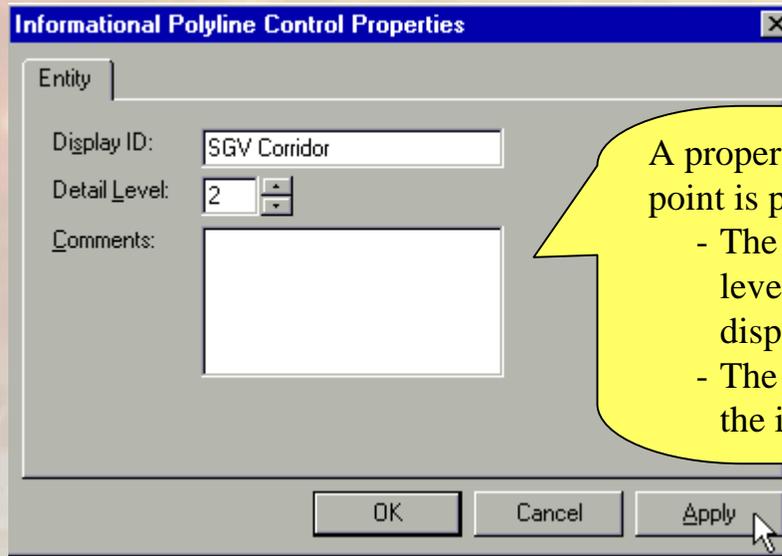


Informational polyline icons are placed on the map as series of vertices.

- The mouse pointer will become a crosshair. Position the crosshair over the starting location for the polyline and left-click the mouse.
- Place additional vertices in a similar manner.
- Double-click the mouse to indicate the terminating vertex of the icon.



# Informational Layer Submenu (cont.)



Informational Polyline Control Properties

Entity

Display ID:

Detail Level:

Comments:

OK Cancel Apply

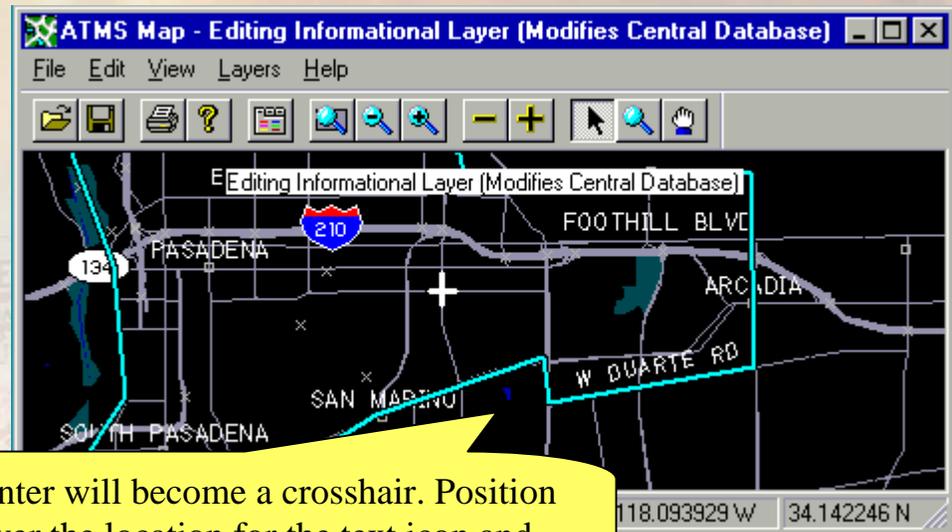
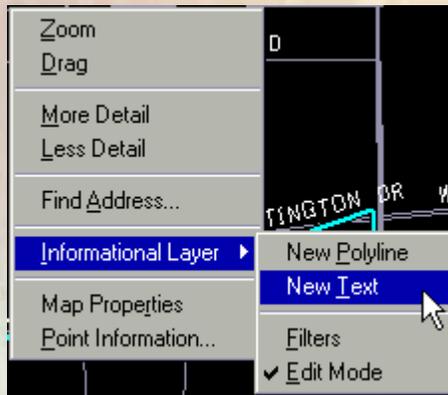
A properties dialog will open once the terminating point is placed on the map.

- The detail level specifies the minimum detail level at which the icon is visible in the map displays.
- The display ID and comments fields appear in the icon's mouse over tool tip.



# Informational Layer Submenu (cont.)

Option	Description
New Text	Allows authorized operators to add a new informational text icon to the map layer. This option is available only while the layer is in edit mode.



The mouse pointer will become a crosshair. Position the crosshair over the location for the text icon and left-click the mouse.



# Informational Layer Submenu (cont.)

**ATMS Map Text Control Properties**

General | Fonts | Colors

Display Text: PasadenaTMC

Tooltip Text: SGV.Pasadena.PasadenaSeries2000

Detail Level: 2

Rotation Angle: 0

Note: You must select a TrueType font on the next tab for rotation to work.

OK Cancel Apply

A properties dialog will open once the text icon is placed on the map.

- The icon shows the value entered in the display text field.
- The tooltip text field is displayed in the icon's mouse over tooltip.
- The detail level specifies the minimum detail level at which the icon is visible in the map displays.
- The rotation angle can be used to reorient the icon.

General | Fonts | Colors

Property Name: Font

Font: MS Sans Serif

Font Style: Regular

Size: 8.25

Effects:  Strikethrough  Underline

Sample: AaBbYyZz

General | Fonts | Colors

Property Name: ForeColor

System Color:

Color selection grid:

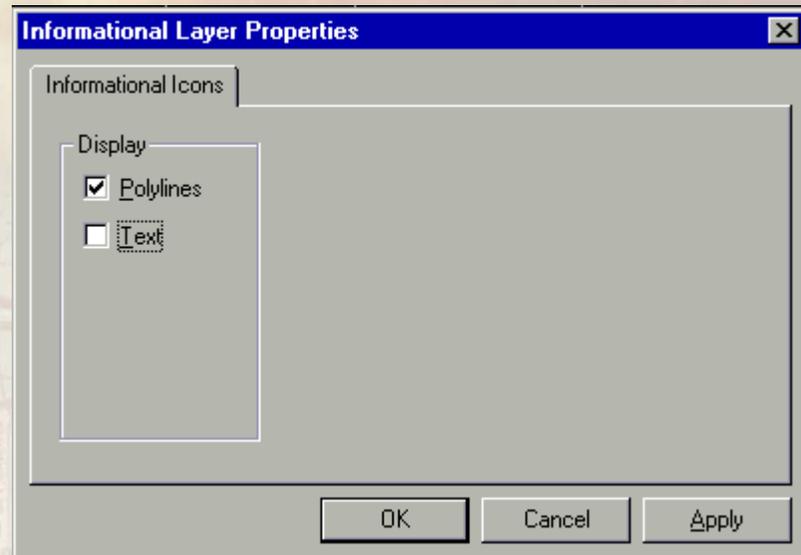
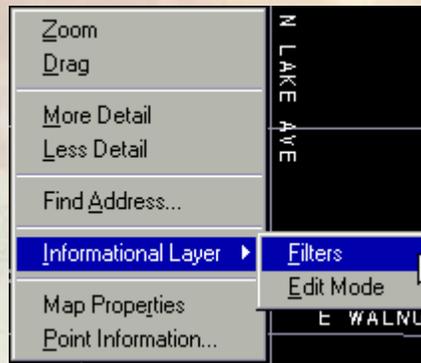
Black	Blue	Cyan	Dark Blue
Light Blue	Green	Purple	Grey
Red	Light Green	Olive	White
Magenta	Red	White	Yellow

The options on the fonts and colors pages can be used to customize the appearance of the icon.



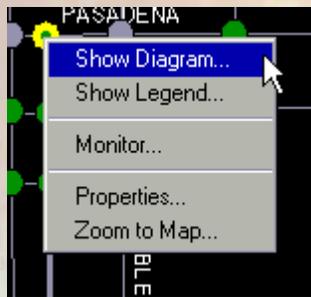
# Informational Layer Submenu (cont.)

Option	Description
Filters	Opens the Informational Filters window with the same filters found in the Informational Layer Properties Window

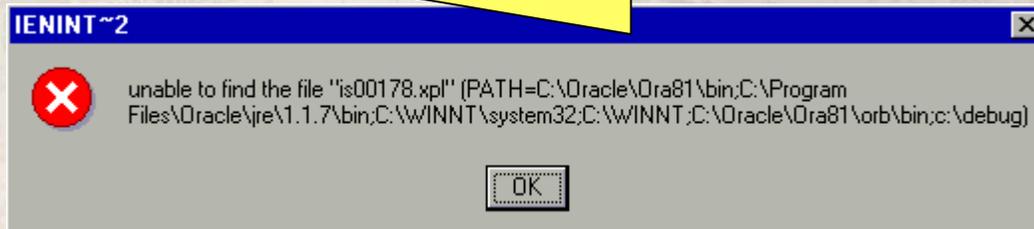


# Intersection Icon Pop-Up Menu

Option	Description
Show Diagram	Opens the selected intersection's default ATMS Explorer diagram

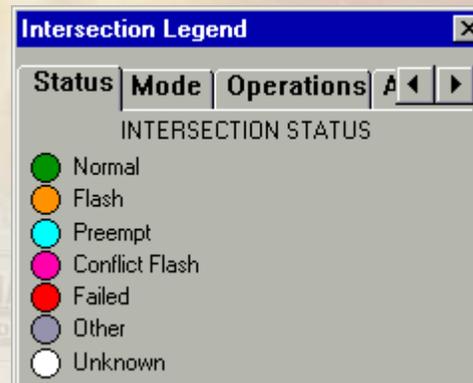
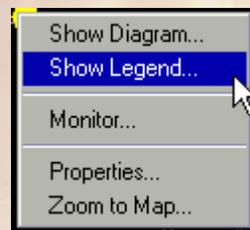


Default intersection diagrams must use the “is<int#>.xpl” naming convention, where the int# value is a 5 digit identifier for the intersection. The int# must be left padded with “0” characters as needed. An error message is displayed if the system cannot find a matching diagram.



# Intersection Icon Pop-Up Menu (cont.)

Option	Description
Show Legend	Opens the Intersection Legend with the same indications found in the Intersection Layer Properties Window



# Intersection Icon Pop-Up Menu (cont.)

Option	Description
Monitor	Opens an IEN Intersection Detail Window for the selected intersection



**COLORADO BL. @ LOS ROBLES AV.**

File Edit Command Show

Entity	Corridor ID: SGV	Summary	Signal Status: Other
	Site ID: Pasadena		Comm Rsp: Responding
	System ID: Pasadena Series 2000 system		Mode: TIMEBASE
	Entity Name: int220		Alarms: None
	Section Number: 3		Preempt: None
			Main St. Green: Inactive

Phase State	Timing Plan: 3	Status	Comm State: Good
	Cycle Counter: 60		Comm Attempts: 50
	Master Cycle Counter: 65		Good Responses: 50
	Planned Cycle Length/Offset: 120/15		Bad Responses: 45
	Last Cycle Length/Offset: 60/10		No Responses: 5

Phases	Phase:	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	Last Cycle:	-	31	-	21	-	32	-	22	-	-	-	-	-	-	-	-
	Programmed:	-	30	-	22	-	30	-	22	-	-	-	-	-	-	-	-

Active Phases: (not available)

Vehicle Call State: 2, 4, 6, 8

Ped. Phase State: -

Intervals: (not available)

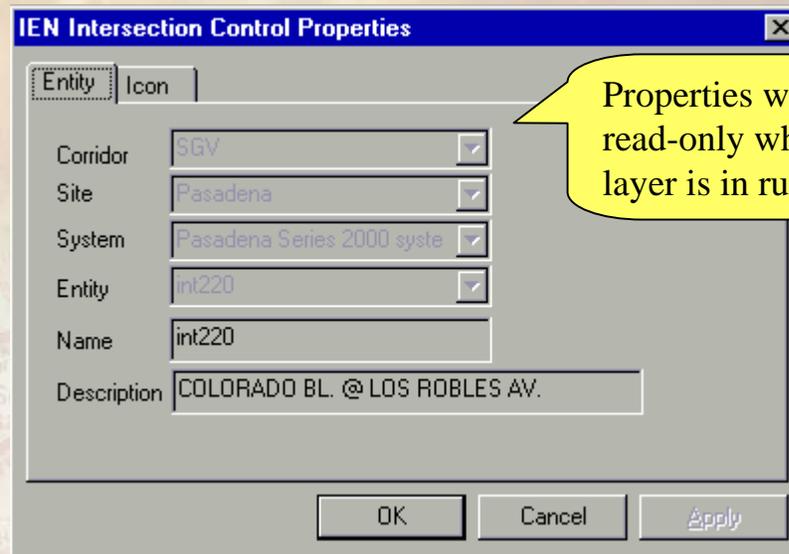
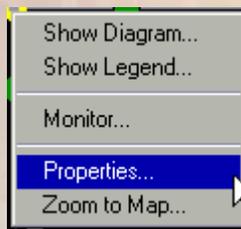
Detach Quit

(c) Copyright 2001 TransCore ITS, Inc. 2/28/03 13:42:14



# Intersection Icon Pop-Up Menu (cont.)

Option	Description
Properties	Opens the Intersection Control Properties Window for the selected intersection icon.

