



LOUISIANA DEPARTMENT OF
TRANSPORTATION & DEVELOPMENT

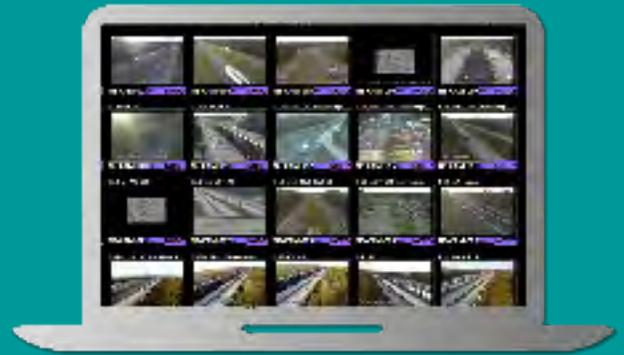
USER MANUAL

Video Distribution Management System
Companion Websites

Camera View Monitor Page



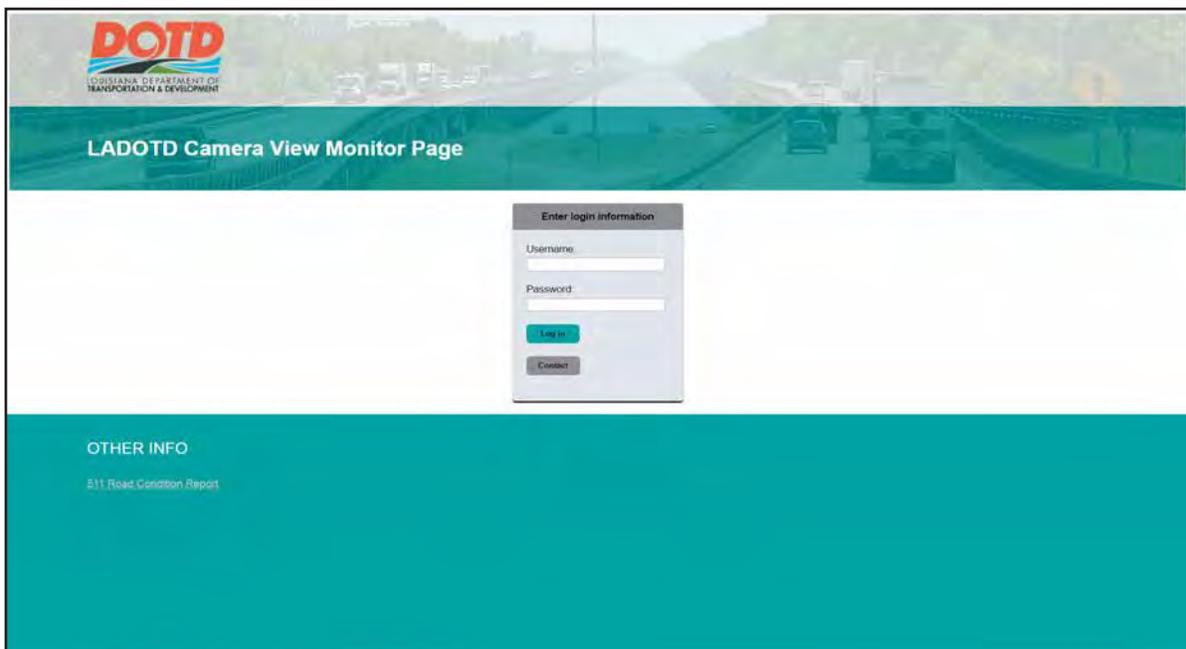
The Camera View Monitor Page allows administrators to not only quickly and visually check the status of the camera streams in the system, but manage them as well. Via the Video Management Page, administrators have the ability to disable or limit access to video streams when needed to both external agencies as well as the public.



CAMERA VIEW MONITOR PAGE

Go to the Camera View Monitor Page by navigating to the website below:
<http://trafficcams.dotd.la.gov/viewmonitor>

Login to the Camera Monitor Page with issued user credentials.



CAMERA VIEW MONITOR PAGE

In the following slides, the Camera View Monitor Page is displayed. All camera views are displayed in a square tile pattern. Below each camera is the camera ID and a summary description of the location.

