

You can show or hide message signs in the map by clicking the **Message Signs** icon in the Toolbar Menu. Dynamic Message Signs and Portable Changeable Message Signs are treated the same way in the system.

Messages can be posted to the signs manually, through event response plans, or from a library. A message sign may have many types of messages in its message queue: the sign displays the message with the highest priority.

## ICONS



Sign that has no errors or warnings and has a blank message posted



A default non-blank message is posted or low priority message



Programmed message such as a library or travel time message



Manual message posted



**Sign error:** communication error or has a severe fault



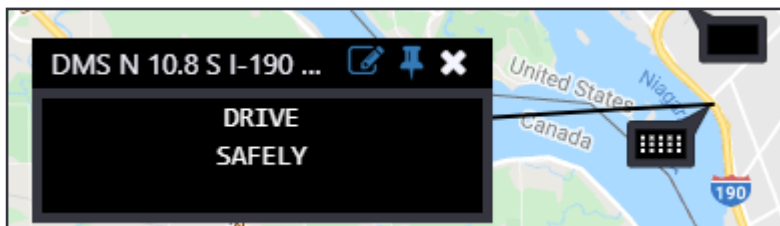
**Inactive Sign:** sign has been disabled by a user



**Portable Sign:** sign is relocatable

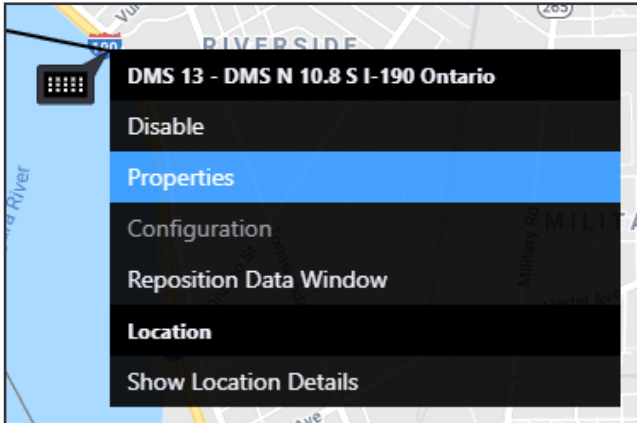
## SIGN SUMMARY

Message preview can be pulled up on the map by left-clicking on sign icon.