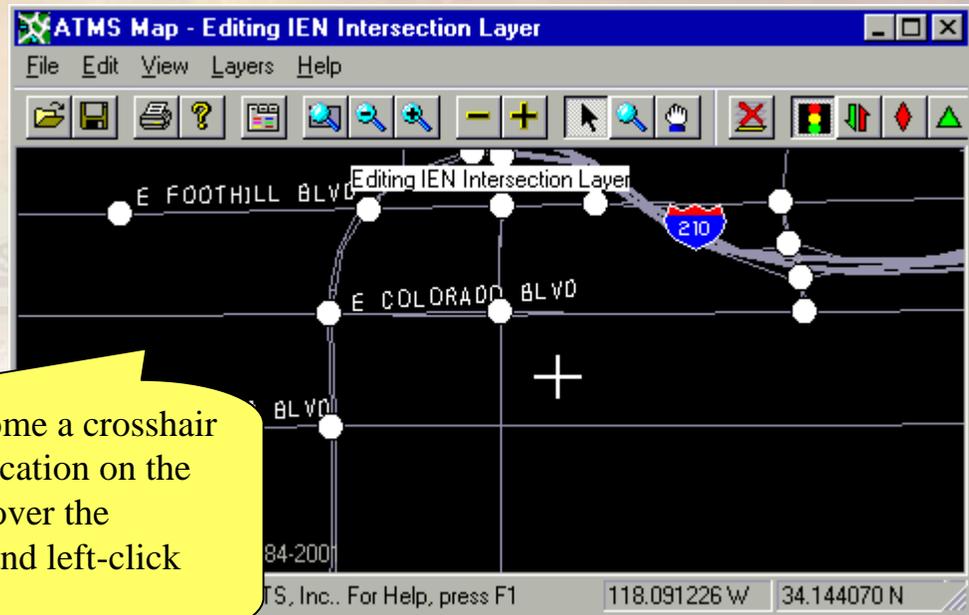


Properties windows are read-only when the map layer is in run mode.



# Intersection Icon Pop-Up Menu (cont.)

Option	Description
Move	Allows an authorized operator to change the location of the selected intersection icon on the map. This option is available only in edit mode.



The mouse pointer will become a crosshair to move the icon to a new location on the map. Position the crosshair over the location of the intersection and left-click the mouse.



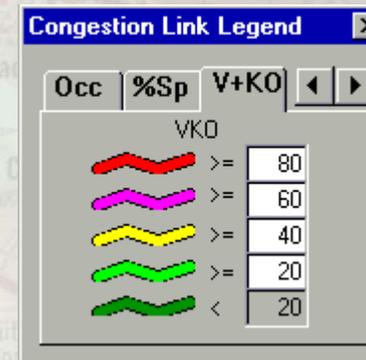
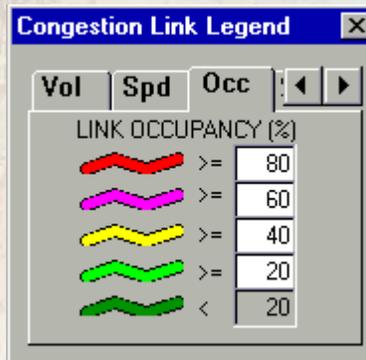
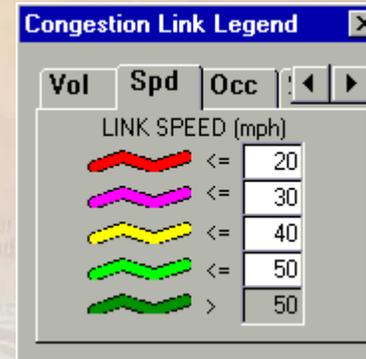
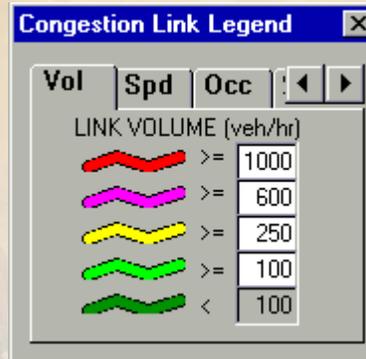
# Intersection Icon Pop-Up Menu (cont.)

Option	Description
Delete	Removes the selected intersection icon. This option is available only in edit mode.
Zoom to Map	Centers the map view on the selected intersection icon



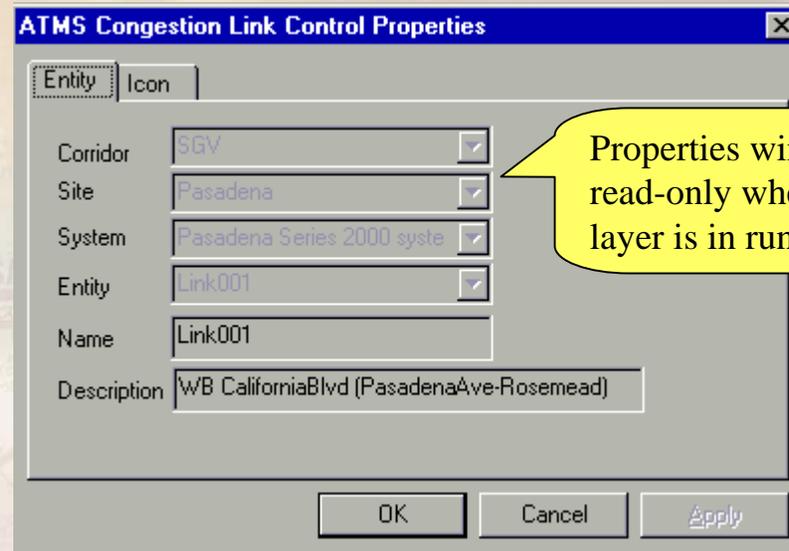
# Congestion Link Icon Pop-Up Menu

Option	Description
Show Legend	Opens the Congestion Link Legend



# Congestion Link Icon Pop-Up Menu (cont.)

Option	Description
Properties	Opens the Congestion Link Control Properties Window.



ATMS Congestion Link Control Properties

Entity Icon

Corridor SGV

Site Pasadena

System Pasadena Series 2000 syste

Entity Link001

Name Link001

Description WB CaliforniaBlvd (PasadenaAve-Rosemead)

OK Cancel Apply

Properties windows are read-only when the map layer is in run mode.





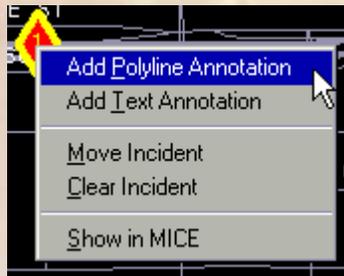
# Congestion Link Icon Pop-Up Menu (cont.)

Option	Description
Add Vertices	Allows operators to add vertices to the end of the selected link icon.
Insert Vertices Here	Allows operators to add vertices at the selected point of the link icon.
Delete Vertex	Allows operators to remove the selected vertex from the link icon.
Stop Editing Polyline	Returns the link icon to its display mode
Delete Link	Removes the selected congestion link Icon. This option is available only in edit mode.



# Incident Icon Pop-Up Menu

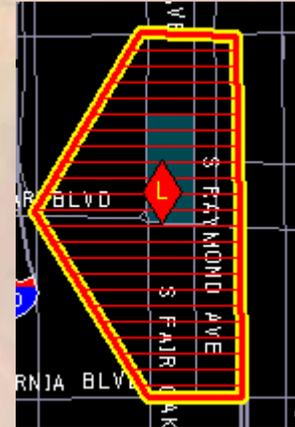
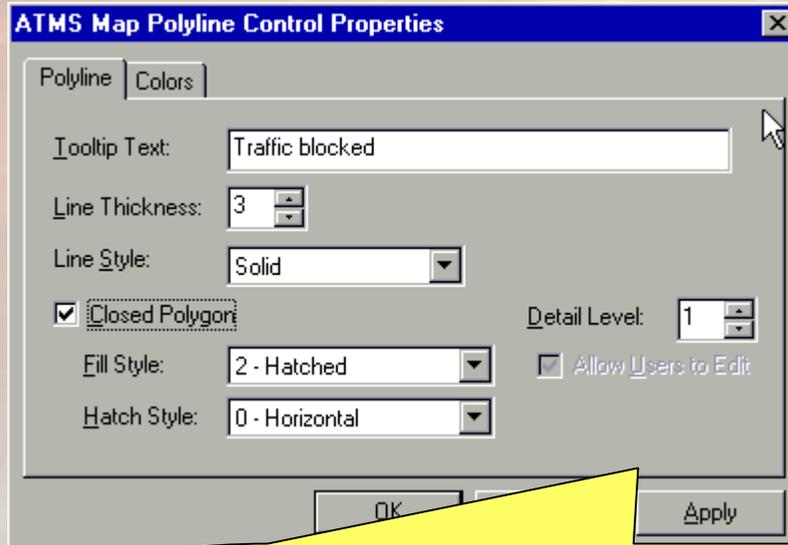
Option	Description
Add Polyline Annotation	Allows the operators to add a polyline annotation to the selected incident



Polyline annotations can be used to indicate areas of impact or a detour routes. Incident polyline annotations are placed on the map as series of vertices similar to congestion links and informational polylines.



# Incident Icon Pop-Up Menu (cont.)

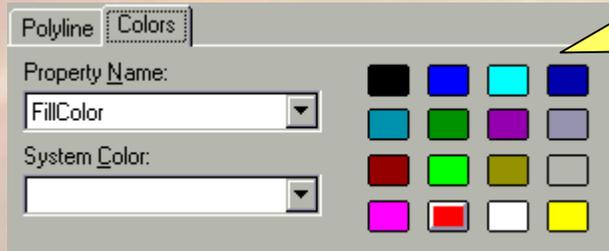


A properties window will open once the termination point of the polyline annotation is placed on the map.

- The tooltip text value is displayed in the icon's mouse over tool tip.
- The detail level specifies the minimum detail level at which the icon is visible in the map displays.
- Line thickness and style configure the appearance of the polyline.
- The annotation can be drawn as a closed polygon to indicate an area contained by the polyline.
- The fill and hatch style configure the appearance of the closed polygon.



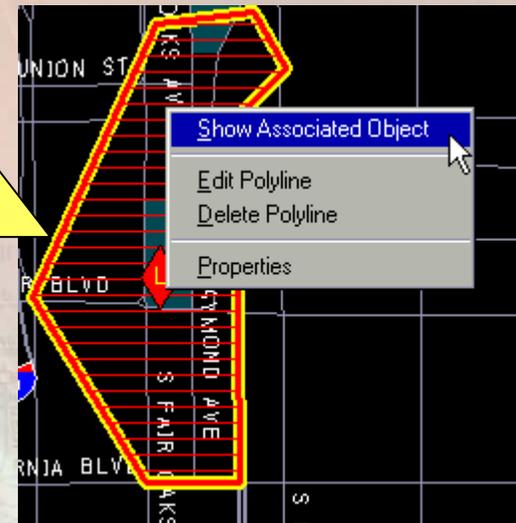
# Incident Icon Pop-Up Menu (cont.)



