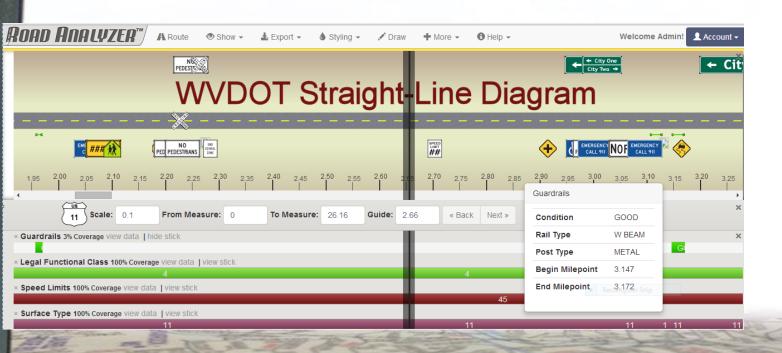
Visualizing Transportation Assets presented by Hussein S Elkhansa



Why a new SLD at WVDOT?

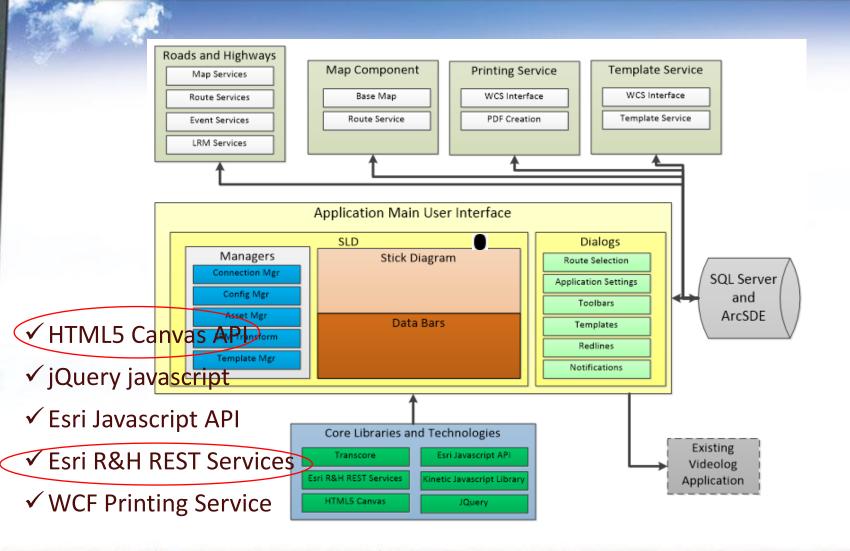
Project introduction

- Transition from a paper based SLD
- Replace Scalable Vector Graphics (SVG) with HTML5
- Take advantage of Roads and Highways services
- Become technology compatible agency-wide
- Apply a more sustainable technology set
- Integrate WVDOT VideoLog Viewer, iVision by Fugro
- Expand to mobile devices

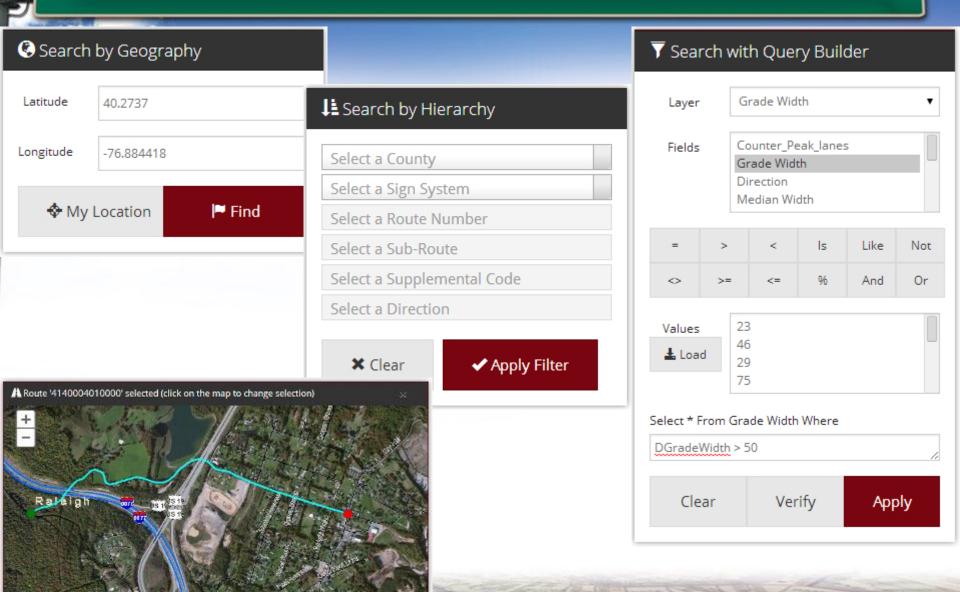
What is Road Analyzer

- Database driven, dynamic web-based interactive straight-line diagramming environment
- Tool for viewing roadway assets and events by:
 - √ Stick Diagram
 - ✓ Data Bars
 - ✓ Map
 - ✓ Dashboard
 - ✓ Drilldowns to Attribute Details
 - √ VideoLog

What were the technology changes?