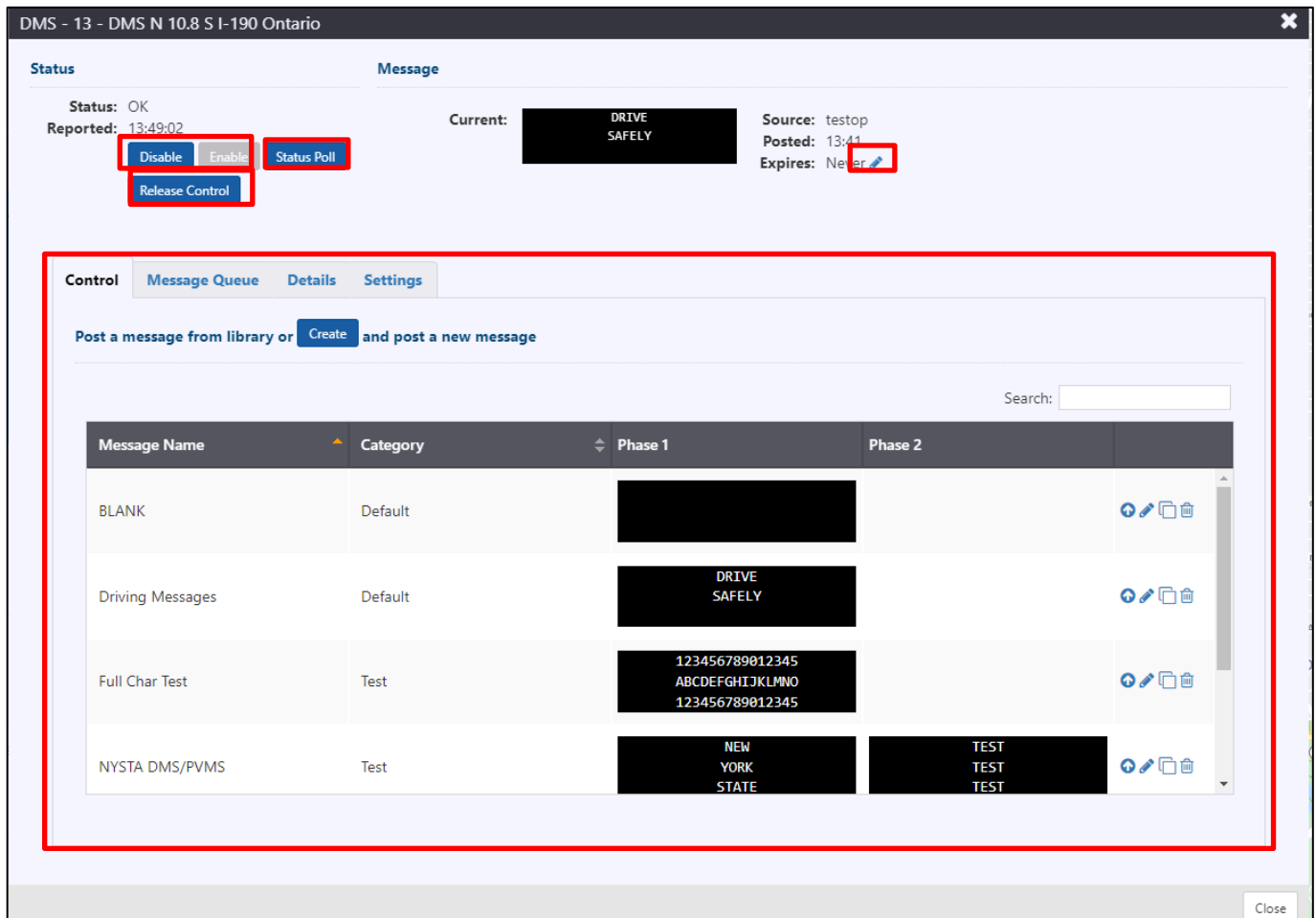
## MANAGEMENT

You can manage a sign by right clicking its icon in the map and selecting the **Properties** option.



Properties view header includes the following:

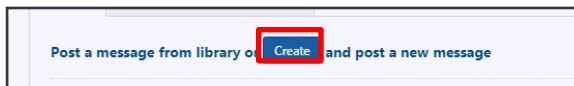
- **Disable – Enable:** disables or enables the sign
- **Release Control:** removes a manual message from the message queue
- **Expiry:** sets a duration after which the manual message is removed from the message queue
- **Detailed Sign Management:** see tabs
- **Status Poll:** poll the sign

A screenshot of the "Properties" view for a sign. The window title is "DMS - 13 - DMS N 10.8 S I-190 Ontario". The view is divided into two main sections: "Status" and "Message".  
**Status Section:**  
- Status: OK  
- Reported: 13:49:02  
- Current: DRIVE SAFELY  
- Source: testop  
- Posted: 13:41  
- Expires: Never  
There are four buttons: "Disable", "Enable", "Status Poll", and "Release Control".  
**Message Section:**  
- Tabs: Control, Message Queue, Details, Settings  
- Text: "Post a message from library or Create and post a new message"  
- Search: [Search bar]  
- Table:  

Message Name	Category	Phase 1	Phase 2	
BLANK	Default			[Icons]
Driving Messages	Default	DRIVE SAFELY		[Icons]
Full Char Test	Test	123456789012345 ABCDEFGHIJKLMNO 123456789012345		[Icons]
NYSTA DMS/PVMS	Test	NEW YORK STATE	TEST TEST TEST	[Icons]

  
- Close button at the bottom right.

Under the Control Tab of the Detailed Sign Management window, click the Create button to create a new manual message



You can compose a new message using words from the Approved Words List (set by the System Administrator) and give it a **Name**.

Message signs can display two phases of a message alternately. Use the **Add Phase** button create a new phase.




To save this message in the Sign Library, click the **Save to Library** button. The message library is shared for all signs of the same sign type.

To put a message into the sign's message queue, click the **Post** button. In general, the message with highest priority is the only one displayed. Manual messages always have high priority.

A screenshot of the 'Create and Post Message' dialog box. It shows fields for Sign ID (13), Display Format (Daktronics 27x105), and Phase 1 text (SLIPPERY WARNING, USE CAUTION). A preview of the sign display is shown. The 'Add Phase' button is highlighted with a red rectangular box. At the bottom, there are buttons for 'Save to Library', 'Post', and 'Cancel'. The 'Save to Library' and 'Post' buttons are also highlighted with a red rectangular box.