The color of the polyline and the polygon fill can be customized on the colors page.

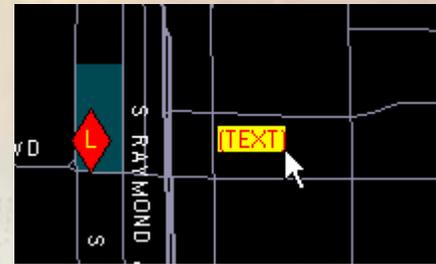
The incident polyline annotation has several options in its context menu.

- **Show associated object:** Opens MICE to show the details of the incident.
- **Edit polyline:** Allows the vertices of the polyline to be edited.
- **Delete polyline:** Removes the annotation.
- **Properties:** Opens the annotation properties window.



# Incident Icon Pop-Up Menu (cont.)

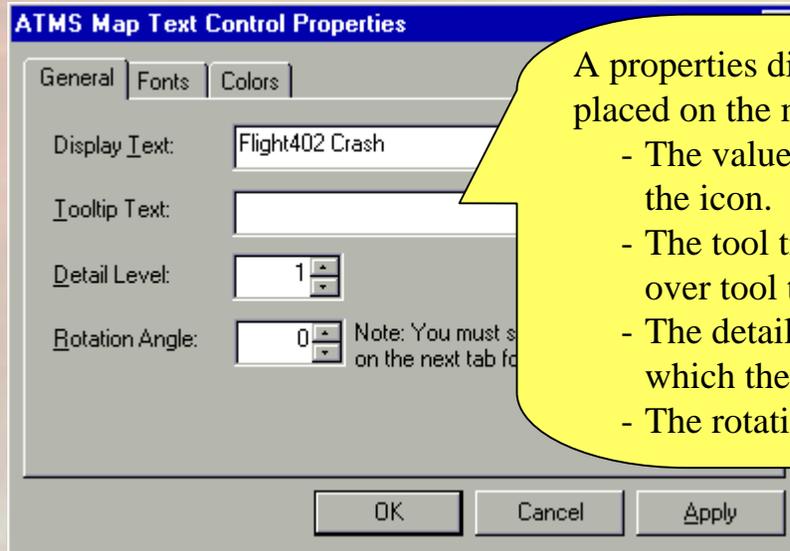
Option	Description
Add Text Annotation	Allows the user to add a textual annotation to the selected incident



The mouse pointer will become a crosshair to place the icon on the map. Position the crosshair over the desired location and left-click the mouse.

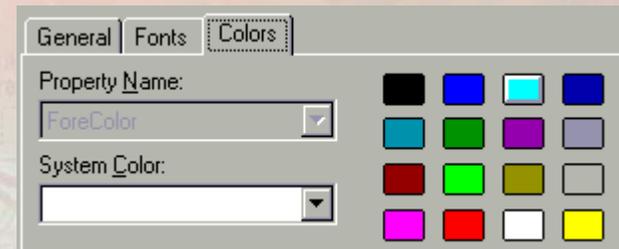
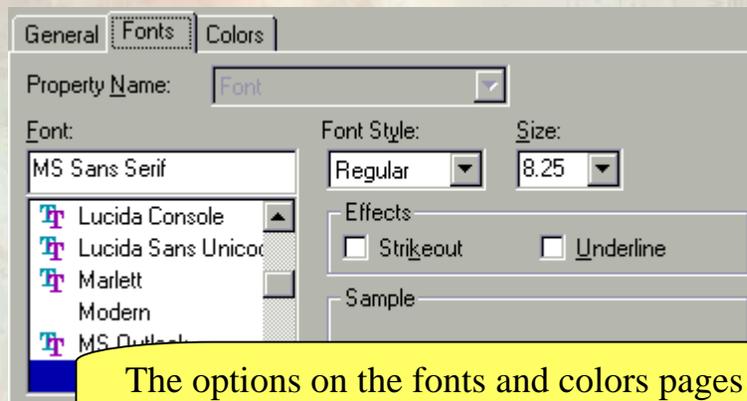


# Incident Icon Pop-Up Menu (cont.)



A properties dialog will open once the text annotation is placed on the map.

- The value entered in the display text field is shown by the icon.
- The tool tip text field is displayed in the icon's mouse over tool tip.
- The detail level specifies the minimum detail level at which the icon is visible in the map displays.
- The rotation angle can be used to reorient the icon.

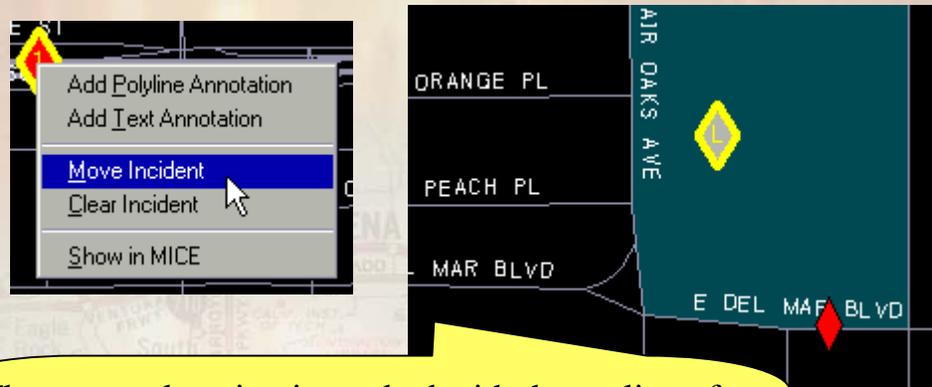


The options on the fonts and colors pages can be used to customize the appearance of the icon.



# Incident Icon Pop-Up Menu (cont.)

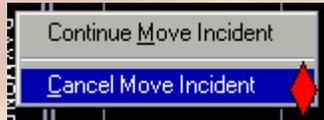
Option	Description
Move Incident	Allows authorized operators to move the selected incident icon on the map, updating the MICE record accordingly with the new location information



The current location is marked with the outline of an icon and the mouse pointer becomes a red diamond again. Position the diamond over the new location and left-click the mouse to move the icon.



# Incident Icon Pop-Up Menu (cont.)



To cancel the move, right-click the mouse and select **Cancel Move Incident**.

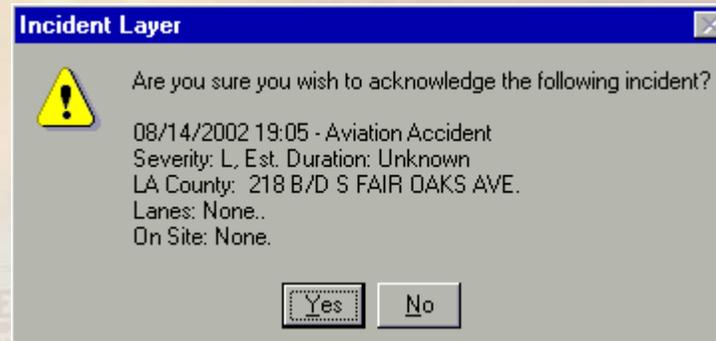


After the incident icon is moved, the system will ask whether the address of the incident should be updated in MICE as well.



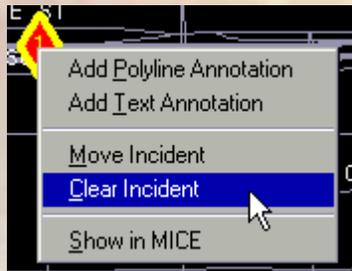
# Incident Icon Pop-Up Menu (cont.)

Option	Description
Acknowledge Incident	Allows authorized operators to acknowledge the selected incident



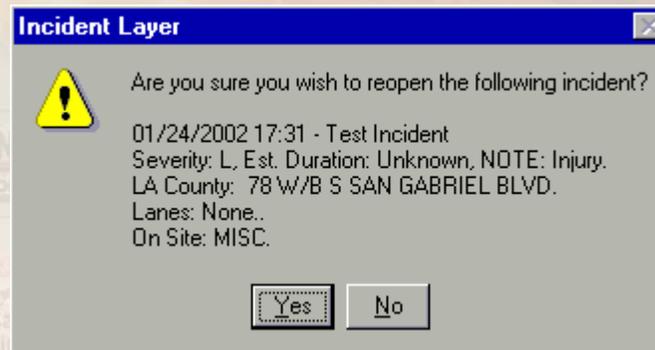
# Incident Icon Pop-Up Menu (cont.)

Option	Description
Clear Incident	Allows authorized operators to clear the selected incident

A screenshot of a dialog box titled 'Clear Incident 001-02/10/2003 ?'. The dialog contains the following fields: 'Cleared By' (empty), 'Source' (dropdown menu with '501 - Traffic Enforcement - 501' selected), 'Contact' (text input field with 'John Smith'), 'Clearing status' (dropdown menu with '1 - Cleared' selected), and 'Time Cleared' (Date: '02/28/2003', Time: '14:59'). At the bottom are 'OK' and 'Cancel' buttons.

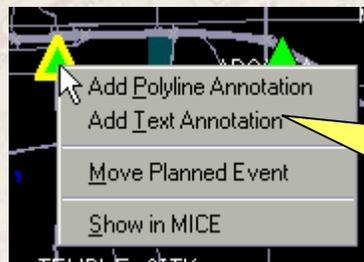
# Incident Icon Pop-Up Menu (cont.)

Option	Description
Reopen Incident	Allows authorized operators reactivate the selected cleared Incident
Show in MICE	Opens the MICE application to display the details of the selected incident



# Planned Event Icon Pop-Up Menu

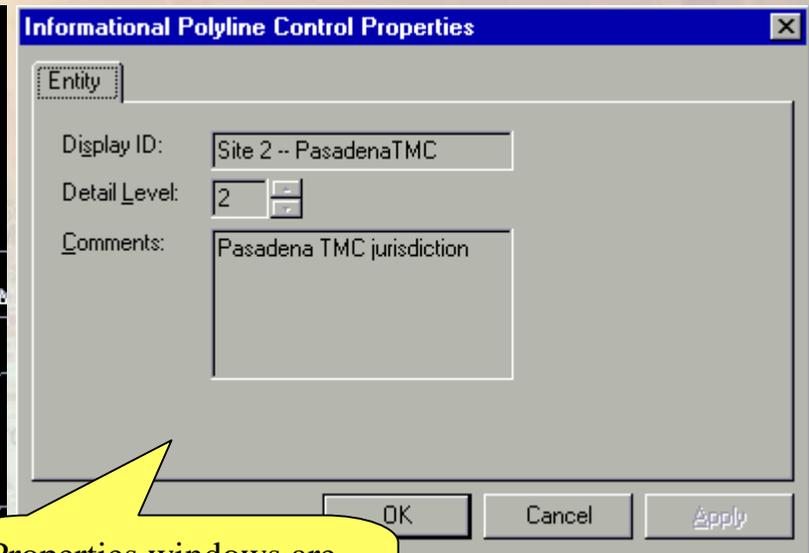
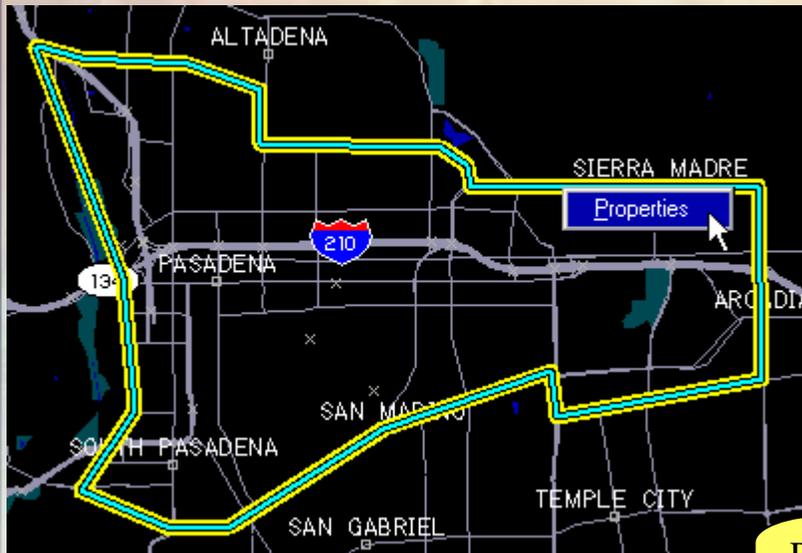
Option	Description
Add Polyline Annotation	Allows the user to add a polyline annotation to the selected planned event
Add Text Annotation	Allows the user to add a textual annotation to the selected planned event
Move Planned Event	Allows authorized operators to move the selected planned event icon on the map, updating the MICE record accordingly with the new location information
Show in MICE	Opens the MICE application to display the details of the selected incident



The planned event pop-up menu options are similar to the incident options.