The screenshot displays the Camera View Monitor Page interface. At the top, there are navigation tabs for various locations: Baton Rouge, New Orleans, Houma, Shreveport, Lafayette, North Shore, Lake Charles, Monroe, Alexandria, and All By Area. A 'Generate Report' button and a 'Sign Out' link are also visible. Below the navigation, there are options for 'Save As Default', 'Watch', and 'System Config'. A search bar is present. A legend indicates camera status: DOWN (red), INTERMITTENT (yellow), BR vds (grey), NO vds (purple), SH vds (cyan), and HOU vds (pink). The main area contains a grid of 35 camera feeds, each with a title and a location description. The feeds show various highway and street views. The bottom right feed (BR-CAM-035) is highlighted with a red border and contains a DOT logo and the text: 'IMAGE CURRENTLY UNAVAILABLE. DOTD IS WORKING TO RESOLVE THE ISSUE.'

Camera ID	Location
BR-CAM-001	I 12 at Drustilla Ln
BR-CAM-002	I 12 at Essen Ln
BR-CAM-003	I 12 e/o I 10/I 12 Split
BR-CAM-004	I 10/I 12 Split 1
BR-CAM-005	I 10/I 12 Split 2
BR-CAM-006	I 10 at Citiplace
BR-CAM-007	I 10 at College Dr
BR-CAM-008	I 10 at Acadian Thruway
BR-CAM-009	I 10 at Washington St
BR-CAM-010	I 10/I 110 Split
BR-CAM-011	I 110 Government
BR-CAM-012	I 110 Florida St
BR-CAM-013	I 10 at Nicholson
BR-CAM-014	I 10 at LA 1
BR-CAM-015	I 10 at LA 415
BR-CAM-016	I 110 at Governors Mansion
BR-CAM-017	I 10 at Essen Lane E
BR-CAM-018	I 10 at Bluebonnet Blvd E
BR-CAM-019	I 10 at Picardy Extension
BR-CAM-020	I 10 at Siegen Lane #1
BR-CAM-021	I 12 n/o Airline Hwy
BR-CAM-022	I 12 s/o Airline Hwy
BR-CAM-023	US 61 at Goodwood Blvd
BR-CAM-024	US 61 at Old Hammond Hwy
BR-CAM-025	BR US Co
BR-CAM-026	BR I-1
BR-CAM-027	BR I-1
BR-CAM-028	BR I-1
BR-CAM-029	BR I-1
BR-CAM-030	BR I-1
BR-CAM-031	BR I-1
BR-CAM-032	BR I-1
BR-CAM-033	BR I-1
BR-CAM-034	BR I-1
BR-CAM-035	BR I-1

CAMERA VIEW MONITOR PAGE

Many functional features are located at the top of the Camera View Monitor Page. The cameras are grouped by region. Use the tabs at the top of the page to navigate to each region and view camera streams for the selected region. There is also a tab for All by Area, which displays all of the total cameras available.



CAMERA VIEW MONITOR PAGE

At the top of the Video Management Page are two links: **Save as Default**, **Watch**, and **System Config**.

Save as Default - To save a region as a favorite, click the **Save as Default** link while on that region's page. The next time you log on to the Camera View Monitor Page, that region will be the default display page.

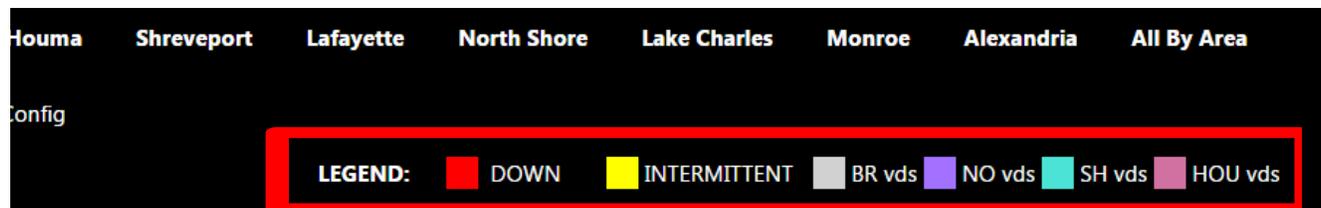
Watch – Displays all of the down video streams as well as any video streams with data loss or connection issues. Check the box next to Watch at the top left of the Video Management Page to navigate to the Watch page.

System Config - This link will redirect you to the ITS System Configuration Management Page. Within the link that opens, there are several system configuration available.