Get started by Selecting a Route

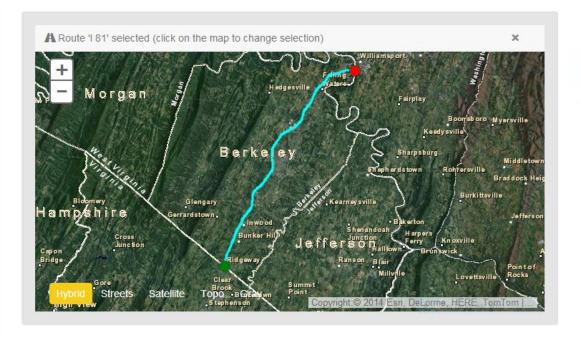


After Route Selection, launch SLD

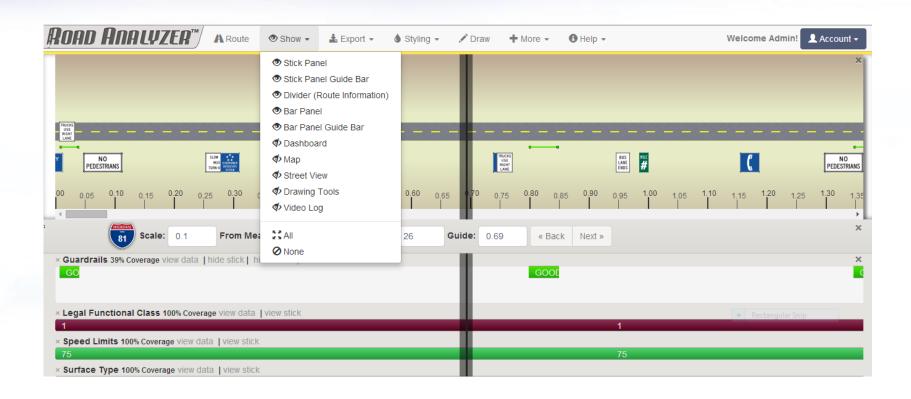


West Virginia Road Analyzer

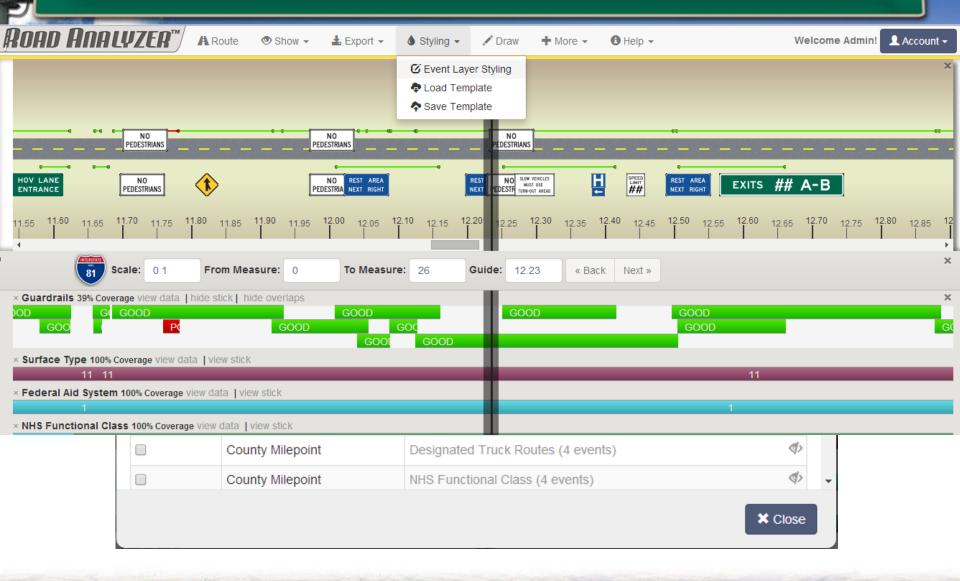
Berkeley	
Interstate	
0081	
00	
Not Applicable	
Northbound	
-	
★ Clear ute (total of 1)	Apply Filter
	Apply Filter
ute (total of 1)	Apply Filter To Measure