# Informational Polyline Icon Pop-Up Menu

Option	Description
Properties	Opens the Informational Polyline Control Properties Window.

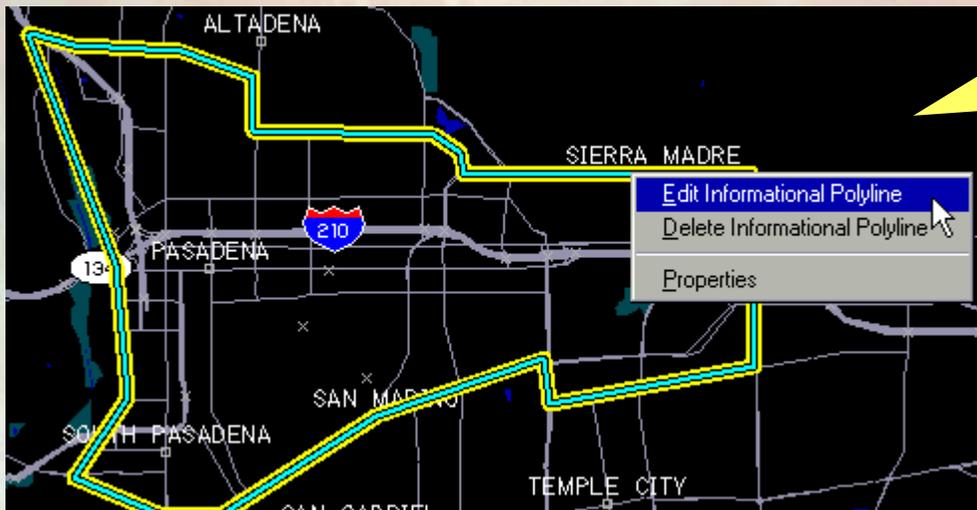


Properties windows are read-only when the map layer is in run mode.



# Informational Polyline Icon Pop-Up Menu (cont.)

Option	Description
Edit Informational Polyline	Allows authorized operators to modify the selected polyline annotation icon. This option is only available in edit mode.
Delete Informational Polyline	Removes the selected polyline annotation icon. This option is only available in edit mode



The informational polyline icon pop-up menu options are similar to the incident polyline annotation options.



# Polyline Annotation Pop-Up Menu Options

Option	Description
Properties	Opens the properties window for the polyline control.
Edit Polyline	Allows operators to modify the selected polyline annotation icon. This option is only available in edit mode.
Delete Polyline	Removes the selected polyline annotation icon. This option is only available in edit mode



# Polyline Annotation Pop-Up Menu Options (cont.)

Option	Description
Add Vertices	Allows operators to add vertices to the end of the selected polyline.
Insert Vertices Here	Allows operators to add vertices at the selected point of the polyline.
Delete Vertex	Allows operators to remove the selected vertex from the polyline.
Stop Editing Polyline	Returns the polyline to its display mode



# Text Annotation Pop-Up Menu

Option	Description
Properties	Opens the ATMS Text Control Properties Window. This option is available in run and edit modes, however the properties window is read-only while the layer is in run mode.
Move Text Annotation	Allows operators to change the location of the selected text on the map
Delete Text Annotation	Allows the operators to remove the selected text annotation icon



# Intersection Detail Window

---

- Displays detailed TCS data for a single intersection
- Provides intersection control options:
  - Change timing plan
  - Change operational mode
  - Release IEN Control
- The window is launched by double-clicking an intersection icon or selecting the **Monitor** option from an icon's pop-up menu



# Intersection Detail Window Screen

**MARENGO AVE. @ GLENARM ST.**

File Edit Command Show

<b>Entity</b> Corridor ID: SGV Site ID: Pasadena System ID: Pasadena Series 2000 system Entity Name: int317 Section Number: 1		<b>Summary</b> Signal Status: Normal Comm Rsp: Responding Mode: TIMEBASE Alarms: None Preempt: None Main St. Green: Inactive																																																				
<b>Phase State</b> Timing Plan: 5 Cycle Counter: 61 Master Cycle Counter: 66 Planned Cycle Length/Offset: 60/15 Last Cycle Length/Offset: 60/10		<b>Status</b> Comm State: Good Comm Attempts: 50 Good Responses: 50 Bad Responses: 45 No Responses: 5																																																				
<b>Phases</b> <table border="1"> <tr> <td>Phase:</td> <td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td><td>13</td><td>14</td><td>15</td><td>16</td> </tr> <tr> <td>Last Cycle:</td> <td>-</td><td>31</td><td>-</td><td>21</td><td>-</td><td>32</td><td>-</td><td>22</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td> </tr> <tr> <td>Programmed:</td> <td>-</td><td>30</td><td>-</td><td>22</td><td>-</td><td>30</td><td>-</td><td>22</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td> </tr> </table>				Phase:	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	Last Cycle:	-	31	-	21	-	32	-	22	-	-	-	-	-	-	-	-	Programmed:	-	30	-	22	-	30	-	22	-	-	-	-	-	-	-	-
Phase:	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16																																						
Last Cycle:	-	31	-	21	-	32	-	22	-	-	-	-	-	-	-	-																																						
Programmed:	-	30	-	22	-	30	-	22	-	-	-	-	-	-	-	-																																						
<b>Active Phases</b> Active Phases: 4, 8 Vehicle Call State: 2, 8 Ped. Phase State: -		Intervals: (not available)																																																				

[c] Copyright 2001 TransCore ITS, Inc. 11/6/02 16:29:32



# Intersection Detail Window Menus

---

- The menu bar includes four (4) pulldown menus with various options for manipulating the Intersection Details Window
  - File Menu
  - Edit Menu
  - Command Menu
  - Show Menu



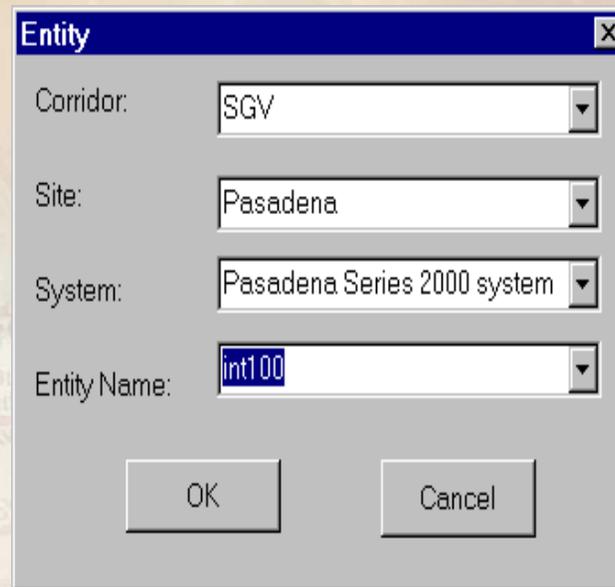
# Intersection Detail Window File Menu Options

Option	Description
Print	Sends a screen shot of the Intersection Details Window to the system's default printer
Exit	Closes the Window



# Intersection Detail Window Edit Menu Options

Option	Description
Entity	Launches the Entity dialog, which is used to select the intersection being monitored in the detail window



The screenshot shows a dialog box titled "Entity" with a close button (X) in the top right corner. It contains four dropdown menus and two buttons. The first dropdown is labeled "Corridor" and has "SGV" selected. The second is labeled "Site" and has "Pasadena" selected. The third is labeled "System" and has "Pasadena Series 2000 system" selected. The fourth is labeled "Entity Name" and has "int100" selected. At the bottom, there are "OK" and "Cancel" buttons.



# Intersection Detail Window Command Menu Options

Option	Description
Change Plan	Opens the Change Plan dialog
Change Mode	Opens the Change Mode dialog
Release IEN Control	Releases the selected intersection from IEN control
Detach	Disassociates the current instance of the Intersection Detail Window allowing multiple windows to be opened



# Intersection Command Authority

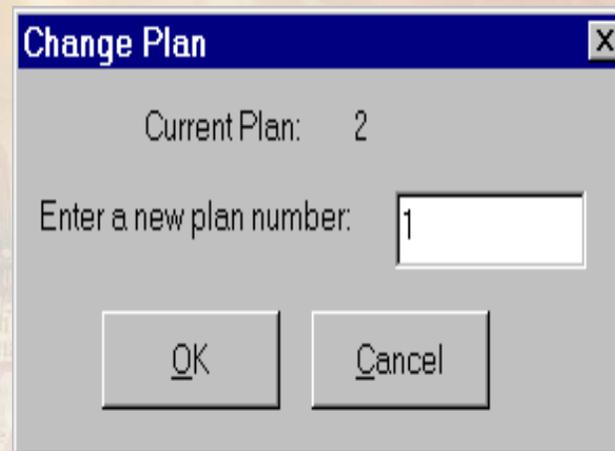
---

- Operators are only able to send commands to intersections for which they hold the EXECUTE privilege
- Resource privileges are configured through the *IEN System Configuration Manager*



# Change Plan Dialog

- The Change Plan Dialog is used to change the timing plan of the selected TCS intersection controller



# Change Plan Dialog (cont.)

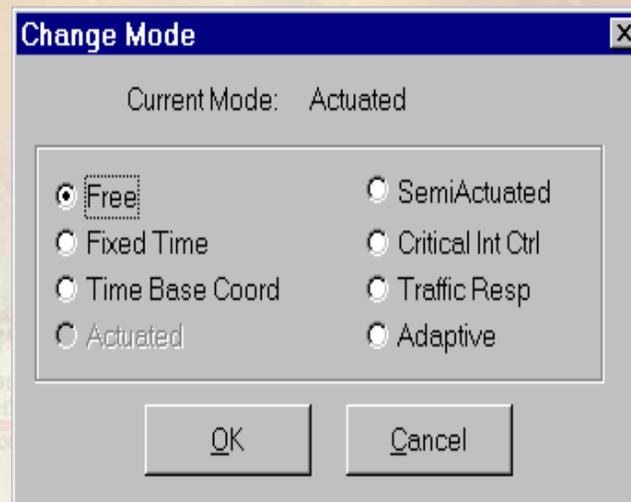
---

- The dialog identifies the timing plan currently running at the intersection
- To change the plan, enter the desired plan number in the field provided and click the **OK** button
- A confirmation dialog is displayed prior to issuing the command
- Clicking **Cancel** closes the window without requesting a plan change



# Change Mode Dialog

- The Change Mode Dialog is used to change the operational mode of the selected TCS intersection controller



# Change Mode Dialog (cont.)

---

- The current mode is identified at the top of the window
- To change the mode, select the radio button next to the desired mode and click **OK**
- A confirmation dialog is displayed prior to sending the command
- Clicking **Cancel** closes the window without requesting a mode change



# Intersection Detail Window Show Menu Options

Option	Description
Zoom to Map	Opens the ATMS Map application and centers the map view on the selected intersection