The message library for the selected sign is shown at the bottom of the **Control** tab of the Detailed Sign Management window.

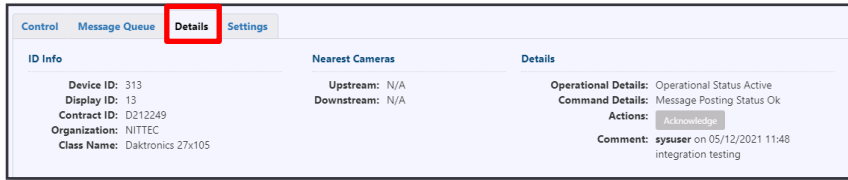
There are three buttons for each message:

-  Post this as a manual message
-  Edit this message in the message library
-  Delete this message from the message library

A screenshot of the message library table. The table has columns for Message Name, Phase 1, and Phase 2. It lists four messages: BLANK, High Wind Warning, Slippery Conditions, and test message. Each message row has three action buttons (up arrow, pencil, trash can) in the rightmost column. These buttons are highlighted with a red rectangular box.

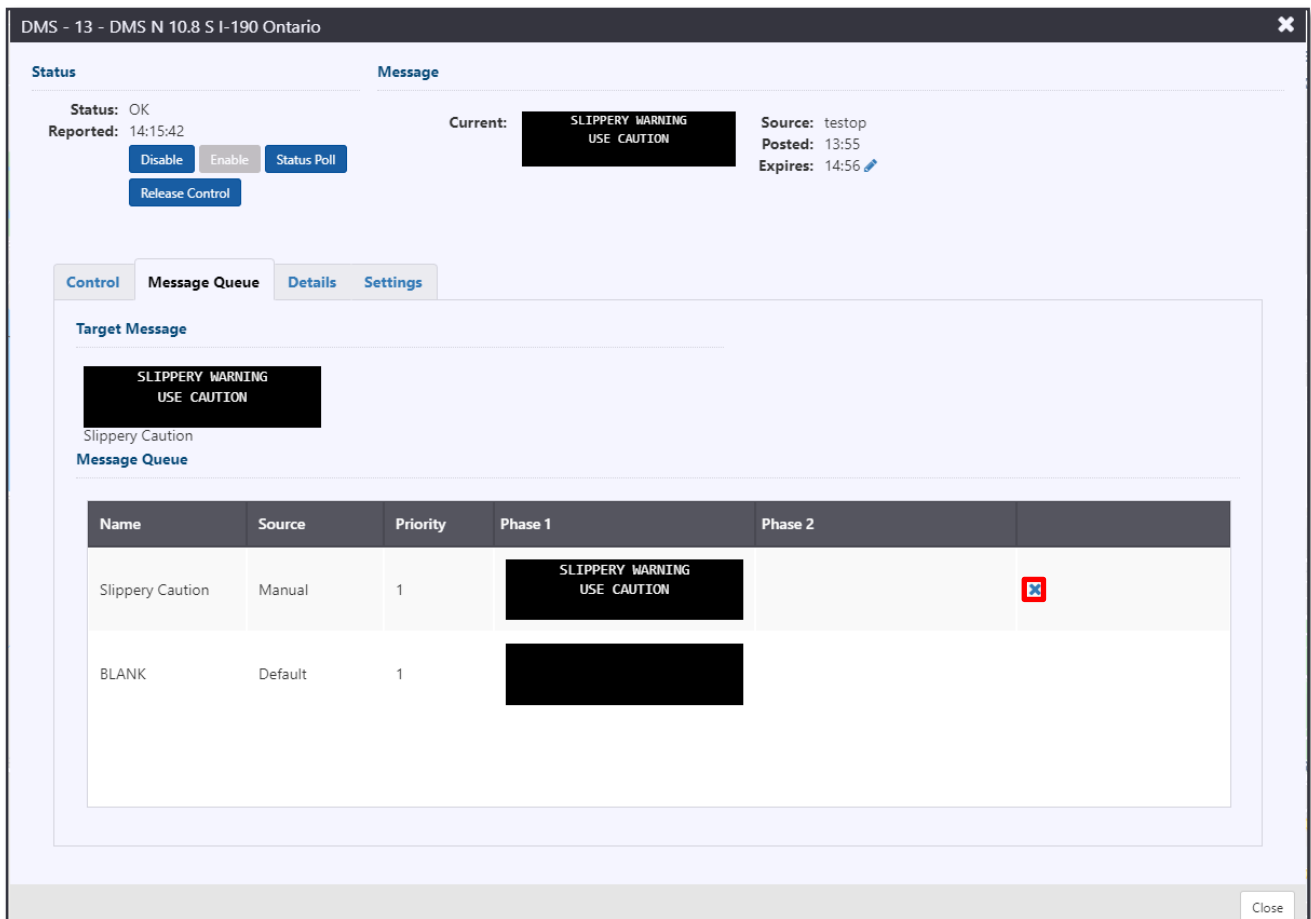
Under the **Details** tab, you can view sign inventory details (IDs) and view communication status.

