Intersection Crash Diagram Website Guidance

Web address: http://intersectioncrashdiagram.sd.gov

Layout

The left side of the page has panels for setting filters, layers and basemaps and the right side is the map for displaying intersections and crashes. Diagrams are generated after selecting one or more intersection(s).

Search Section

Hover over question marks to see tips about the different filter criteria that can be applied to crashes

If the crash layer is enabled, use the Filter button to see the effect of the dates and/or checkboxes

Set a buffer around an intersection. 100 feet is the default

Select intersection(s) by drawing a rectangle or a polygon. Clear Selection will unselect intersections.

The Export to PDF button creates a PDF with the crash diagram. The Export to Text button creates a text file listing all the crashes selected.

Layers section

| Search |
| Layers |
| ☑ Intersections |
| ☐ Crashes |
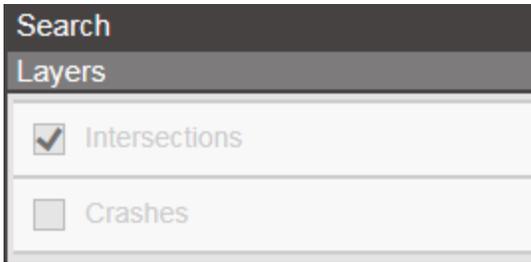
When the page loads both layer options are disabled and the intersection layer is selected by default

| Layers |
| ☑ Intersections |
| ☐ Crashes |

Zoom in on the map to enable checkbox for the Intersections layer

| Search |
| Layers |
| ☑ Intersections |
| ☐ Crashes |
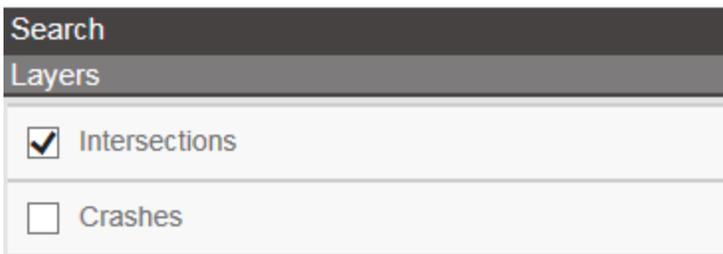
Zoom in further to enable the Crashes layer checkbox. It is unselected by default as there is multiple years of crash data

Basemap section

Basemap

Imagery

Imagery with Labels

Streets

Topographic

Dark Gray Canvas

Light Gray Canvas

National Geographic

Terrain with Labels

Oceans

OpenStreetMap

USA Topo Maps

USGS National Map
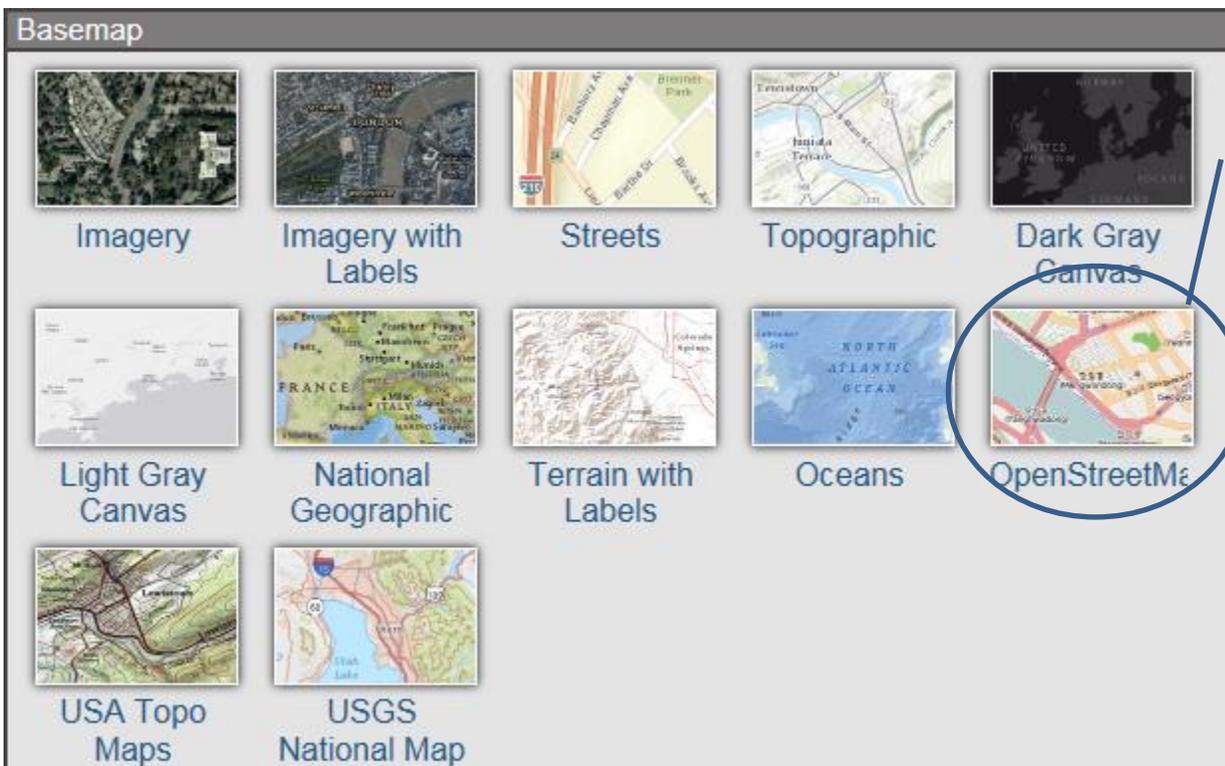
OpenStreetMap is the default basemap. You can change it to whatever you prefer.