# ATMS Navigator Status Bar

- The following information is displayed in the status bar
  - Current activity
  - Current geo-coordinates
  - Current map scale and detail levels
  - Current address

© 1997-2001 TransCore ITS, Inc.. For Help, press F1

118.130407 W

34.144735 N

16.85 miles, Detail 2

64 S LAKE AVE PASADENA CA 91101



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# Locate Address Window

**Locate Address** [X]

Address

Street Number:

Street Name:

Cross Street:

City:

State:

Zip Code:

Matches

**18 S ROSEMEAD BLVD EAST PASADENA CA 91107**

18 N ROSEMEAD BLVD EAST PASADENA CA 91107



# Locate Address Window (cont.)

---

- Locate Address Window is located in the Map Pop-Up Menu
- The Locate Address dialog is used to find a particular address or set of addresses on the map
- To Search for an address, enter as much of the address in the fields provided and click the **Find Matches** button
- A list of matches is displayed in the bottom half of the window
- Select the desired address and click the **Mark** button to display a “pushpin” icon on the map to mark the location



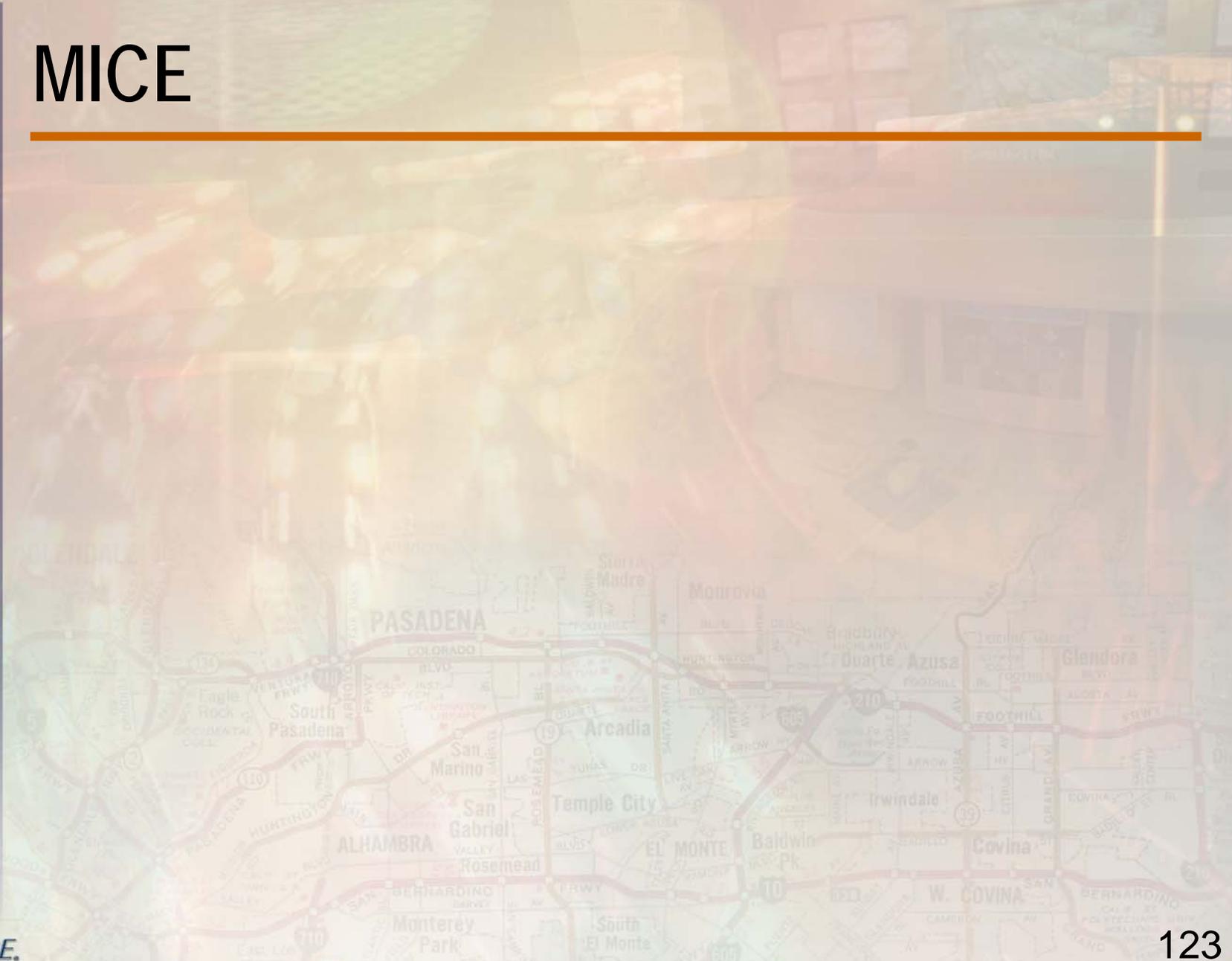
# Locate Address Window Options

Option	Description
Find Matches	Queries the streets database for records that match the specified address parameters
Clear Fields	Clears the address parameter specification fields to allow new address information to be entered
Mark	Marks the location of the selected address with a “pushpin” icon on the map
Clear Marks	Removes all “pushpin” icons from the map
Close	Closes the window



# MICE

---



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# MICE Information

---

- The user can track incidents and planned events from start to finish by collecting the following information
  - Who reported the incident
  - When the incident was reported
  - Where the incident is located
  - What the incident type is
  - Who should be notified
  - Who has been notified
  - What units responded to the incident
  - When the responding units have arrived
  - What actions have been taken
  - When the incident was closed



# MICE Overview

The screenshot shows the MICE - Active Incidents application window. The interface is divided into several key areas:

- Menu Bar:** Located at the top, containing 'System', 'Incident', 'View', 'Tools', and 'Help'.
- Toolbar:** A row of icons below the menu bar for navigation and actions.
- Browser Pane:** A table listing active incidents with columns for Id, Time, Sev, Type, Cty, and Location.
- Details Pane:** A form for incident details, including fields for Operator, Date, Workstation, Time, Scenario, and Severity.
- Status Bar:** A bar at the bottom of the window displaying system information like 'Copyright © 1997-2001 TransCore ITS, Inc. For Help, press F1', '10:36:04', '3', and 'No filtering'.

Id	Time	Sev	Type	Cty	Location
001-08/24/2001	11:47	4	SWEEP	LA	596 E/B 2ND AVE
002-08/24/2001	12:04	1	TRAF	LA	B/D ROSEMEAD AVE
003-08/24/2001	15:15	1	TEST	LA	1802 E/B E WALNUT ST

Details for Incident 001-08/24/2001:

- Operator: Test-Admin
- Date: 08/24/2001
- Workstation: SGV\_1
- Time: 11:47
- Scenario: 128
- Severity: 4
- Duration: 2 hours
- Type: SWEEP - Hwys Sweeping Operation/Tree Trimming/I
- Location: LA - LA County, 596, 2ND AVE, E/B - Eastbound, Median
- Lanes Affected: L2,MDN.
- On Site: PD,DOT.



# MICE Screen Areas

---

- *MICE* consists of five (5) main screen areas
  - Menu Bar
  - Toolbars
  - Browser Pane
  - Details Pane
  - Status Bar
- The browser and details panes can be sized vertically by clicking and dragging the bar separating the areas --> all other areas are fixed



# MICE Privileges

Privilege	ATMS Supervisors	ATMS Operators	ATMS Editors	ATMS Guests
View MICE Records	X	X	X	X
Add MICE Records	X	X		
Edit MICE Records	X	X		
Acknowledge Incidents	X			
Clear Incidents	X	X		
Print MICE Reports	X	X		



# MICE Screen Characteristics

---

- The MICE browser and details panes consist of a series of tabbed pages
- Operators navigate between pages by selecting the desired tab along the top of the pane
- The browser pane displays one of three MICE event lists:
  - Active Incidents
  - Cleared Incidents
  - Planned Events



# MICE Screen Characteristics (cont.)

---

- MICE pick lists are populated with values from the MICE Selection tables
- MICE Selection Table values are configured through the *ATMS Database Administration* application



# MICE Browser Pages

- MICE provides three (3) separate browser lists
  - Active Incidents
  - Cleared Incidents
  - Planned Events

◆ Active Incidents									
◆ Cleared Incidents									
▲ Planned Events									
Id	Time	Sev	Type	Cty	Location	Reported	Remarks		
◆ 001-05/18/1999	14:38	1	1067	MK	B/D 10TH AV	501			
◆ 001-05/19/1999	08:08	1	ABAN	MK	E/B W WISCONSIN AV	501			
◆ 001-05/20/1999	14:47	5	BRIDGE	MK	B/D W MARQUETTE AV	PD			
✘ 001-05/21/1999	06:48	1	1067	WK	2740 N/B 1ST AV @ BROWN ST	TOW			



# MICE Details Pane

---

- The details page displays detailed information for the incident or planned event selected in the Browser Pane
- Red text indicates that a field value has been changed and will need to be reviewed and acknowledged by a supervisor
- All changes and acknowledgements to incidents are logged on the update log page.



# MICE Details Pane

---

- MICE log entries identify the operator who made the change, the date and time the change was made, and the MICE record fields that were updated
- The actions page contains responses, notifications, and notes associated with the selected incident or planned event



# MICE Details Pane

---

- The MICE details pane contains four (4) tabbed pages:

Page	Description
Details	Displays detailed information for the selected incident or planned event. Allows operators to modify MICE record information.
Actions	Lists notifications, notes, and responses associated with the selected incident or planned event
Cleared Information	Displays clearing information for the selected cleared incident. This pane is only available when a cleared incident is selected in the browser.
Update Log	Displays the update log for the selected incident





# MICE Actions Page

Oper.	WorkStation	Date	Action Taken
 Admi...	ATMS-TEST	05/18/1999 13:01	Mishefski, John - Office Responded 05/18/1999 15:02. Street party for Don's birthday.
 Admi...	ATMS-TEST	05/18/1999 15:04	This is a surprise party.
 Admi...	ATMS-TEST	12/30/1899 00:00	SANIT - clean-up eta 05/18/1999 17:30 etc 05/18/1999 18:30



# MICE Cleared Info Page

 Details  Cleared Info  Actions  Update Log

Clearing Operator: Administrator

Date Cleared: 05/10/2001

Time Cleared: 10:16

Source Cleared By: TEST

Contact: Michael Bayer

Cleared Status: Cleared

ReOpen



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# MICE Update Log Page

Oper.	WorkStation	Date	Updated
Admini	ATMS-TEST	05/18/1999 14:38	Created Incident 1
Admini	ATMS-TEST	05/18/1999 14:38	Updated LanesClosed for Incident 1
Admini	ATMS-TEST	05/19/1999 10:01	Acknowledged Incident 1
Admini	ATMS-TEST	05/19/1999 13:53	Updated Involves for Incident 1
Admini	ATMS-TEST	05/19/1999 14:04	Updated AgenciesOnSite for Incident 1
Admini	ATMS-TEST	05/20/1999 14:47	Acknowledged Incident 1



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# MICE Menu

---

- The MICE menu bar consists of the following menus:
  - System Menu
  - Incident Menu (or Planned Event Menu)
  - View Menu
  - Tools Menu
  - Help Menu
- The menu bar will contain either the Incident menu or the Planned Event menu depending on which type of event is currently being displayed in the browser pane.



