

OTIS

ONLINE TRANSPORTATION INFORMATION SYSTEM



NEWSLETTER October 31, 2013

Geographic Data Updates

The following data sets have been updated, added, or removed from OTIS MapView:

Roadway

- **Highways** – Effective as of December 31, 2012, except for the NHS, Functional Class, and Region data fields which are effective as of July 1, 2013.
- **Ramps** – Effective as of December 31, 2012.
- **Frontage Roads** – Effective as of December 31, 2012.
- **Highways - Access Categories** – Effective as of December 31, 2012.
- **Highways - Functional Class** - Effective as of July 1, 2013.
- **Highways - Geometrics** - Effective as of December 31, 2012.
- **Highways – Good Fair Poor** - Effective as of December 31, 2012.
- **Highway Interchanges** - Effective as of December 31, 2012.
- **Milepoints** – Effective as of December 31, 2012.
- **Structures/Bridges** – Updated September 2013.
- **Major Roads** – Effective as of December 31, 2012.
- **Local Roads** – Effective as of December 31, 2012.

Boundary

- **Maintenance Sections** – Effective as of July 1, 2013.

Miscellaneous

- **Outdoor Advertising** – Updated September 2013.

OTIS MapView - Help

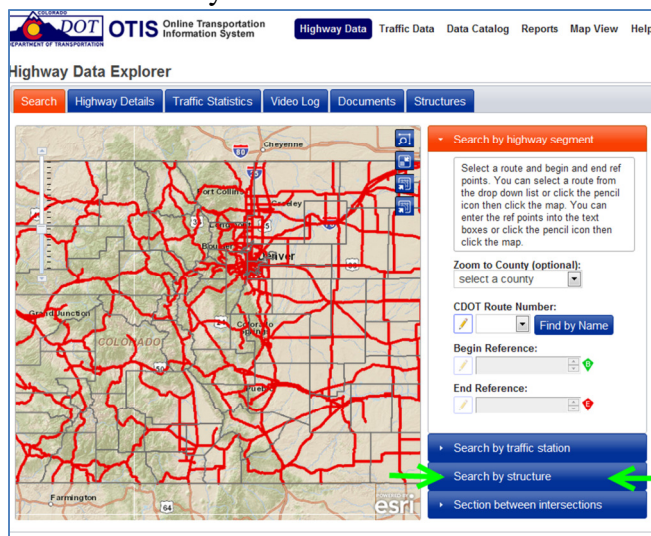
- A Help document is available in MapView. Just click on the Question-mark icon in the MapView toolbar.

***On October 8, 2013 the OTIS application was upgraded and enhanced with some new features. **You may need to clear your web browser's cookies & temporary files to see all the changes.**

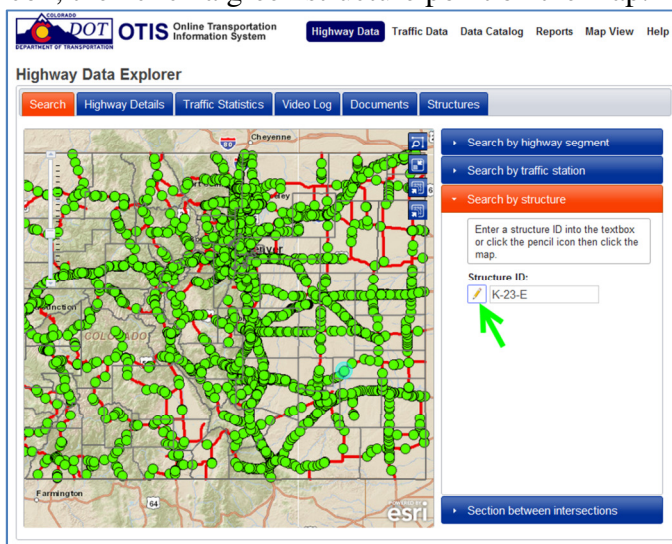
These upgrades/enhancements are described in the following pages...