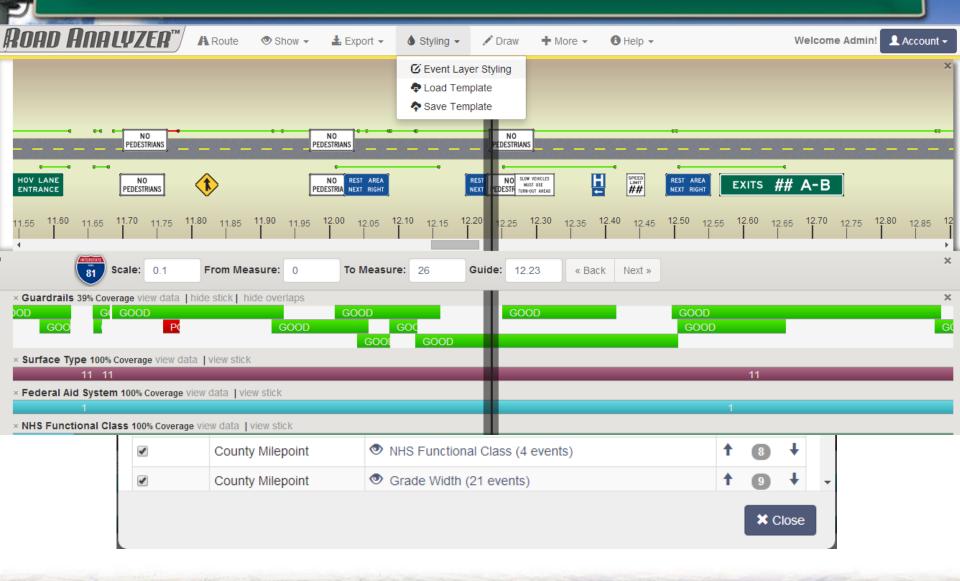
Get to know the User Interface



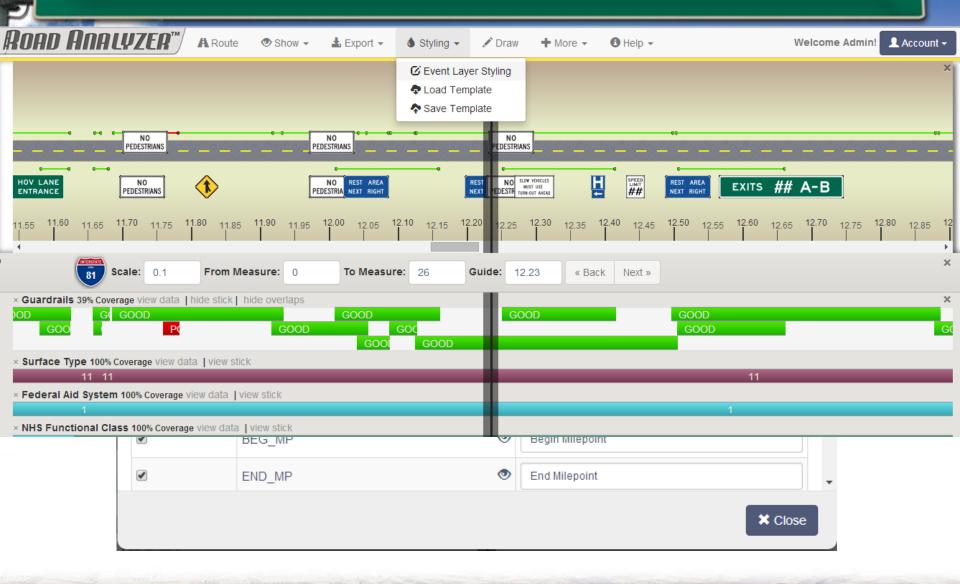
Event Layer Styling, Stick Visibility



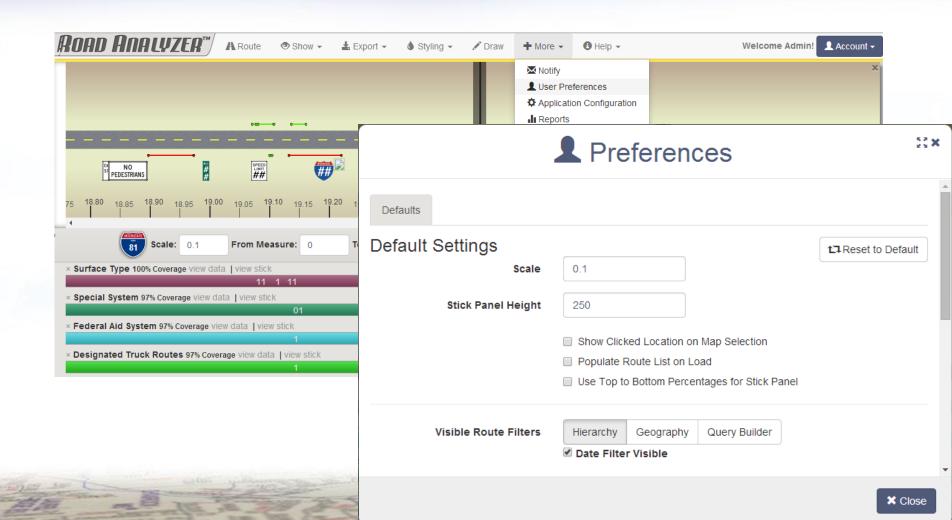