# MICE Menu (cont.)

---

- The Incident Menu is available when either the active or cleared incidents list are selected in the browser pane
- The Planned Event Menu is only available when the planned event list is selected in the browser pane
- Many of the options found in the MICE menus are also available through toolbar options and accelerator keys



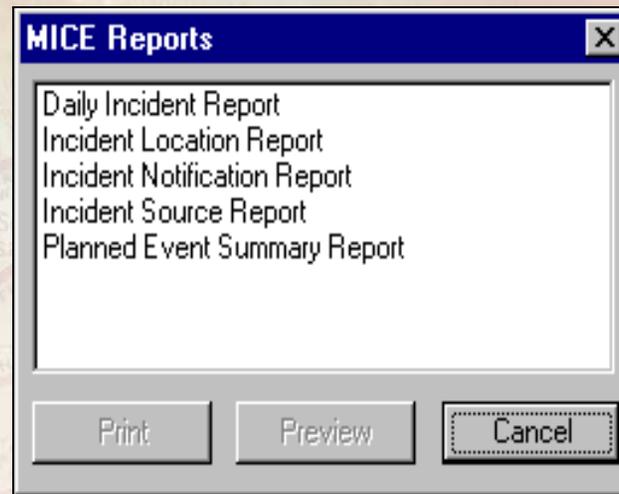
# MICE System Menu Options

Option	Description
Reports	Opens the MICE Reports dialog through which the operator can print and preview the preformatted MICE activity reports
Exit	Closes the application



# MICE Reports Dialog

- The MICE Reports dialog presents the list of available MICE activity reports
- To print or preview a report, select the desired report from the list and click the appropriate option button.
- The **Cancel** button closes the dialog



# MICE Incident Menu Options

Option	Description
New	Opens the Add Incident dialog through which incidents can be created
Acknowledge	Approves MICE incident updates and cleared incidents
Clear	Opens the Clear Incident dialog through which the selected active incident can be cleared
Reopen	Reactivates the selected cleared incident
Update	Saves incident updates to the database
Cancel Update	Discards unsaved incident updates and restores the incident information from the database
New Notification	Opens the Add Notification dialog through which incident notifications can be created for the selected incident



# MICE Incident Menu Options (cont.)

Option	Description
New Note	Invokes the Add Notes dialog through which incident notes can be created for the selected incident
New Response	Invokes the Add Response dialog through which incident responses can be created for the selected incident
Edit	Opens an edit window for the selected incident notification, note, or response
Print	Prints the selected incident



# Add Incident Dialog

The Add Incident dialog is used to create new MICE incidents

**Add Incident**

**NOTE**

**Incident Started**

Date: 05/18/1999  
Time: 10:22

**Reported By**

Source: DOT - Department of Transportation  
Contact:

**Description**

Type: DV - Disabled Vehicle Severity: 3 Duration: 15 mins

**Location**

Cnty.: 2 - Waukesha Addr: Main: 124TH  
Dir.: B/D - Both Cross: Cross:

Qualifier:

**Lanes Affected**

None.

**On Site**

None.

**Remarks**

Add  Cancel



# Add Incident Dialog Information

---

- The Add Incident dialog is divided into several sections
- The *Note* section pushbuttons allow operators to indicate whether the accident contains injuries, hazardous materials, fire, and/or fatalities



# Add Incident Dialog Information (cont.)

---

- The *Incident Started* section is used to specify the date/time the incident began
  - The current date/time is selected by default
  - Operators can change the date/time by entering new values in the fields provided or by using the arrow pushbuttons or arrow keys on the keyboard to adjust field values up or down
  - Selecting the large down arrow pushbutton will launch a calendar dialog from which the date/time can be selected



# Add Incident Dialog Information (cont.)

---

- The *Reported By* section is used to indicate the agency reporting the new incident and a contact name at that agency
  - Operators can either explicitly select the source from the provided pick list or enter the first digits or letters to call up the desired value
  - Optionally, operators may also want to specify a name in the contact field



# Add Incident Dialog Information (cont.)

---

- The *Description* section is used to describe the incident itself
  - Operators can either explicitly select the incident type, severity, and duration from the provided pick lists or enter the first digits or letters to call up the desired values
  - Incident severities range from 1 (least severe) to 5 (most severe) or L (long term)
  - Estimated incident durations range from 1/4 hour to 4+ hours



# Add Incident Dialog Information (cont.)

---

- The *Location* section defines where the incident occurred and determines where the incident icon will be displayed on the map
  - Operators select county and direction values from the provided pick lists
  - Operators type in the address and street name (if available) or select the main street and cross street from their pick lists
  - Two cross street fields are available in case the incident is between two streets
  - Optionally, operators can enter additional information in the "Qualifier" field



# Add Incident Dialog Information (cont.)

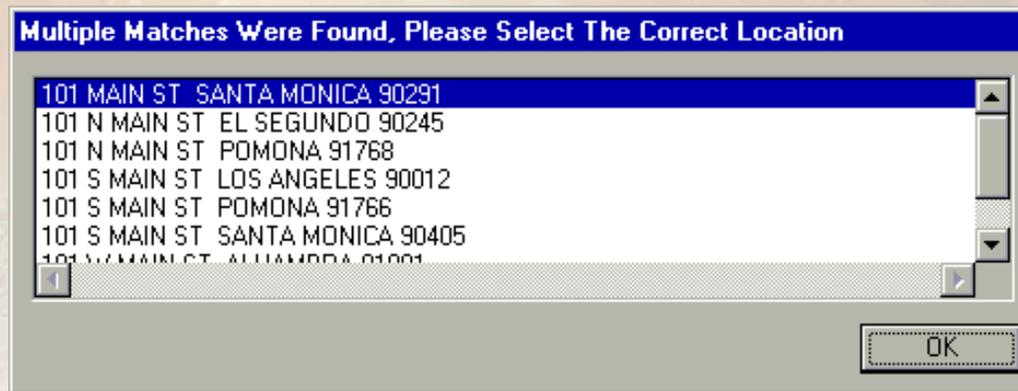
---

- MICE will check that the main street and the cross street actually intersect using the address (first choice) or the intersection as the incident location on the map
- MICE will accept an address that can't be located on the map
  - Operators will get a message stating that the location cannot be geo-coded and the incident won't be displayed on the map
  - In the browser, the incident's icon will have a red slash through it



# Add Incident Dialog Information (cont.)

- In the event that MICE finds multiple matching entries in the streets database, the location selection dialog will allow operators to select the desired address



# Add Incident Dialog Information (cont.)

- The *Lanes Affected* section is used to indicate which lane(s) are being affected by the incident

Lanes Affected

- Access - ACC
- Lane 1 - L1
- Lane 2 - L2
- Lane 3 - L3
- Lane 4 - L4
- Lane 5 - L5
- Lane 6 - L6
- Lane 7 - L7
- Lane 8 - L8
- Median - MDN
- Other - OTH
- Ramp - RMP
- Shoulder - SHLDR

OK Cancel



# Add Incident Dialog Information (cont.)

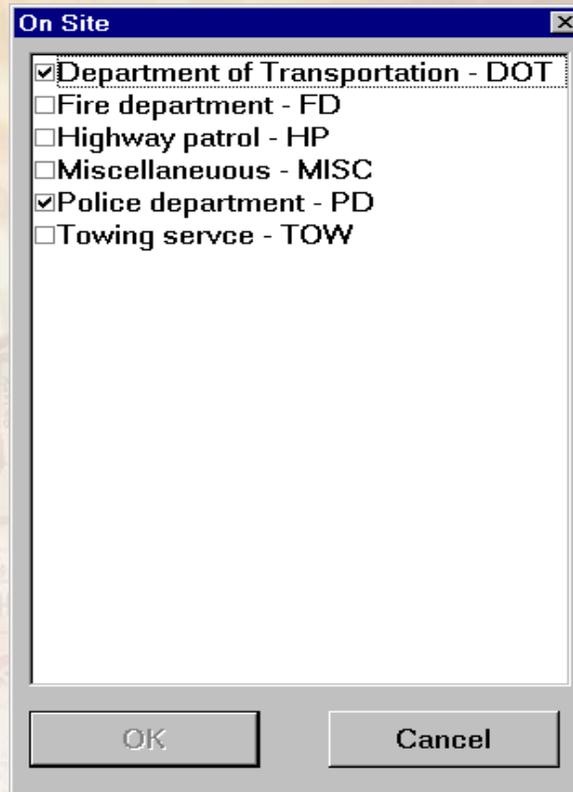
---

- The Lanes Affected dialog can be opened by clicking the pushbutton provided in the Lanes Affected section
- Affected lanes are selected using the check boxes
- Click the **OK** button to commit the selected lanes affected or the **Cancel** button to close the window without making any changes



# Add Incident Dialog Information (cont.)

- The *On Site* section is used to indicate which responding agencies are at the location of the incident



The screenshot shows a dialog box titled "On Site" with a close button (X) in the top right corner. The dialog contains a list of agencies with checkboxes:

- Department of Transportation - DOT
- Fire department - FD
- Highway patrol - HP
- Miscellaneous - MISC
- Police department - PD
- Towing service - TOW

At the bottom of the dialog are two buttons: "OK" and "Cancel".



# Add Incident Dialog Information (cont.)

---

- The On Site dialog can be opened by clicking the pushbutton provided in the On Site section
- On Site agencies are selected using the check boxes
- Click the **OK** button to commit the selected lanes affected or the **Cancel** button to close the window without making any changes



# Add Incident Dialog Information (cont.)

---

- *Remarks* is a freeform field used to provide additional incident information



# Completing the Add Incident Dialog

---

- After entering the incident information, select the **Add** button to save the new incident to the central database
- Operators will be prompted for additional information if any of the required data fields have been left empty



# Clear Incident Dialog

The Clear Incident dialog is used to clear MICE incidents

Clear Incident 1806-03/13/1998 ?

Cleared By

Source: 501 - Traffic Enforcement - 501

Contact:

Clearing status

Time Cleared

Date: 03/26/1999 Time: 09:02

OK Cancel



# Clear Incident Dialog Information

---

- The *Cleared By* section is used to identify the department or agency reporting that the incident has been cleared and a contact name at the agency
  - Operators can either explicitly select the source from the provided pick list or enter the first digits or letters to call up the desired value
  - Optionally, operators may also want to specify a name in the contact field



# Clear Incident Dialog Information (cont.)

## Incident Clearing Statuses

Option	Description
Cleared	The selected incident has been cleared and is no longer affecting traffic
Duplicate	The selected incident record duplicates another incident record
Invalid	The selected incident was not actually an incident



# Clear Incident Dialog Information (cont.)

---

- The *Time Cleared* fields identify the date/time that the incident was cleared
  - The current date/time is selected by default
  - Operators can change the date/time by entering new values in the fields provided or by using the arrow pushbuttons or arrow keys on the keyboard to adjust field values up or down
  - Selecting the large down arrow pushbutton will launch a calendar dialog from which the date/time can be selected



# Completing the Clear Incident Dialog

---

- After entering the clearing information, select the **OK** button to change the status of the selected incident
- Operators will be prompted for additional information if any of the required data fields have been left empty
- Cleared incidents will remain on the Active Incident list until they are acknowledged by a supervisor



# Add Notification Dialog

- The Add Notification Dialog is used to add a notification to an incident or planned event

**Add Incident Notification**

Identification  
Incident: 001-05/13/1999    Date: 05/18/1999  
Operator: Administ    Time: 13:06

Person Notified  
[Dropdown Menu]  
Number: [Text Field]  
Given To: [Text Field]

Responded:  
Now    Date: [Date Picker]    Time: [Time Picker]

Instructions  
[Text Area]

Internal Remarks  
[Text Area]

[Add] [Cancel]



# Add Notification Dialog Information

- The *Identification* section identifies the MICE record with which the notation is associated
- MICE will enter the Incident and Operator values automatically

Option	Description
Incident	ID of the MICE record with which the notification is associated
Operator	The operator who last modified the selected notification
Date/Time	The date/time the notification was created



# Add Notification Dialog Information (cont.)

---

- The *Person Notified* section is used to indicate the person who has been notified
- MICE will automatically enter the Contact Number value after a Person Notified has been selected.
- In the “Given To” field, operators can enter the person to whom they gave the message if the primary contact wasn't available



# Add Notification Dialog Information (cont.)

---

- The *Responded* section is used to specifying the date/time that notification was responded to
  - The **Now** button populates the fields with the current date/time
  - Operators can change the date/time by entering new values in the fields provided or by using the arrow pushbuttons or arrow keys on the keyboard to adjust field values up or down
  - Selecting the large down arrow pushbutton will launch a calendar dialog from which the date/time can be selected
- It is likely that the response time will need to be updated after the notification is created, because the person notified may not respond immediately