CAMERA VIEW MONITOR PAGE

A legend is displayed at the top of the page as shown below. The legend includes color codes for cameras with down video streams or video streams with intermittent data loss or connection issues. Also, it displays color codes for cameras by area.



CAMERA VIEW MONITOR PAGE

Note: *The search feature has been enhanced to present the search results as a set of camera images.*

When you type in a search query, the list of cameras is narrowed down to only those that contain the string which you are searching for. The search text is not case sensitive. Also, after hitting the 'Search' button, you will be presented with a 'Clear' button and text stating 'X matches found,' where X is the number of matching results.

The screenshot displays the Camera View Monitor interface. At the top left, there is a search bar containing the text "CAM-00" and a "Search" button. Below the search bar is a "Clear" button and the text "9 matches found." To the right of the search bar is a legend with the following items: "LEGEND: DOWN" (red square), "INTERMITTENT" (yellow square), "BR vds" (grey square), "NO vds" (purple square), "SH vds" (cyan square), and "HOU vds" (pink square). Below the legend is a grid of six camera images. Each image has a label below it: "BR-CAM-001 I-12 at Drusilla Ln", "BR-CAM-002 I-12 at Essen Ln", "BR-CAM-003 I-12 e/o I-10/I-12 Split", "BR-CAM-004 I-10/I-12 Split 1", "BR-CAM-005 I-10/I-12 Split 2", and "BR-CAM-006 I-10 at Citiplace".

CAMERA VIEW MONITOR PAGE

Note: *Clear results when making consecutive searches.*

If you have already made a search, as seen on page 6, and you try to make another search without clearing your results, a message saying 'Please clear your results.' To clear your results, click the 'Clear' button, and then you will be presented with the list of all the cameras in the inquiry. After this you are able to search normally.

The screenshot displays the Camera View Monitor interface. At the top left, there is a search input field containing 'CAM-001' and a 'Search' button. Below the search field is a 'Clear' button and a message that reads 'Please clear your results.' To the right of the search area is a legend with colored squares and labels: a red square for 'DOWN', a yellow square for 'INTERMITTENT', a grey square for 'BR vds', a purple square for 'NO vds', a cyan square for 'SH vds', and a pink square for 'HOU vds'. Below the legend is a grid of six camera feeds. Each feed shows a different view of a highway interchange or road. Below each camera feed is a label: 'BR-CAM-001 BR I-12 at Drusilla Ln', 'BR-CAM-002 BR I-12 at Essen Ln', 'BR-CAM-003 BR I-12 e/o I-10/I-12 Split', 'BR-CAM-004 BR I-10/I-12 Split 1', 'BR-CAM-005 BR I-10/I-12 Split 2', and 'BR-CAM-006 BR I-10 at Citiplace'.

CAMERA VIEW MONITOR PAGE

To select a camera, click on the thumbnail. A pop-up window will appear displaying real-time streaming video for the selected camera. Functions are available to pause video, play video, and maximize the video to view in full screen.

The screenshot displays a web-based camera monitoring interface. At the top left, there are tabs for "Watch" and "System Config", and a search bar. The main area is a grid of camera thumbnails, each with a label such as "BR-CAM-002 I-12 at Essen Ln" or "BR-CAM-010 I-10 at Washington St". A central pop-up window titled "Camera View Info" is open, showing a live video feed of a highway interchange. Below the video, the camera ID "BR-CAM-004" and name "I-10/I-12 Split 1 PTZ" are displayed. The interface also shows system status information: "Wowza: UP 11/4/2016 7:48:27 PM", "Website Status: UP", "Override Status: OFF" with a "Turn ON" button, and "Field Equipment: http://10.91.7.83". There are also fields for "Ticket#" and "Tech Notes" with "Update" and "Clear" buttons.

CAMERA VIEW MONITOR PAGE

Note: Override has been updated to stop streams for Media, 511, and Mobile App, but not for First Responders.

Basic camera information, such as the IP address and website status will also be displayed for the selected camera. Click the **View Status Log Entries** link to view Up/Down status activity for the selected camera (displayed in the image at the bottom of this page). Click the **Turn ON** button to override the stream on the Media Page, 511, and Mobile App. The website status will change to Overridden. Camera streams with Override turned on will not be available on the Media Page, 511, and Mobile App, but will remain available on the First Responders Page.