Event Layer Styling, Bar Visibility



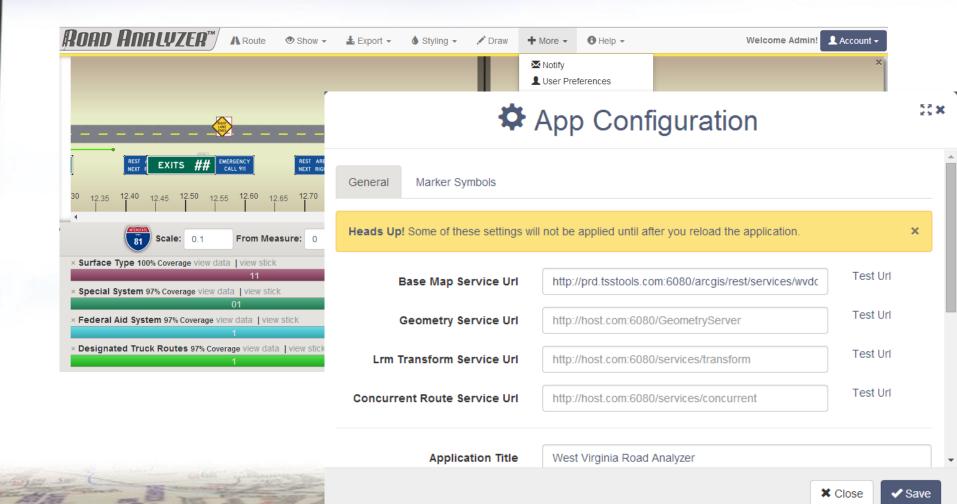
Event Layer Styling, Fields



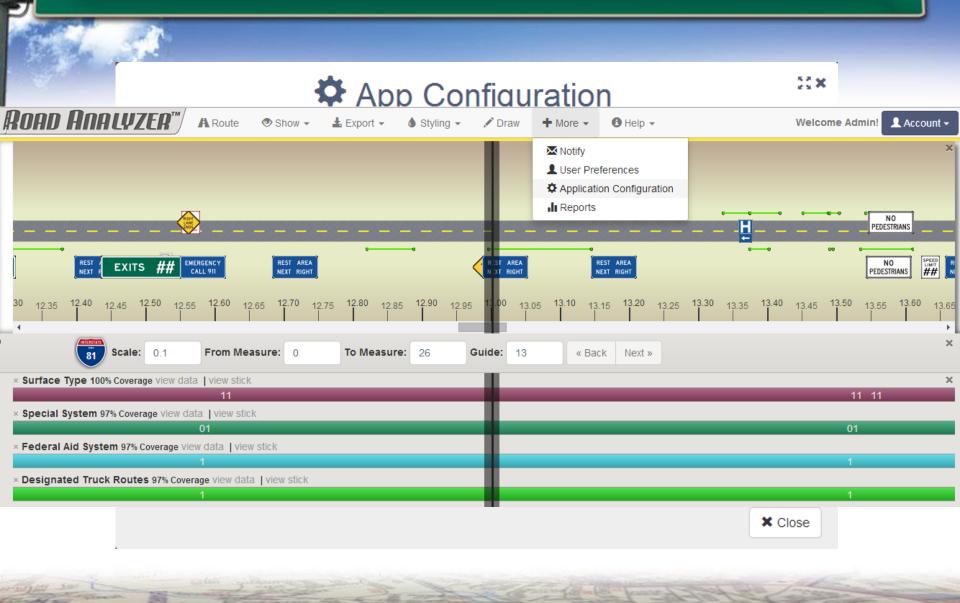
User Preferences, Default Settings



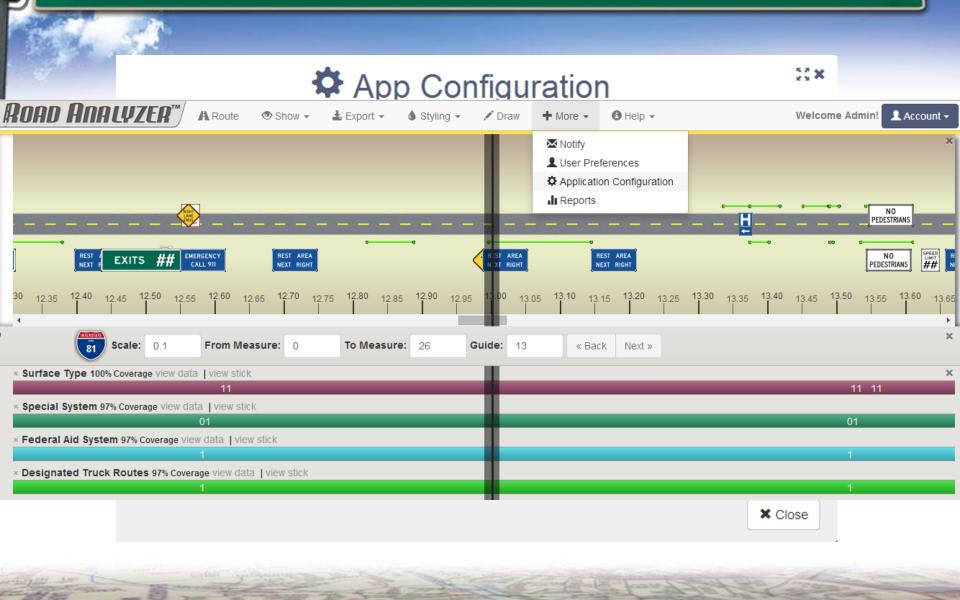