# Add Notification Dialog Information (cont.)

---

- The *Instructions* section is a freeform field in which instructions received from the notified agency/person are entered
- The *Internal Remarks* section is used for any additional notification information
- Internal Remarks are not made available to any external systems that have access to the MICE database



# Add Note Dialog

- The Add Note Dialog is used to add a note record to an incident or planned event

**Add Incident Note** [X]

Identification

Incident: 010-01/11/2001      Date: 02/08/2001

Operator: Administrator      Time: 10:58

Note

This is a Note

Internal Remarks

This is a Remark

✓ Add      ✗ Cancel



# Add Note Dialog Information

---

- The *Identification* section identifies the MICE record with which the note is associated
- MICE will enter the Incident and Operator values automatically

Option	Description
Incident	ID of the MICE record with which the note is associated
Operator	The operator who last modified the selected note
Date/Time	The date/time the note was created



# Add Note Dialog Information (cont.)

---

- The *Note* and *Internal Remarks* sections are freeform fields used to provide additional information
- Internal Remarks are not made available to any external systems that have access to the MICE database



# Add Response Dialog

- The Add Response Dialog is used to add response records to an incident or planned event

**Add Incident Response**

Identification  
Incident: 001-05/13/1999 Date: 05/18/1999  
Operator: Administ Time: 13:11

Description  
Unit: 501 - Traffic Enforcement - 501  
Description:

Instructions

ETA  
Date: 12/30/1899 Time: 00:00

ETC  
Date: / / Time: : :

ATA  
Date: / / Time: : : Now

ATC  
Date: / / Time: : : Now

✓ Add    ✗ Cancel



# Add Response Dialog Information

- The *Identification* section identifies the MICE record with which the response is associated
- MICE will enter the Incident and Operator values automatically

Option	Description
Incident	ID of the MICE record with which the response is associated
Operator	The operator who last modified the selected response
Date/Time	The date/time the response was created



# Add Response Dialog Information (cont.)

---

- The *Description* section is used to identify the responding unit
  - Operators can either explicitly select the unit from the provided pick list or enter the first digits or letters to call up the desired value
  - Optionally, operators may want to add additional unit identification information in the “Description” field



# Add Response Dialog Information (cont.)

---

- *Instructions* is a freeform field in which the operator can document the instructions given to the responding unit



# Add Response Dialog Information (cont.)

---

- The remaining sections allow operators to record response metrics (estimated and actual date/time of arrival and date/time of completion values)
  - The **Now** button populates the fields with the current date/time
  - Operators can change the date/time by entering new values in the fields provided or by using the arrow pushbuttons or arrow keys on the keyboard to adjust field values up or down
  - Selecting the large down arrow pushbutton will launch a calendar dialog from which the date/time can be selected



# MICE Planned Event Menu Options

Option	Description
New	Opens the Add Planned Event dialog through which new planned events can be created
Update	Saves planned event updates to the database
Cancel Update	Discards unsaved planned event updates and restores the information from the database
New Notification	Opens the Add Notification dialog through which notifications can be created for the selected planned event
New Note	Invokes the Add Notes dialog through which incident notes can be created for the selected planned event
New Response	Invokes the Add Response dialog through which responses can be created for the selected planned event



# MICE Planned Event Menu Options (cont.)

Option	Description
Edit	Opens an edit window for the selected notification, note, or response
Print	Prints the selected planned event



# Add Planned Event Dialog

The Add Planned Event dialog is used to create MICE planned events

**Add Planned Event**

Type: CONSTR - Construction

Effective Date/Times:  
Start: 05/19/1999 08:00  
End: 05/21/1999 15:30  
 Continuous  
 Daily

Reported By Source: DOT - Department of Transportation  
Contact:

Location:  
Cnty.: 1 - Milwaukee  
Main: W WISCONSIN AV  
Dir.: E/B - Eastbound  
Cross:  
Qualifier:

Lanes Affected:  None.

Remarks:

Add  Cancel



# Add Planned Event Dialog Information

---

- The *Type* section is used to indicate the type of planned event



# Add Planned Event Dialog Information (cont.)

---

- The *Reported By* section is used to indicate the agency reporting the new planned event and a contact name at that agency
  - Operators select the source from the provided pick list
  - Optionally, operators may also want to specify a name in the contact field



# Add Planned Event Dialog Information (cont.)

---

- The *Effective Date/Time* section is used to specify the start and end date/times of the planned event
- A planned event may occur repeatedly at a certain time every day or it may occur continuously for hours or days



# Planned Event Effective Date/Times

---

## Example #1: Daily Planned Events

- Effective time: 2:00 PM until 3:00 PM
- Effective date: August 23, 2002 thru August 28, 2002

## Example #2: Continuous Planned Events

- Start time/date: 6:00 AM on August 23, 2001
- End time/date: 7:00 AM on August 28, 2001



# Add Planned Event Dialog Information (cont.)

---

- The *Location* section defines where the planned event will occur and determines where the associated icon will be displayed on the map
  - Operators select county and direction values from the provided pick lists
  - Operators type in the address and street name (if available) or select the main street and cross street from their pick lists
  - Two cross street fields are available in case the planned event is between two streets
  - Optionally, operators can enter additional information in the "Qualifier" field



# Add Planned Event Dialog Information (cont.)

---

- MICE will check that the main street and the cross street actually intersect using the address (first choice) or the intersection as the planned event location on the map
- MICE will accept an address that can't be located on the map
  - Operators will get a message stating that the location cannot be geo-coded and the planned event won't be displayed on the map
  - In the browser, the planned event's icon will have a red slash through it



# Add Planned Event Dialog Information (cont.)

- The *Lanes Affected* section is used to indicate which lane(s) are being affected by the planned event

Lanes Affected

- Access - ACC
- Lane 1 - L1
- Lane 2 - L2
- Lane 3 - L3
- Lane 4 - L4
- Lane 5 - L5
- Lane 6 - L6
- Lane 7 - L7
- Lane 8 - L8
- Median - MDN
- Other - OTH
- Ramp - RMP
- Shoulder - SHLDR

OK Cancel



# Add Planned Event Dialog Information (cont.)

---

- *Remarks* is a freeform field in which additional planned event information can be provided



# Completing the Add Planned Event Dialog

---

- Select the **Add** button to save the new planned event to the central database
- Select the **Cancel** button to close the form without creating the record



# MICE View Menu Options

Option	Description
Toolbar	Shows/Hides the application toolbar
Status Bar	Shows/Hides the application status bar
Details Pane	Shows/Hides the details pane

**MICE - Active Incidents**

System Incident View Tools Help

Active Incidents Cleared Incidents Planned Events

Id	Time	Sev	Type	Cnty	Location	Rep
003-01/24/2002	17:31	L	TEST	LA	78 W/B S SAN GABRIEL BLVD	OEM
003-08/14/2002	19:05	L	AVTN	LA	218 B/D S FAIR OAKS AVE	CT
001-08/16/2002	18:30	L	ABAN	LA	613 1/2 N ALTADENA DR	CTZI
001-02/10/2003	09:41	1	ADV	LA	E/B I 210	SC

Details Actions Update Log

NOTE: 003-01/24/2002

Operator: Administrator Date: 01/24/2002

Workstation: SGV\_1 Time: 17:31

Description: Type: TEST - Test Incident Severity: L Duration: Unknown

Copyright © 1997-2002 TransCore ITS, Inc. For Help, press F1

Toolbar

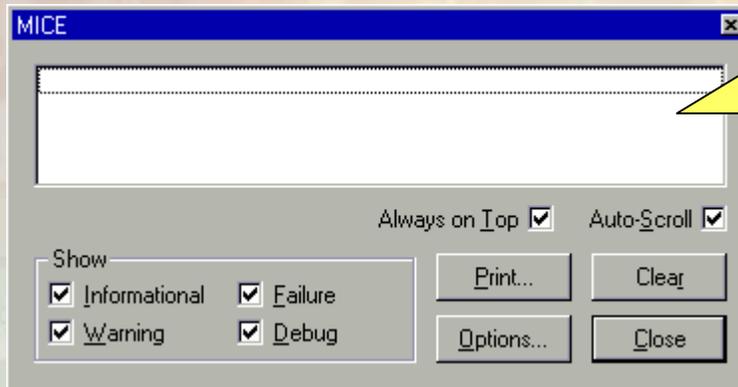
Details Pane

Status Bar



# MICE View Menu Options (cont.)

Option	Description
Message Window	Shows the message window
Refresh	Forces a query to the central MICE database



The MICE Message Window shows informational, warning, failure, and debug messages generated by MICE application. The parameters in the show frame are used to filter types of messages from the view area.

The message window is configured by default to popup automatically whenever MICE generates a message. The automatic popup feature can be configured within the options.



# MICE View Menu Options (cont.)

Option	Description
Keyboard Focus	Toggles the keyboard focus between the detail and browser panes

**Browser Pane**

Id	Time	Sev	Type	Cnty	Location
003-01/24/2002	17:31	L	TEST	LA	78 1/2 S SAN GABRIEL BLVD
003-08/14/2002	19:05	L	AVTN	LA	218 B/D S FAIR OAKS AVE
001-08/16/2002	18:30	L	ABAN	LA	613 1/2 N ALTADENA DR
001-02/10/2003	09:41	1	ADV	LA	E/B I 210

**Details Pane**

NOTE: 003-01/24/2002

Operator: Administrator Date: 01/24/2002

Workstation: SGV\_1 Time: 17:31

Linked Scenario(s): (none)

Relevant Scenario(s):

Reported By: Source: Contact:

Description: Type: TEST - Test Incident Severity: L Duration: Unknown

Copyright © 1997-2002 TransCore ITS, Inc. For Help, press F1 | 17:31:01 | 4 | No filtering



# MICE View Menu Options (cont.)

Option	Description
Active Incidents	Selects the Active Incidents list in the list pane

Id	Time	Sev	Type	Cnty	Location	Reported	Remarks
003-01/24/2002	17:31	L	TEST	LA	78 W/B S SAN GABRIEL BLVD	OEM	
003-08/14/2002	19:05	L	AVTN	LA	218 B/D S FAIR OAKS AVE	CT	
001-08/16/2002	18:30	L	ABAN	LA	613 I/B N ALTADENA DR	CTZN	
001-02/10/2003	09:41	1	ADV	LA	E/B I 210	SC	



# MICE View Menu Options (cont.)

Option	Description
Cleared Incidents	Selects the Cleared Incidents list in the list pane

Id	Time	Cleared	Sev	Type	Cnty	Location
001-01/24/2002	16:17	08/29/2002 15:24	2	TF	LA	130 N/B N EL MOLINO AVE
002-01/24/2002	17:10	02/12/2003 11:46	2	TEST	LA	345 N/B GREEN ST @ THRACE AVE
001-08/14/2002	16:21	02/12/2003 11:46	1	TEST	LA	4167 W/B MONTEREY RD
002-08/14/2002	18:33	08/16/2002 19:54	High	ACC	LA	18724 B/D E ARROW HWY
001-08/26/2002	17:17	02/25/2003 14:14	1	AA	LA	F14 B/D COLORADO ALY
001-11/19/2002	13:30	02/18/2003 14:54	4	ACC	LA	101 E/B SHOWCASE



# MICE View Menu Options (cont.)

Option	Description
Planned Events	Selects the Planned Events list in the list pane

**MICE - Planned Events**

System Planned Event View Tools Help

Active Incidents Cleared Incidents **Planned Events**

Id	Start Date	End Date	Start	End	Type	C/D	Cnty	Location
▲ 001-01/24/2002	01/24/2002	01/24/2002	16:43	18:43	FLEET	D	LA	101 S/B ROSEMEAD AVE
▲ 001-02/21/2002	02/21/2002	02/21/2002	11:12	14:12	CONCERT	D	LA	101 B/D COLORADO BLVD

