

# Oregon Department of Transportation

## Digital Video Log How To/Tips/Tricks

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Note: press control and click on titles above to instantly scroll to desired section.

### Background

The Digital Video Log (the Log) is a pictorial record of state highway features from a driver's perspective. The Log consists of digital images taken every hundredth of a mile. The Log proceeds from mile point zero to the end of the highway. You can reverse the direction (end of highway to mile point zero) with the Increasing Mile Points and Decreasing Mile Points radio buttons. By using these two radio buttons you can view the highway in both directions of travel.

Most of the highways were driven in the right lane with a single camera mounted in the center of the vehicle. The shoulders and side conditions of the road are visible, though the perspective may be skewed a bit. Most people find they can get information about road conditions, shoulder width, etc. from the log.

### How to Use the Digital Video Log

1) From the DVL home page:

[\(https://keiko.odot.state.or.us/whalecome324431c3ee61b8fa2602f107a5be6eff7c305ad0fffb1654e/whalecom0/cf/dvl/\)](https://keiko.odot.state.or.us/whalecome324431c3ee61b8fa2602f107a5be6eff7c305ad0fffb1654e/whalecom0/cf/dvl/)

Click on, "Click Here to Begin" to activate the Digital Video Log.

2) Choose from the following options on the next screen. Keep in mind that the default settings are the most commonly used. **Most people will only need to adjust the Highway Number, Season, and Starting Milepoint** to view the images they need.

*1. Highway* – The highways are listed by the official ODOT highway number (not the route number found on maps). Choose any available highway from the drop down menu.

To find the official ODOT Highway Number Use the State Highway Cross Reference:

[http://www.oregon.gov/ODOT/TD/TDATA/otms/Route\\_Hwy\\_CrossRef.shtml](http://www.oregon.gov/ODOT/TD/TDATA/otms/Route_Hwy_CrossRef.shtml)

The list of available highways is based on the criteria selected in the fields 2, 3 and 4. For example, if you uncheck Highways and check Frontage Roads in the Road Type Field, the highway list will only contain Frontage Roads.

*2. Road Type* – Accept the default – Highways.

*3. Mileage Type* – This is an internal code and is of no use or concern to the lay user. Accept the defaults.

*4. Season* – The Digital Video Log will automatically default to the most current images for your chosen highway, and will list other available years in the Season pull down list. You can view images from previous seasons by choosing a different year from the Season pull down list. DVL seasons run from May 1 – April 30 each year. Approximately one half of the state highway system is taped annually.

*5. Starting Milepoint* – This will default to the beginning milepoint for the chosen highway and year, but you may choose a different starting milepoint from the pull down list, or enter a milepoint in the entry field. East-West roads “begin” (mile point zero) in the West. North-South roads “begin” in the North. I-5 is an exception. It “begins” at the California border.

*6. Direction* – The Log is taped in both traffic directions, so images may be viewed in either Increasing or Decreasing Milepoint direction. The increasing milepoint is the default direction. The Log proceeds from mile point zero to the end of the highway. You can reverse the direction (end of highway to mile point zero) with the Increasing Mile Points and Decreasing Mile Points radio buttons. By using these two radio buttons you can view the highway in both directions of travel.

3) Choose one of the following to start viewing images:

*Display Image button* – This will display the images on the same screen as the milepoint log for the highway, and will allow the user to scroll through images one at a time. (See below for further information about how to use this feature.)

*Play Images button* – Allows you to play the images of your selected highway consecutively. (See below for further information about how to use this feature.)

*Reset* – Resets all fields on the page back to the default settings.

## How to Use Display Image

Once the video image is displayed, you can move through the images one at a time by clicking the <<< (Previous Image) or >>> (Next Image) buttons below the image. The size of the image can be increased by clicking on the image.

Select New Highway - Goes back to highway selection screen where you can choose a different highway or change options for the same highway (such as choose a different year).

Increment: The images will change by increments of 0.01 mile by default, but you can change the Increment Amount. For example, entering 10 in the increment box will change the frame by 0.10 mile and 100 will change the frame by 1.00 mile.

Increasing/Decreasing: You can choose to view the highway in either increasing (Eastbound or Southbound, except I-5) or decreasing direction (Westbound or Northbound, except I-5) by clicking the appropriate direction button.

<<< – Moves to the previous image by increment amount

>>> – Moves to the next image by increment amount

Play Images – Goes to the Play Image tool where the images are played automatically.