Application Configuration, General



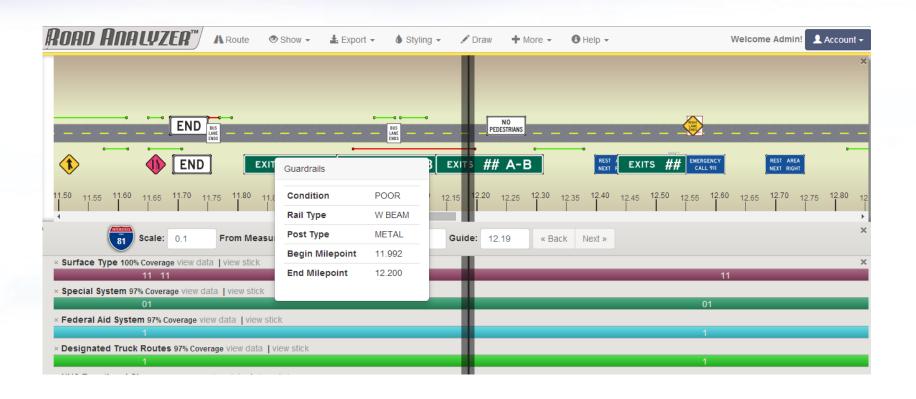
Application Configuration, Marker Symbols



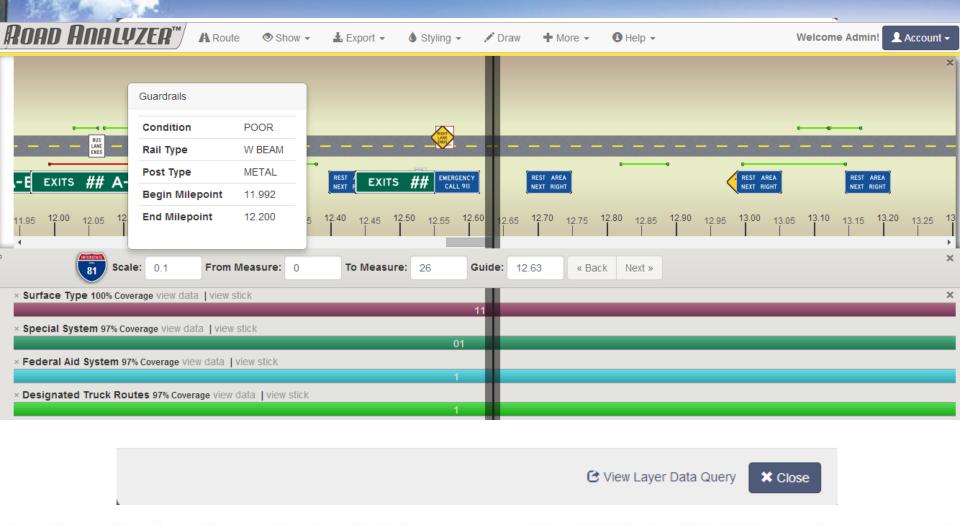
Application Configuration, Marker Symbols