Copyright © 1997-2002 TransCore ITS, Inc. For Help, press F1 18:05:17 2 No filtering



# MICE View Menu Options (cont.)

Option	Description
Details	Selects the Details display in the detail pane

Details
  Actions
  Update Log

NOTE: 003-01/24/2002

Operator: Administrator Date: 01/24/2002  
 Workstation: SGV\_1 Time: 17:31

Linked Scenario(s): (none)  
 Relevant Scenario(s):

Reported By: Source: OEM - Office of Emergency Management  
 Contact: Michael Bayer

Description: Type: TEST - Test Incident Severity: L Duration: Unknown

Location: Cnty: LA - LA County Addr: 78 Main: S SAN GABRIEL BLVD  
 Dir.: W/B - Westbound Cross: Cross: Qualifier:

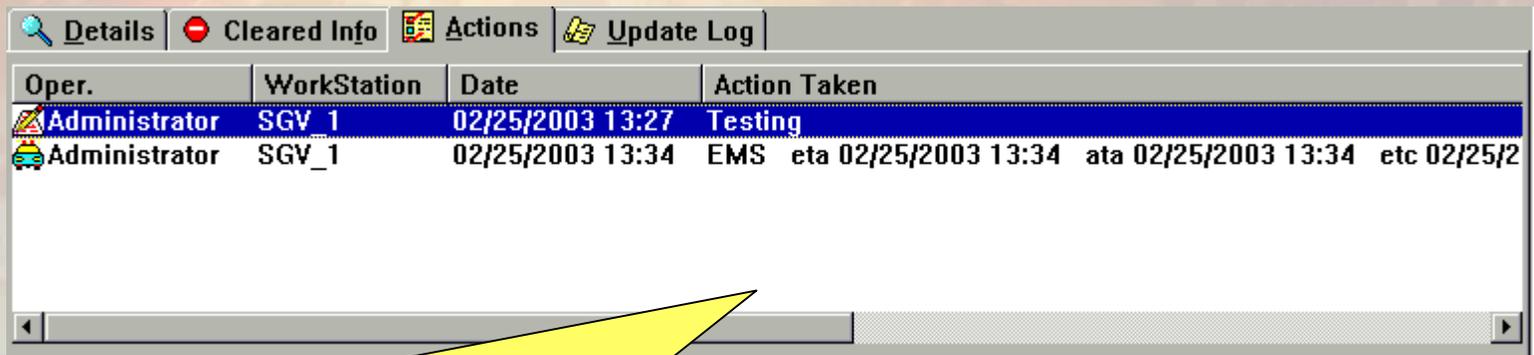
Lanes Affected:  None.

On Site:  MISC.



# MICE View Menu Options (cont.)

Option	Description
Actions	Selects the Actions display in the detail pane



The screenshot shows a software interface with a menu bar containing 'Details', 'Cleared Info', 'Actions', and 'Update Log'. Below the menu is a table with the following data:

Oper.	WorkStation	Date	Action Taken
Administrator	SGV_1	02/25/2003 13:27	Testing
Administrator	SGV_1	02/25/2003 13:34	EMS eta 02/25/2003 13:34 ata 02/25/2003 13:34 etc 02/25/2

The actions pane lists note, notification, and response records for the selected MICE event. The pane identifies:

- the operator who last modified the record
- the workstation from which the record was modified
- the date/time of the last modification
- a summary description of the information contained in the record

Double-click an action to open the corresponding record detail screen.



# MICE View Menu Options (cont.)

Option	Description
Cleared Information	Selects the Cleared Information display in the detail pane

Details Cleared Info Actions Update Log

Clearing Operator: Administrator

Date Cleared: 02/25/2003

Time Cleared: 14:14

Source Cleared By: 501

Contact:

Cleared Status: Cleared

ReOpen

The cleared info pane identifies:

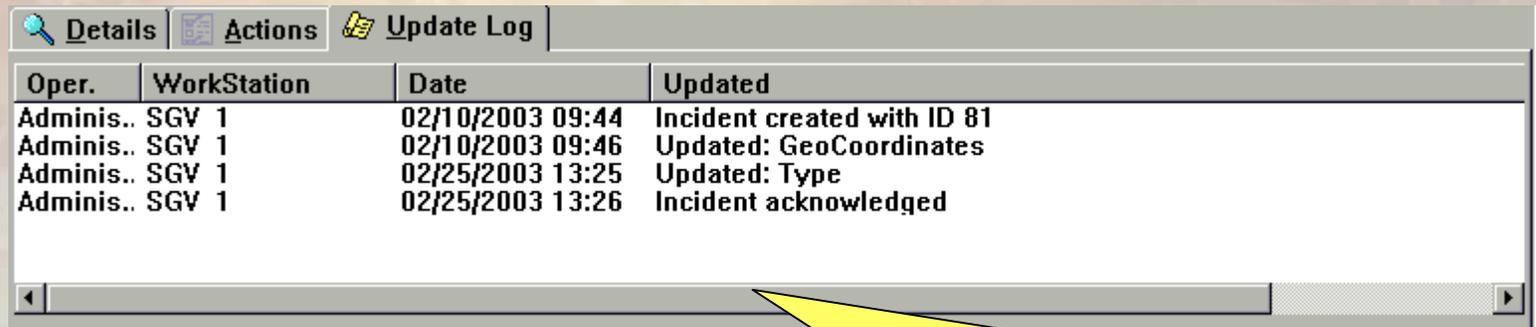
- the operator who cleared the incident
- the date/time that the incident was cleared
- the agency and who reported the incident closed
- the clearing status (closed, duplicate, or invalid)

The **Reopen** button can be used to return the incident to an active status.



# MICE View Menu Options (cont.)

Option	Description
Update Log	Selects the Update Log display in the detail pane



Oper.	WorkStation	Date	Updated
Adminis..	SGV 1	02/10/2003 09:44	Incident created with ID 81
Adminis..	SGV 1	02/10/2003 09:46	Updated: GeoCoordinates
Adminis..	SGV 1	02/25/2003 13:25	Updated: Type
Adminis..	SGV 1	02/25/2003 13:26	Incident acknowledged

The update log pane identifies:

- operators who have acted upon the selected MICE event
- the workstation from which they acted
- the date/time of the action
- a summary description of the action



# MICE View Menu Options (cont.)

Option	Description
Apply Filter	Opens the Apply Filter dialog
Remove Filter	Removes the filter from the current list

**Apply Filter**

Active Incidents | Cleared Incidents | Planned Events

Date/Time Ranges

No Date Filtering     Since    02/27/2003

Last 24 hours     Between    02/27/2003

Last 48 hours    and    02/27/2003

Remove Filter

Fields

No Field Filtering

Severity    1

Type    1067 - Vehicle Tagged and Ready for Tow

County    LA - LA County

Source    501 - Traffic Enforcement - 501

OK    Cancel

The apply filter dialog allows operators to focus the MICE displays on a particular set of incidents or planned event.



# Apply Filter Dialog

---

- The Apply Filter dialog is used to control the contents of the browser lists
- MICE records can be filtered by a combination of dates and event attributes
  - Operators can filter by the date/time, severity, type, County, or source field values
  - Only a single field criteria may be selected at a time, but date/time and field filtering can be combined
- The **Remove Filter** button drops all filter parameters, showing all records in the browser lists



# Active and Cleared Incident Filters

**Apply Filter** [X]

Active Incidents | Cleared Incidents | Planned Events

**Date/Time Ranges**

No Date Filtering     Since 08/29/2001

Last 24 hours     Between 08/29/2001

Last 48 hours    and 08/29/2001

Remove Filter

**Fields**

No Field Filtering

Severity 1

Type 1067 - Vehicle Tagged and Ready for Tow

County LA - LA County

Source 501 - Traffic Enforcement - 501

OK    Cancel



# Planned Event Filters

**Apply Filter** [X]

Active Incidents | Cleared Incidents | **Planned Events**

**Date/Time Ranges**

No Date Filtering     Since 08/29/2001

Last 24 hours     Between 08/29/2001

Last 48 hours    and 08/29/2001

**Fields**

No Field Filtering

Type AWARD - Awards

County LA - LA County

Source 501 - Traffic Enforcement - 501

Remove Filter

OK    Cancel



# MICE Tools Menu Options

Option	Description
Open ATMS Navigator	Launches the ATMS Navigator application
Zoom to ATMS Navigator	Launches the ATMS Navigator application and centers the map view on the selected incident or planned event



# MICE Help Menu Options

Option	Description
Help Topics	Opens the online help for the application
About MICE	Opens the version/copyright information dialog



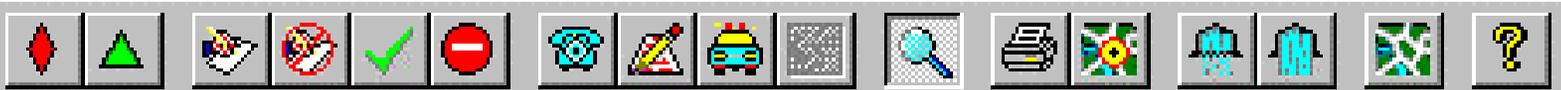
# MICE Toolbar

---

- The MICE toolbar provides icons representing functions also available from the menu bar
- As the cursor moves over the toolbar icons, floating tool tips give them a one-word description of the icon function
- More descriptive tool help appears on the status bar



# MICE Toolbar (cont.)



- New Incident
- New Planned Event
- Save Updates
- Cancel Update
- Acknowledge
- Clear
- New Notification
- New Note
- New Response
- Edit
- Details
- Print
- Zoom
- Apply Filter
- Remove Filter
- Map
- About



# MICE Toolbar (cont.)

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- The toolbar is always displayed unless explicitly hidden from the View Menu
- A tool will be disabled (grayed out) if it is not applicable for the selected browser list or MICE record.



# MICE Popup Menu

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- A context sensitive pop-up menu is displayed when an incident or planned event record is right-clicked in the browser pane
- The pop-up menu options are identical to the options found on the Incident or Planned Event Menus



# MICE & Scenarios

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- *MICE* has been integrated with the *IEN Scenario Manager* application to allow authorized operators to activate scenario plans in response to an incident
- A scenario plan is a pre-configured set of TCS device actions intended to facilitate traffic flow along a specific section of roadway



# MICE & Scenarios (cont.)

---

- Scenario plans are intended to help deal with the following:
  - Congestion at accident prone intersections
  - Planned events that impact traffic within the roadway system
  - Coordination of cross-jurisdictional incident response
- Scenario plans are configured through the *IEN System Configuration Manager* application
- Scenario plans are managed and monitored using the IEN Scenario Manager application



# MICE & Scenarios (cont.)

- By selecting the **Relevant Scenarios** button found on the MICE details page, operators can quickly view a list of scenarios with an “area-of-impact” that contains the location of the selected incident.

A screenshot of a web interface showing a dropdown menu for "Linked Scenario(s)" with "Huntington@SG 001" selected. Below the dropdown is a button labeled "Relevant Scenario(s)". The background is a map of the Huntington Park area in Los Angeles.

# MICE & Scenarios (cont.)

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- After a scenario plan has been activated, operators may associate the plan with the MICE incident whose effects the plan is intended to mitigate.
- MICE-to-scenario plan associations are established within the *IEN Scenario Manager* application.



# MICE & Scenarios (cont.)

---

- In MICE, the associated scenarios are shown in the Linked Scenario section of the MICE details page.
- Upon closing an incident, all scenario associations are dropped, however scenarios will continue to operate until either the activation end date/time is reached or an operator manually deactivates the plan(s).



# MICE & Scenarios (cont.)

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- The IEN Scenario Manager application will be covered in Day 2 of the IEN System Operators Training.
- Additional scenario plan information can be found in the following locations:
  - Scenario operation: Scenario Plan Manager on-line help screens and the *IEN System Operators Manual*.
  - Scenario configuration: System Configuration Manager on-line help screens and the *IEN System Administrators Guide*



# IEN Operators Training Day 1 Wrap Up

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## Questions & Answers



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