Details and warning messages will be displayed under the Details item. Error messages will be included under both operational and command details, with the sign reporting if there was an error posting a message to the sign or if a message was posted successfully.



## MESSAGE QUEUE

Messages that may be posted to a sign are managed through its **Message Queue**. From here, the target message that the system will attempt to post to a sign is displayed, as well as any other messages that have been added to the sign. Messages are populated in the queue with highest priority messages appearing on top.



To allow/disallow a message to merge with another message in the queue, click the checkbox beside it.

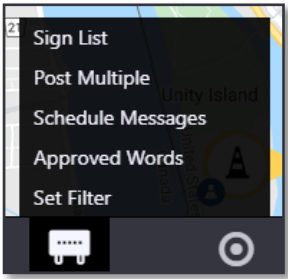
To remove a message from the queue, click the **X** beside it.

**Note:** Scheduler and Travel Time messages are continuously pushed to a sign's queue. Unchecking allow merge or removing messages from these sources will not remain in effect, as the system will repopulate missing Scheduler and Travel Time messages, with the default allow merge state. Preventing these messages from displaying is best done through setting a higher priority message to not be merge-able with a lower priority Scheduler or Travel Time message

**Note:** Messages are prioritized in two steps. First, messages are prioritized based on their Source. Manual messages always appear at the top of the priority and Default messages are at the bottom. Other sources are prioritized based on configuration. Secondly, within each source messages have a numeric priority value; higher priority numbers are higher in the message queue.

**MORE FUNCTIONS**

You can reach the signs menu by Right Clicking the **Message Signs** icon from the Action Panel. It has the choices Sign List, Post Multiple, and Schedule Messages.

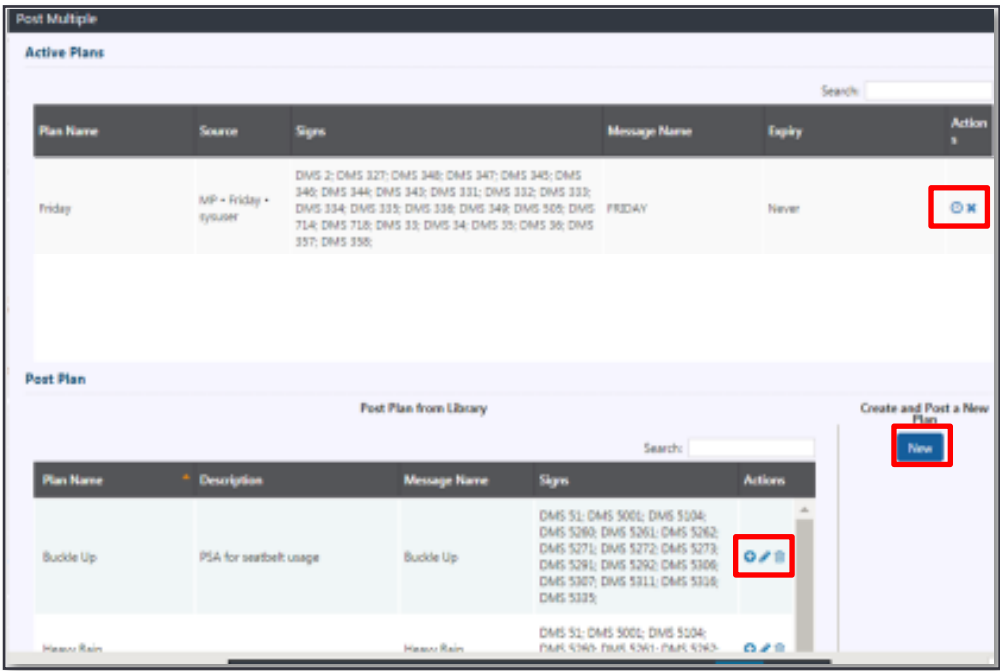


The User can post a message to a group of signs using the Post Multiple windows.