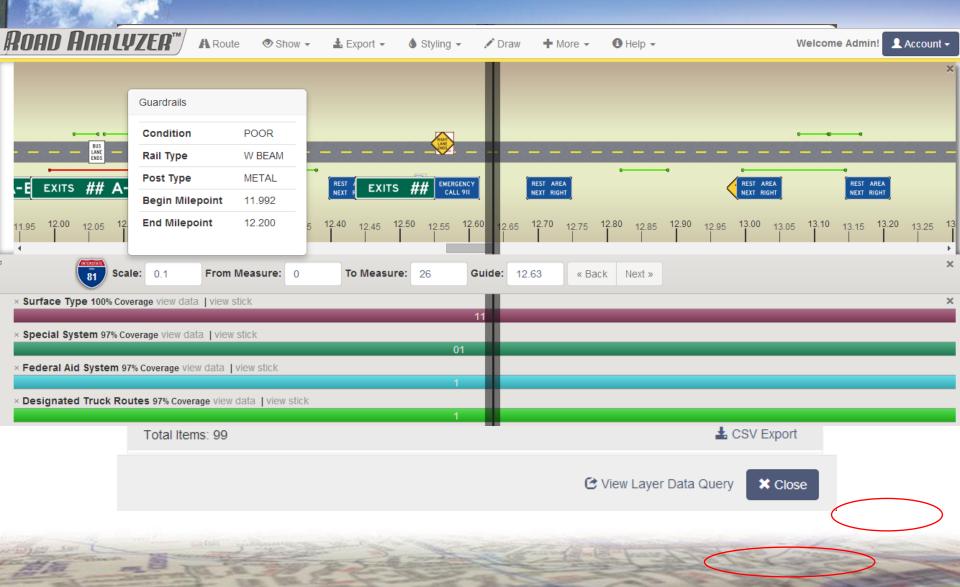
Event Layer Tooltips



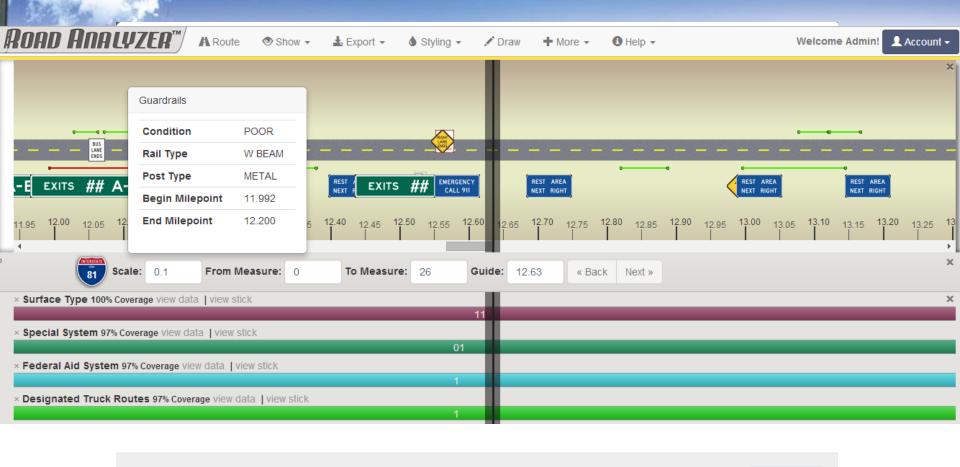
Drilldown, Layer Details



Drilldown, Layer Feature Grid



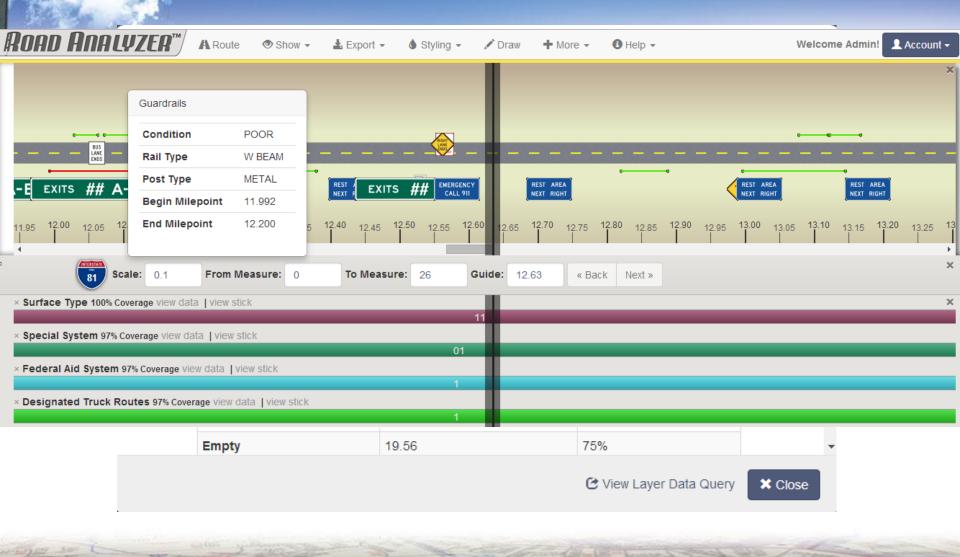
Drilldown, Layer Statistics



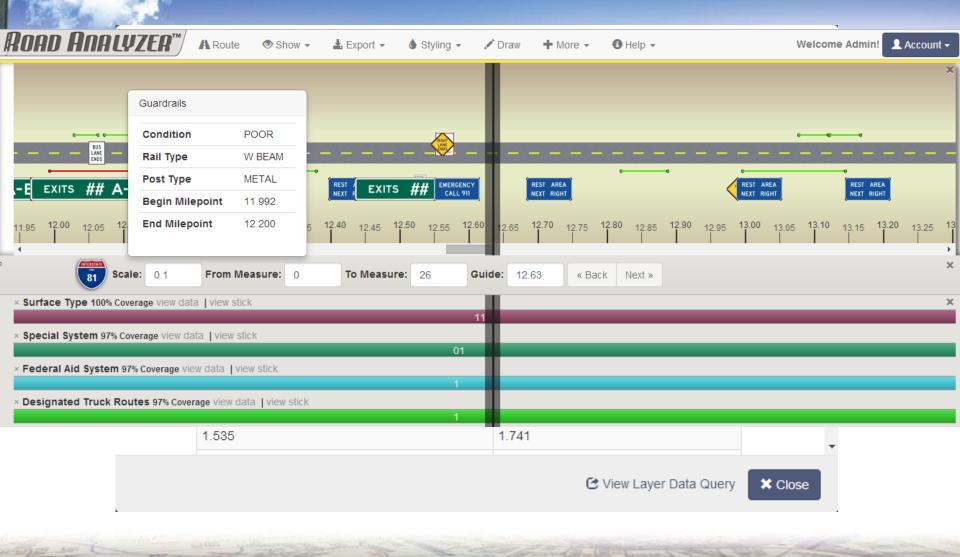
C View Layer Data Query