The screenshot shows a web interface for monitoring cameras. At the top, there are navigation options: 'Save As Default', 'Watch', and 'System Config'. A search bar is present. The main area is a grid of camera feeds. One feed, BR-CAM-004, is selected and shown in a larger window. This window displays a live video feed of a highway interchange. Below the video, the camera ID 'BR-CAM-004' and location 'I-10/I-12 Split 1 PTZ' are shown. A status box indicates 'Wowza: UP 11/4/2016 7:48:27 PM', 'Website Status: UP', 'Override Status: OFF', and a 'Turn ON' button. A link for 'View Status Log Entries' is also visible. Below this, there are input fields for 'Ticket#' and 'Tech Notes', along with 'Update' and 'Clear' buttons.

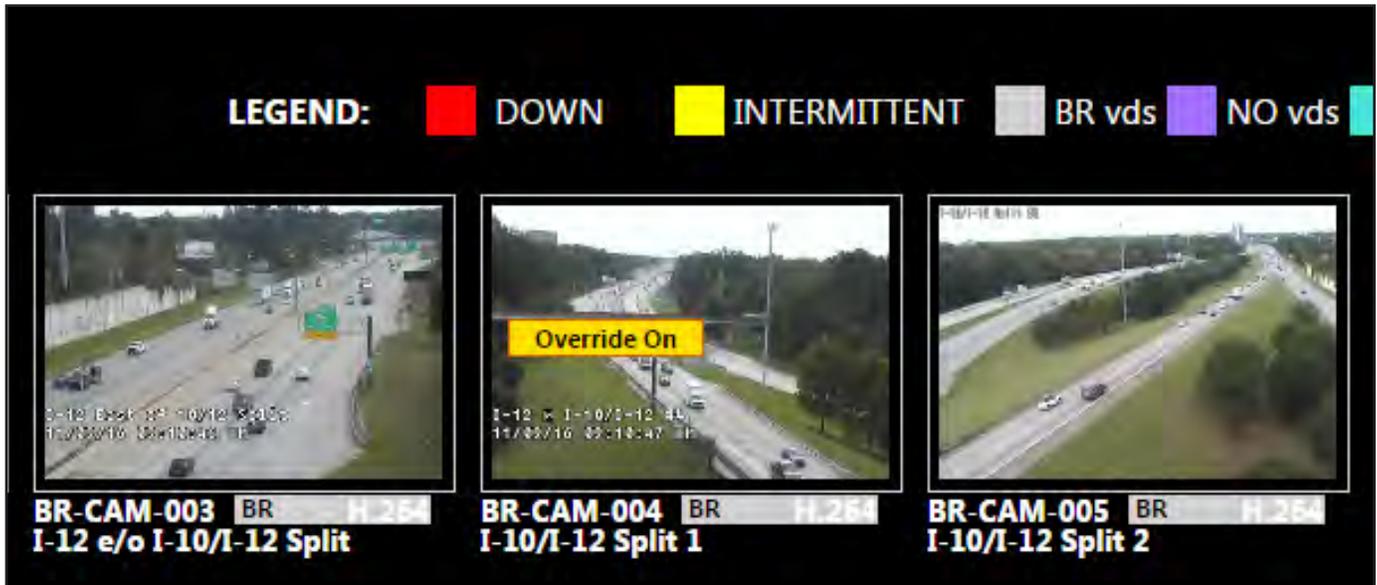
Up to last 2000 records - Click column headers to sort

I-10/I-12 Split 1 PTZ - BR-CAM-004

Stream	Status	Recorded	Minutes In This State
BR-CAM-004	Up	11/4/2016 7:48:27 PM	6565 and counting
BR-CAM-004	Down	11/4/2016 7:47:42 PM	1
BR-CAM-004	Up	10/19/2016 7:40:17 AM	23767
BR-CAM-004	Down	10/18/2016 9:33:41 PM	607
BR-CAM-004	Up	10/18/2016 7:57:13 AM	816
BR-CAM-004	Down	10/17/2016 6:37:32 PM	800
BR-CAM-004	Up	10/11/2016 3:07:31 PM	8850
BR-CAM-004	Down	10/11/2016 9:28:38 AM	339

CAMERA VIEW MONITOR PAGE

In the main view, an "Override On" caption will be displayed on top of any camera stream with override turned on.