The Active Plans area shows the group messages currently active in the system, with the option to ⌚ **Modify Message Duration** or ✖ **Remove** message from signs.




The Post Plan area shows a library of multiple signs message plans, with options to ➦ **Post**, ✎ **Edit**, or 🗑 **Remove** the plan.

The Create and Post a New Plan area lets you create a **New** message plan for multiple signs.

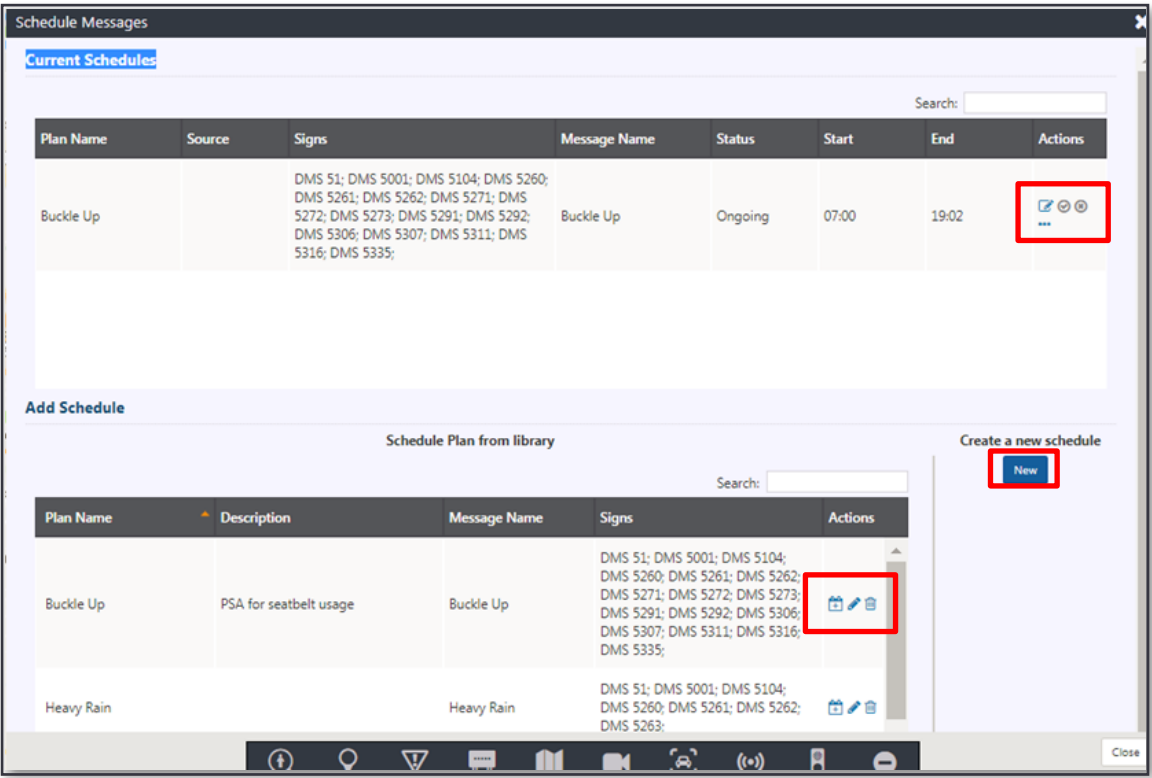


You can schedule the posting of messages to a group of signs.

The Current Schedules area shows the group messages active in the system, with the option to ✎ **Review** and edit the plan, ⌚ **Activate** the plan, or ⌚ **Deactivate** the plan. You can also **Disown** or **Delete** the plan by clicking the ⋮ button to display those choices.

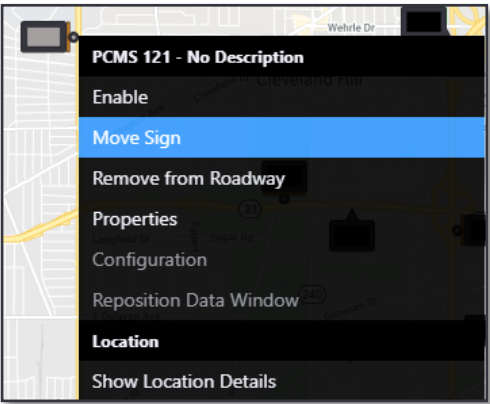
The Add Schedule area shows a library of multiple-sign message plans, with options to  confirm the **Schedule**,  **Edit** the plan, or  **Delete** the plan.