Home – Returns to the DVL home page

Milepoint Log – The milepoint log that corresponds to the year of the images is displayed at the bottom of the screen. You can scroll through the log to look for a particular feature, like a City's name or a side street. You can jump directly to the image of a specific milepoint by clicking the shaded milepoint button in the milepoint log below the image. See below for more detailed instructions for reading the milepoint log.

## How to Use Play Images

Use this feature to play images of the selected highway consecutively. This works much like a VCR, with play, pause and rewind.

Increment: The images will change by increments of 0.03 mile by default, but you can change the Increment Amount. For example, entering 10 in the increment box will change the frame by 0.10 mile and 100 will change the frame by 1.00 mile. To change the increment amount, select a new increment from the pull down list.

Select New Highway - Goes back to highway selection screen where you can choose a different highway or change options for the same highway (such as choose a different year).

||<<< – Jumps to the beginning of the highway. You will need to select Play or Rewind after clicking on this choice.

|<<< – Jumps to the start of the currently selected images (+/- 2 miles of the requested milepoint) You will need to select Play or Rewind after clicking on this choice.

Rewind – Plays images backwards

Pause – Pause playing of images

Play – Plays images forward

>>> – Jumps to the end of the currently selected images (+/- 2 miles of the requested milepoint). You will need to select Play or Rewind after clicking on this choice.

>>>| – Reposition to the end of the highway. You will need to select Play or Rewind after clicking on this choice.

Single Image – Goes to the Display Image page

Home – Goes to the DVL home page

Increase / Decrease MP – Click on selection – then click on Play or Rewind

Starting MP – Click on selection – then click on Play or Rewind

Increment – Changes increment between each image.

Play Speed – The default play speed is 1 image every 1 second. You can choose between .25 – 5 seconds / image.

Highway Log - Clicking on the Highway Log button will open up a new window with a corresponding milepoint log. You can scroll through the log to look for a particular feature, and jump directly to the image of a specific milepoint by clicking the shaded milepoint button in the milepoint log. After clicking on a milepoint, minimize the milepoint log window to uncover the Play Images screen.

### Reading the Milepoint Log:

Roadside features on the state highway system change regularly. With this in mind, the DVL displays the milepoint log that matches the year the pictures were taken.

The Milepoint log displays the following information for each milepoint:

Rdwy ID (Roadway ID) - This number identifies the alignment on which this milepoint exists. Rdwy ID 1 is the increasing mileage direction for traffic and Rdwy ID 2, the decreasing mileage traffic direction. The exception being Hwy. 001 (I-5), on which Rdwy 1 (southbound) is the decreasing mileage direction. *Don't even pay attention to this feature. It's an internal coding system of no consequence to the lay user.*

Mlge Type (Mileage Type) - Z = overlapping, Y = Spur, T = Temporary *Don't even pay attention to this feature. It's an internal coding system of no consequence to the lay user.*

Ovlap Cd (Overlap Code) – Used with 'Z' mileage only. The milepoint overlapping code indicates the sequential order in which 'Z' mileage was added to a highway. *See comment under Mlge Type above.*

Milepoint - A number that represents the distance in miles from the original beginning of the highway. This distance, measured along the contours of the traveled roadway, is derived from construction plans and field inventory.

Dup (Duplicate) – A number of 10, 20, etc. in this column indicates multiple features at the same milepoint and engineering station.

Roadway Codes – These codes indicate the direction (left or right) and jurisdiction of intersecting roads, culverts, structures, boundaries, etc. *(The codes have been omitted from these instructions for brevity.)*

### Update Cycles

Approximately one half of the state highway system is taped annually, with emphasis on Interstate and US Routes. The annual Video Log seasons run from May 1 to April 30.

The highway milepoint log report is a snapshot of data from the Integrated Transportation Information System (ITIS) database. A yearly snapshot is taken at the beginning of the taping season in May.

### Printing

- To print the whole page as seen on your computer screen including the menu, image and beginning of the milepoint log on one page – change to landscape mode under File/Print/Preferences. Then choose "As laid out on screen" under Options/Print Frames/OK

- To print just the menu, the image or the milepoint log alone – first click in the section you want, then click File/Print/"Only the selected frame" under Options/Print Frames/Print.
- To print everything, but each on a different page – click on File/Print/"All frames individually" under Options/Print Frames/OK.
- To print only a selected portion of the milepoint log – Highlight the section of the milepoint log wanted, click on File/Print/Change from "All" to "Selection" under Print Range/OK.

### Saving an Image

- Right click on the image.
- Click on "Save Picture as"
- Go to the drive/folder you want the image saved in
- Name the file
- Choose to save it as a .jpg file
- Click save

To view the .jpg file, either double click on the file name, or open the file from within Microsoft Photo Editor.