CAMERA VIEW MONITOR PAGE

To change the Override, select the camera and click the **Turn ON/OFF** button.

To ensure the override is turned on/off properly, the system now displays an indicator icon, as shown in the image below (top center), while the override is either being turned off or turned on. During this waiting period, you are not able to relick the Turn ON/OFF button or select another camera until the override has finished. In case of an error, you will be notified with an alert window.

The screenshot displays the Camera View Monitor Page interface. At the top, navigation tabs include New Orleans, Houma, Shreveport, Lafayette, North Shore, Lake Charles, Monroe, Alexandria, and All By Area. A 'Generate Report' button is visible on the right. Below the navigation, there are 'Watch' and 'System Config' options, along with a search bar.

The main area shows a grid of camera feeds. The selected camera, BR-CAM-004, is shown in a larger view. The camera view shows a highway interchange with the text 'I-12 @ I-10/I-12 #4' and '11/09/16 09:12:12 AM' overlaid. Below the camera view, the camera ID 'BR-CAM-004' and the name 'I-10/I-12 Split 1 PTZ' are displayed.

Technical information for the selected camera is shown below the camera view:

- Wowza: UP 1/20/2016 12:03:41 PM
- Website Status: UP
- Override Status: OFF
- Field Equipment: http://10.91.7.83
- View Status Log Entries

There are also input fields for 'Ticket#' and 'Tech Notes', with 'Update' and 'Clear' buttons below them.

CAMERA VIEW MONITOR PAGE

Additionally, reference notes can be entered for the camera. In the Ticket # field, enter the ticket number issued from the Maintenance Work Order system. Enter any notes in the Tech Notes field. Click the **Update** button to update the record. Once the ticket has been resolved, click the **Clear** button.

The screenshot displays a web-based camera monitoring interface. At the top left, there are tabs for 'Watch' and 'System Config', and a search bar. The main area is a grid of camera feeds. A central window titled 'Camera View Info' is open, showing a large video feed of a highway interchange. Below the video, the camera ID is 'BR-CAM-004' and the view is 'I-10/I-12 Split 1 PTZ'. The video timestamp is '11/09/16 09:02:21 AM'. Below the video, there is a status section with the following information: 'Wowza: UP 11/4/2016 7:48:27 PM', 'Website Status: UP', 'Override Status: OFF' with a 'Turn ON' button, and 'Field Equipment: http://10.91.7.83'. Below this is a 'View Status Log Entries' section. A red box highlights a form with two input fields: 'Ticket#' and 'Tech Notes', and two buttons: 'Update' and 'Clear'. The background grid shows various other camera feeds with labels like 'BR-CAM-002 I-12 at Essen Ln', 'BR-CAM-003 I-12 e/o I-10/I-12', 'BR-CAM-007 I-10 at College Dr', 'BR-CAM-008 I-10 at Acadian Thruway', 'BR-CAM-010 I-10 at Washington St', 'BR-CAM-011 I-10/I-110 Split', 'BR-CAM-015 I-10 at LA 1', 'BR-CAM-016 I-10 at LA 415', 'BR-CAM-018 I-110 at North 22nd St', 'BR-CAM-019 I-10 at Essen Ln', 'BR-CAM-023 I-12 n/o Airline Hwy', and 'BR-CAM-024 I-12 s/o Airline Hwy'.