**Create a new schedule** lets you create a New plan of scheduled messages.

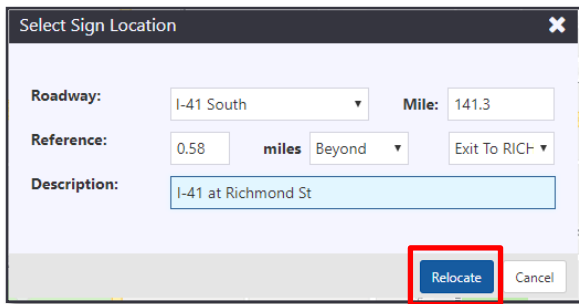


**PORTABLE SIGN FUNCTIONS**

You can relocate a portable message sign by right clicking the sign icon and selecting **Move Sign**. Selecting this option changes the sign icon to a moving state:



Drag the moving sign icon to a new location. When released, the system will ask you to select the signs' new location. Press Cancel to continue moving or select the roadway from the list. Only nearby roads configured in the system will appear. Enter a new description for the sign based on its new location and click **Relocate** to complete the move.



**Select Sign Location**

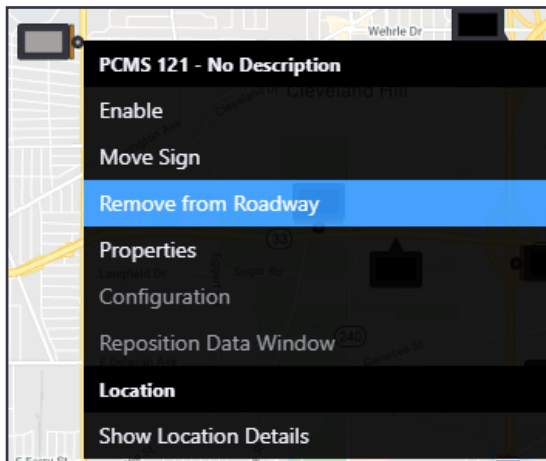
Roadway: I-41 South Mile: 141.3

Reference: 0.58 miles Beyond Exit To RICH

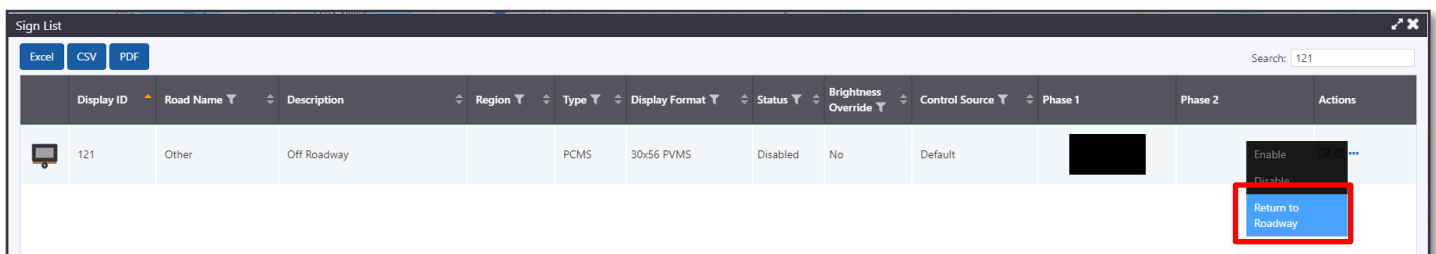
Description: I-41 at Richmond St

Relocate Cancel

A sign that is being moved to storage can be removed from the map. Right-click the sign icon and select **Remove from Roadway**. The system will prompt you to confirm that the sign should be removed from the map.



A sign that is removed from the map appears only in the **Sign List** with a Description of **Off Roadway**. Signs can be returned to the map from the sign list by selecting the menu at the right of the list and choosing **Return to Roadway**. The system will prompt for the sign location, including roadway, mile marker/reference location, and description.



Display ID	Road Name	Description	Region	Type	Display Format	Status	Brightness Override	Control Source	Phase 1	Phase 2	Actions
121	Other	Off Roadway		PCMS	30x56 PVMS	Disabled	No	Default			Enable Disable Return to Roadway