UDOT Crash Database - Numetric

udot.numetric.com (requires account)
crashmapping.utah.gov (public access)

**Severity: Serious Injury**

**CRASH SUMMARY**
- Crash ID: 10763667
- Route: 0084P
- Milepoint: 86.1
- Location: I-84, 1 Tenth(s) of a Mile E of Ref. Post 86, 7392 Feet W of EXIT 87 STRUCTURE
- County: DAVIS
- Date: Mar 06, 2016
- Time: 1:00 PM
- Vehicles Involved: 1
- Manner Collision: Single Vehicle

**CRASH ATTRIBUTES**
- Roadway Departure, Drowsy Driving, Interstate Highway, Collision with Fixed Object
- POTENTIAL COUNTERMEASURES:
  - Countermeasure: Shoulder Barrier, Countermeasure: Shoulder Rumblestrips, Countermeasure: Median Barrier, Countermeasure: Clear Zone Improvements, Countermeasure: Shoulder Widening

**VEHICLE 1 DETAIL**
- Vehicle Maneuver: Straight Ahead
- Estimated Travel Speed: 65 MPH
- Vehicle Contributing Circumstances: None
- Travel Direction: EB
- MV Body Type: Passenger Car (4 door)
- Traffic Control Device: None
- Events: Ran Off Road Left, Ditch
UDOT Crash Prediction Model

• **Compare**
  – crash rates for similar highway segments

• **Rank**
  – observed crashes vs “expected” crashes

• **Prioritize**
  – projects on higher risk segments

This data is protected under 23 USC 409. Source: UDOT, Jan 1, 2010 through April 30, 2016.
Weber & Davis County Fatal & Serious Injury Crashes 2013-2015
Salt Lake & Tooele County Fatal & Serious Injury Crashes 2013-2015

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WFRC Safety Report - June 2016
Box Elder & Morgan County Fatal & Serious Injury Crashes 2013-2015

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WFRC Safety Report - June 2016
Utah Annual Traffic Fatalities

Traffic fatalities down 26%

Traffic Fatalities

<table>
<thead>
<tr>
<th>Year</th>
<th>Fatalities</th>
</tr>
</thead>
<tbody>
<tr>
<td>2000</td>
<td>373</td>
</tr>
<tr>
<td>2001</td>
<td>292</td>
</tr>
<tr>
<td>2002</td>
<td>329</td>
</tr>
<tr>
<td>2003</td>
<td>309</td>
</tr>
<tr>
<td>2004</td>
<td>296</td>
</tr>
<tr>
<td>2005</td>
<td>282</td>
</tr>
<tr>
<td>2006</td>
<td>287</td>
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<tr>
<td>2007</td>
<td>299</td>
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<tr>
<td>2008</td>
<td>276</td>
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<tr>
<td>2009</td>
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<tr>
<td>2010</td>
<td>253</td>
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<td>2011</td>
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<td>2012</td>
<td>217</td>
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<tr>
<td>2013</td>
<td>220</td>
</tr>
<tr>
<td>2014</td>
<td>256</td>
</tr>
<tr>
<td>2015</td>
<td>276</td>
</tr>
</tbody>
</table>

Utah Department of Public Safety/FARS

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WFRC Safety Report - June 2016
Utah Crash Rate

(crashes per 100,000,000 VMT)

This data is protected under 23 USC 409. Source: UDOT, Jan 1, 2010 through April 30, 2016.
Fatal & Serious Highway Injuries
Weber - Davis - Salt Lake – Tooele – Morgan – Box Elder

This data is protected under 23 USC 409. Source: UDOT, Jan 1, 2010 through April 30, 2016. WFRC Safety Report - June 2016

Serious Injury
Fatalities

WASATCH FRONT REGIONAL COUNCIL
Highway Fatalities 2015

- SALT LAKE: 74
- WEBER: 20
- BOX ELDER: 16
- TOOELE: 15
- DAVIS: 11
- MORGAN: 2

This data is protected under 23 USC 409. Source: UDOT, Jan 1, 2010 through April 30, 2016.
Pedestrian & Bicycle Fatalities

Pedestrians

- 2006: 29
- 2007: 32
- 2008: 34
- 2009: 20
- 2010: 28
- 2011: 32
- 2012: 31
- 2013: 30
- 2014: 37
- 2015: 47

Bicycles

- 2006: 10
- 2007: 6
- 2008: 4
- 2009: 5
- 2010: 7
- 2011: 5
- 2012: 3
- 2013: 6
- 2014: 9
- 2015: 5

This data is protected under 23 USC 409. Source: UDOT, Jan 1, 2010 through April 30, 2016.
Fatal & Serious Highway Injuries
Weber - Davis - Salt Lake

Risk Comparison by Vehicle Type

<table>
<thead>
<tr>
<th>Vehicle Type</th>
<th>Fatality x</th>
<th>Serious Injury x</th>
</tr>
</thead>
<tbody>
<tr>
<td>Motorcycle</td>
<td>10</td>
<td>8</td>
</tr>
<tr>
<td>Pedestrian</td>
<td>8</td>
<td></td>
</tr>
<tr>
<td>Bicycle</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Vehicle</td>
<td>1</td>
<td></td>
</tr>
</tbody>
</table>

This data is protected under 23 USC 409. Source: UDOT, Jan 1, 2010 through April 30, 2016.
Transit Related Fatalities

Utah Department of Public Safety/FARS

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WFRC Safety Report - June 2016
Buckle Up!

Risk Comparison Without Seatbelt

If you don’t wear your seat belt you are:
* 8 times more likely to be killed
* 4 times more likely to have a serious injury

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WFRC Safety Report - June 2016
# Top Five Behavior Changes to ZERO Fatalities

<table>
<thead>
<tr>
<th>Rank</th>
<th>Behavior</th>
<th>2015 Fatalities</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Buckle Up!</td>
<td>86</td>
<td>31%</td>
</tr>
<tr>
<td>2.</td>
<td>Drunk driving</td>
<td>75</td>
<td>27%</td>
</tr>
<tr>
<td>3.</td>
<td>Aggressive driving (speeding!)</td>
<td>64</td>
<td>23%</td>
</tr>
<tr>
<td>4.</td>
<td>Distractions* (cell phones!)</td>
<td>27</td>
<td>10%</td>
</tr>
<tr>
<td>5.</td>
<td>Drowsy driving*</td>
<td>14</td>
<td>5%</td>
</tr>
</tbody>
</table>

* under reported

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Kip Billings
kip@wfrc.org
801.363.4250

QUESTIONS?
Top 10 Broken Crossing Gate Locations

- 265 broken crossing gates in 2015