Enhancement #1: Search by Structure

- In Highway Data Explorer, a new “Search by structure” tab is now available.



- This tool works in two ways:
 1. Enter a valid **on-system major** structure ID in the Structure ID text box. Examples of valid IDs include: D-09-AE, K-18-CK
 2. Or, click the pencil icon, then click a green structure point on the map.



- Once a structure is selected, the various top tabs (Highway Details, Video Log, Structures, etc.) will reference that structure’s location on the highway.

Enhancement #2: Description of Highway Segments in Highway Data Explorer

- In Highway Data Explorer,
 - Highway Details tab.
 - A new “Description” table can now be opened

Highway Data Explorer

Search Highway Details Traffic Statistics Video Log Documents Structures

Click the headings below to view results.

Highway 015B between 20.398 and 22 [Create Straight Line Diagram](#)

Description [Export to Excel](#)

Route	Begin Ref	End Ref	Length	Description
015B	20.398	21	0.487	RD N (CO RD 9) END OVERLAPPING NON-CHARGEABLE SECTION -- BEGIN SH015B
015B	21	22	1.134	MILEPOST 21
015B	22	22.484	0.444	MILEPOST 22

+ Pavement Primary Direction
 + Pavement Secondary Direction
 + Speed Limit

- When the table is opened, the Description column describes what is encountered at the beginning of that particular highway segment.

Enhancement #3: Surface Width Calculation

- In Highway Data Explorer,
 - Highway Details tab,
 - Geometrics 1 table.
 - A new column "Surface Width" now provides pavement width data in feet

Highway Data Explorer

Search Highway Details Traffic Statistics Video Log Documents Structures

Click the headings below to view results.

Highway 015B between 20.398 and 22 [Create Straight Line Diagram](#)

+ Description
 + Pavement Primary Direction
 + Pavement Secondary Direction
 + Speed Limit
 + Toll / HOV
 + System Classification
 + Route Classification
 + Jurisdiction Classification
 + CDOT Classification
 - Geometrics 1 [Export to Excel](#)

Route	Begin Ref	End Ref	Length	Thr Ln Qty	Thr Ln Wd	Is Divided	Operation	Surface Width
015B	20.398	26.562	6.089	2	11	No	Two-Way	28

- The Export to Excel button for the Geometrics 1 table provides even more detailed information used for surface width and square yardage calculations.

Enhancement #4: Mile Markers location information

- In Highway Data Explorer
 - Highway Details tab
 - Mile Markers table.
 - Columns are provided for mile marker number, length (distance) to next mile marker, UTM coordinates, and Lat/Long Decimal Degree coordinates.

✦ Geometrics 1						
✦ Geometrics 2						
✦ Geometrics 3						
✦ Geometrics 4						
- Mile Markers						
Export to Excel						
Route	Mile Marker	Length	UTM X	UTM Y	Longitude	Latitude
002B	11	0.159	505853.97	4406375.66	-104.93161	39.80733
002B	12	0.994	505879.19	4406630.96	-104.93131	39.80963
002B	13	1.162	506672.6	4407961.06	-104.92203	39.82161

Enhancement #5: Structures table

- In Highway Data Explorer
 - Structures tab, Structures table
 - The columns have been modified to provide On/Under, Structure Type, Sufficiency Rating, and GFP (Good-Fair-Poor) information

Highway Data Explorer

[Search](#)
[Highway Details](#)
[Traffic Statistics](#)
[Video Log](#)
[Documents](#)
[Structures](#)

Click the headings below to view results.

Highway 002B between 10.86 and 13.345

- Structures [Export to Excel](#)

Route	Ref	Strid	Dir	ClrminNE	ClrmaxNE	ClrminSW	ClrmaxSW	On / Under	Type	Sufficiency Rating	GFP	Location	Photo
002B	11.364	E-17-MU	1					On	CBGC	93.1	G	US 6 ML	Link

OTIS Support

If you are experiencing problems or have questions about OTIS MapView please contact Help Desk at 303-757-9317 (ext. 7-9317).