CAMERA VIEW MONITOR PAGE

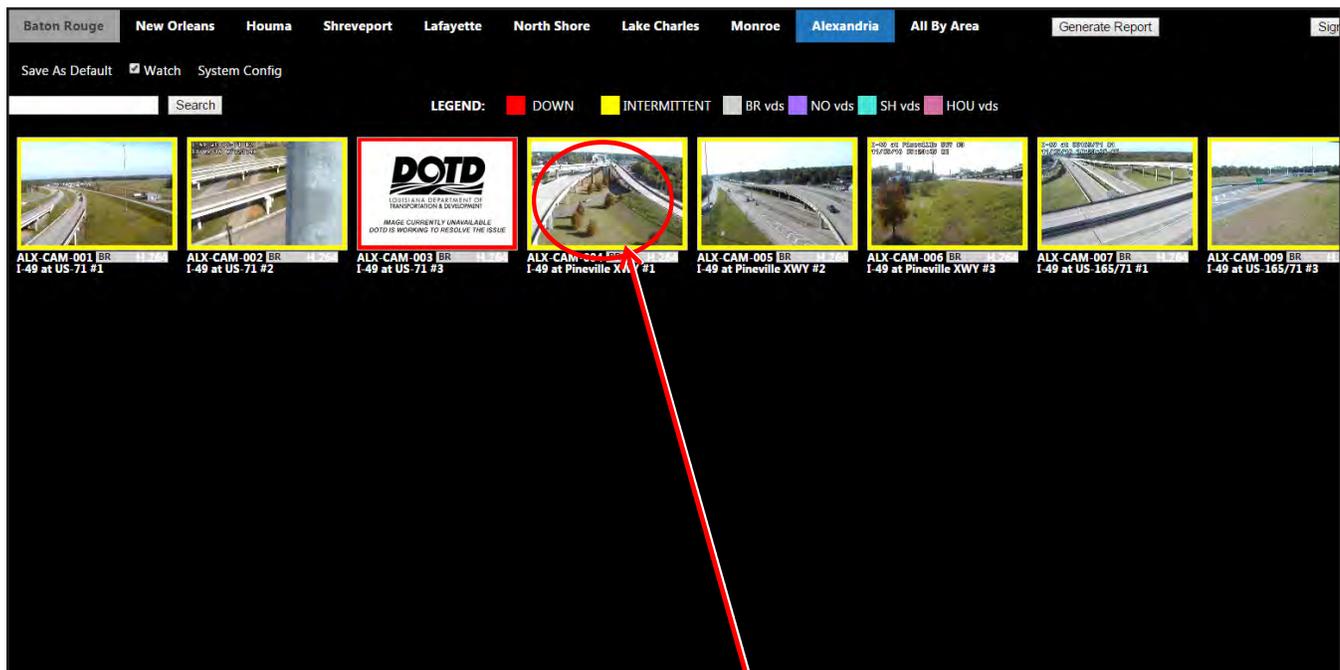
A Red border around a camera thumbnail image indicates that the stream is down. Possible scenarios could include bad encoder and network issues. Down cameras will display the LADOTD logo.

No video indicates that while the VDMS server is receiving a video stream, the camera or encoder is reporting that there is no video. A possible scenario is that the camera itself is no longer capturing any picture or that it is out of service.



CAMERA VIEW MONITOR PAGE

A Yellow border around a camera thumbnail indicates that the frequency of connectivity issues have exceeded a pre-configured number within a pre-configured length of time to flag camera streams with repetitive issues. If no issues have been detected beyond the pre-configured time period, the yellow border will automatically turn off. The trigger frequency as well as the time period is configurable by the administrator.



CAMERA VIEW MONITOR PAGE

To navigate to the Watch page, check the box next to Watch at the top left of the Video Management Page. Click each tab to show all of the down video streams as well as any video streams with intermittent data loss or connection issues for the selected region. Uncheck the box next to Watch to return to the main view with all cameras displayed.

The screenshot displays the 'Camera View Monitor Page' interface. At the top, there are navigation tabs for various regions: Baton Rouge, New Orleans, Houma, Shreveport, Lafayette, North Shore, Lake Charles, Monroe, Alexandria (highlighted in blue), and All By Area. A 'Generate Report' button is located on the far right. Below the tabs, there is a 'Save As Default' option and a 'Watch' checkbox, which is checked and highlighted with a red arrow. A 'System Config' link is also present. A search bar is located below the 'Watch' checkbox. A legend is provided, showing color-coded boxes for 'DOWN' (red), 'INTERMITTENT' (yellow), 'BR vds' (grey), 'NO vds' (purple), 'SH vds' (teal), and 'HOU vds' (pink). The main area displays seven camera view thumbnails. The first thumbnail (ALX-CAM-001) shows a highway interchange. The second (ALX-CAM-002) shows a highway interchange. The third (ALX-CAM-003) is a red box with the DOTD logo and the text 'IMAGE CURRENTLY UNAVAILABLE DOTD IS WORKING TO RESOLVE THE ISSUE'. The fourth (ALX-CAM-004) shows a highway interchange. The fifth (ALX-CAM-005) shows a highway interchange. The sixth (ALX-CAM-006) shows a highway interchange. The seventh (ALX-CAM-007) shows a highway interchange. Each thumbnail has a label below it indicating the camera ID and location.



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