Creating crash diagrams

1. Use the Filters and Buffer Parameters section to set limits on the crashes to be displayed
2. Select intersection(s)
   a. By Rectangle
      i. Click on Rectangle button
      ii. Click and drag mouse to draw rectangle over one or more intersection dots
      iii. A red buffer should surround each dot after letting go of mouse button
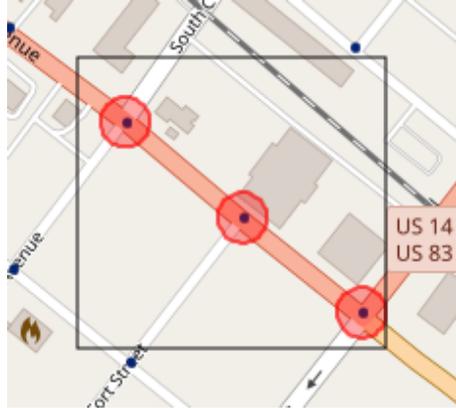
   b. By Polygon
      i. Click on Polygon button
      ii. Use mouse to click three or more points; lines will draw around one or more intersection dots and a gray field will show the proposed shape of the polygon
      iii. Double-click to complete the polygon
      iv. A red buffer should surround each dot
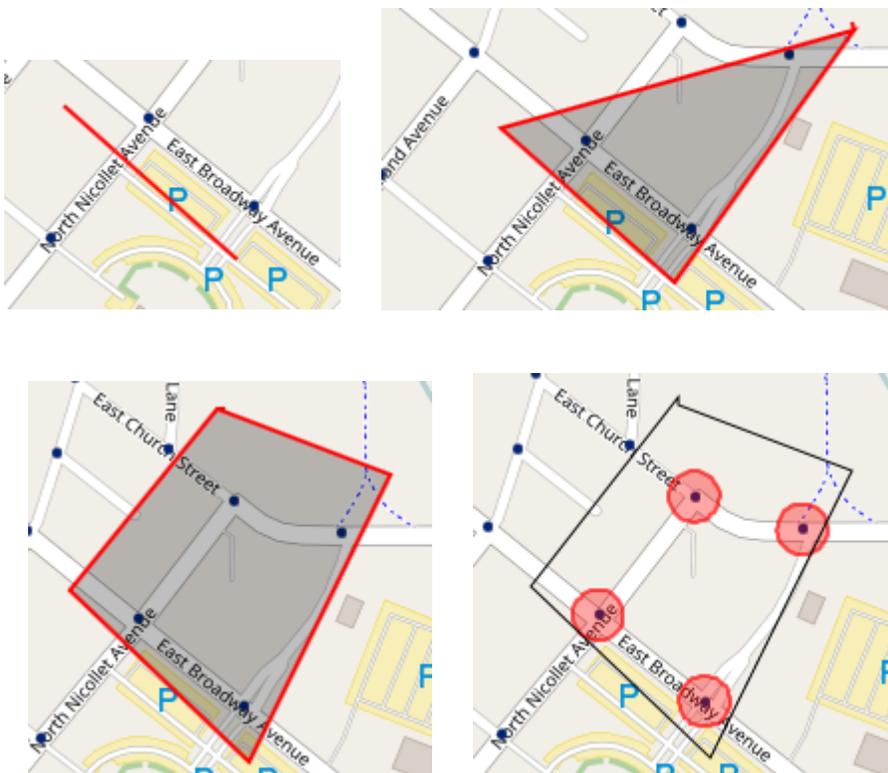
3. Click the Export button. Depending on the browser you are using and its settings, a prompt will appear asking where to download the PDF file or the PDF file will automatically download. If you are using a Mac computer and the Safari browser, it will display the diagram, but not in PDF format.