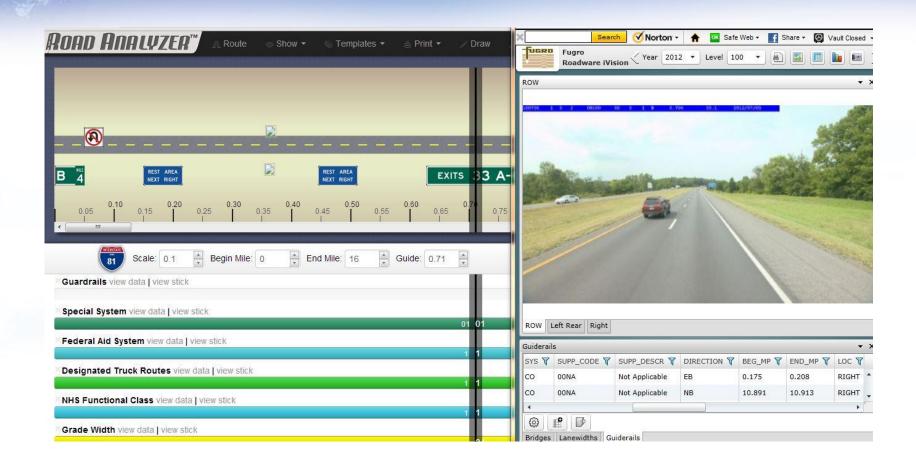
Drilldown, Layer Categories



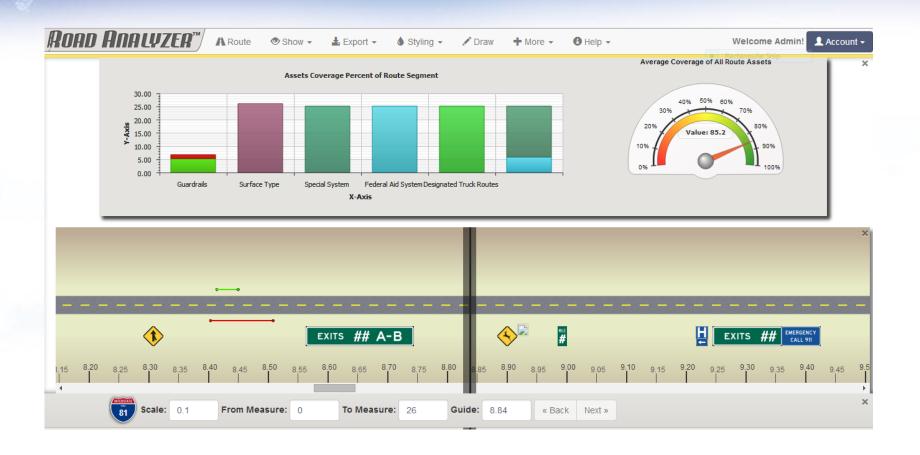
Drilldown, Layer Coverage



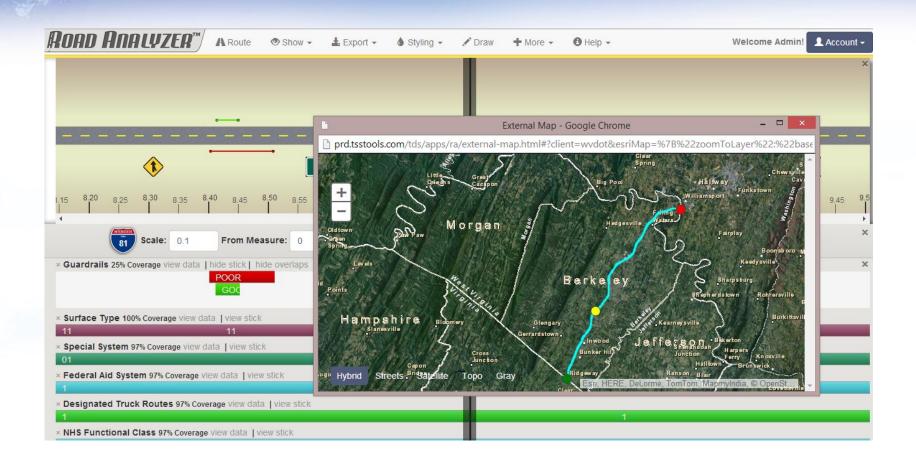
Integrated VideoLog, iVision



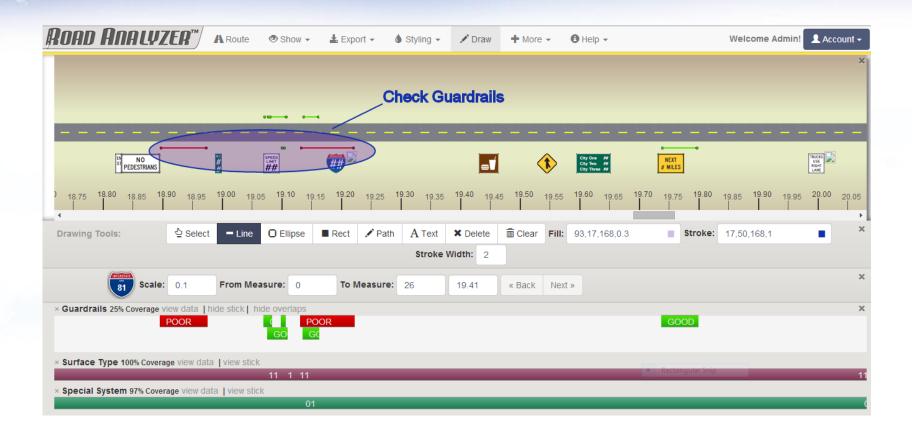
Dashboard



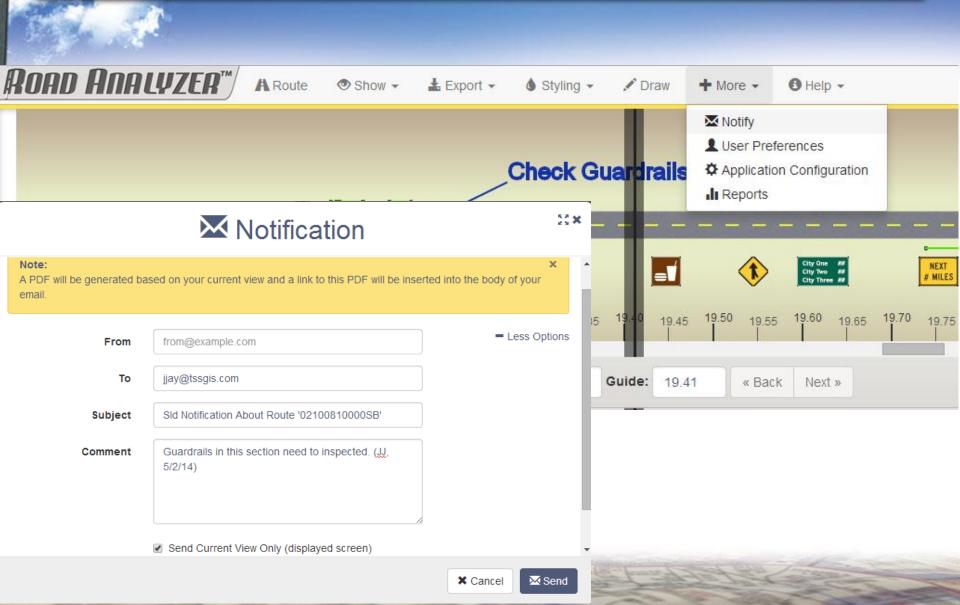
Integrated or Pop-out Map



Drawing or Annotation Tools



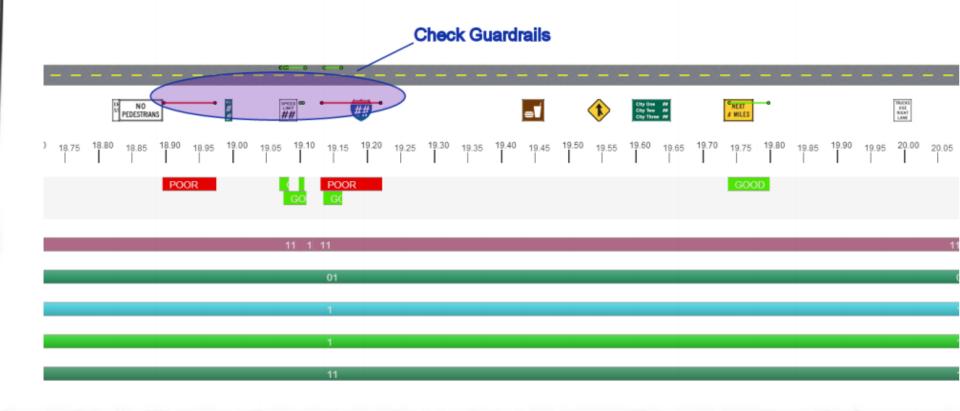
Notify Tool



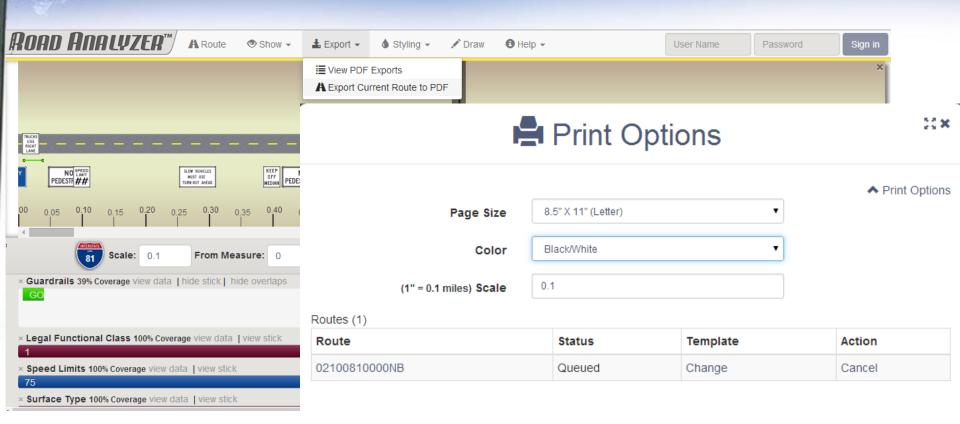
Resulting Notification



Route: 02100810000SB from MP 0 to MP 26



Export to PDF - Printing





PDF Output



Route: 02100810000NB from MP 0 to MP 26

