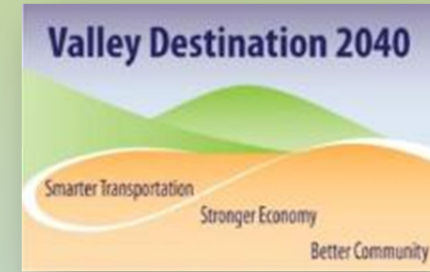


Valley Destination 2040

The Long Range Transportation Plan

for the

Lewis Clark Valley Metropolitan Planning Organization



Appendix 2: Existing Conditions Crash Analysis

Final Adopted
September 17, 2013



APPENDIX 2: EXISTING CONDITIONS CRASH ANALYSIS



As part of the development of the Lewis-Clark Valley MPO Long Range Transportation Plan regional crash data was collected for the years between 2008 and 2011. Safety is one of the eight MAP-21 planning factors and is one of the projects goals. Identifying high crash locations provides information regarding potential need, the identification of an improvement and an evaluation measure for evaluating projects.

Locations which have experienced five or more crashes during the period of 2008 and 2011 are presented in the attached figure. Each location is identified with an identification number from 1 to 45 within the Washington MPO region and from 51 to 127 within the Idaho MPO region. Also included in this map is a dot identifying the crash location. These dots graphically represent the number of accidents that occurred at that location. This information is useful in looking at corridors and major intersections. As expected, the majority of these high crash locations occurred along arterials and intersections which have the greatest traffic volumes

The crash data also provides crash severity, including property damage only, injury and fatality. A summary of the crash data by state and crash severity is presented in the Table 1 below. A list of all crash locations that exceeded five accidents or more over the current four year history is presented in Table 2.

Table 1: Total Crashes

State	Property Damage Only	Injury	Fatality	TOTAL
Idaho	523	726	6	1,225
Washington	855	160	1	1,016
TOTAL	1,378 60.7%	886 39.0%	7 0.3%	2,271 100.0%

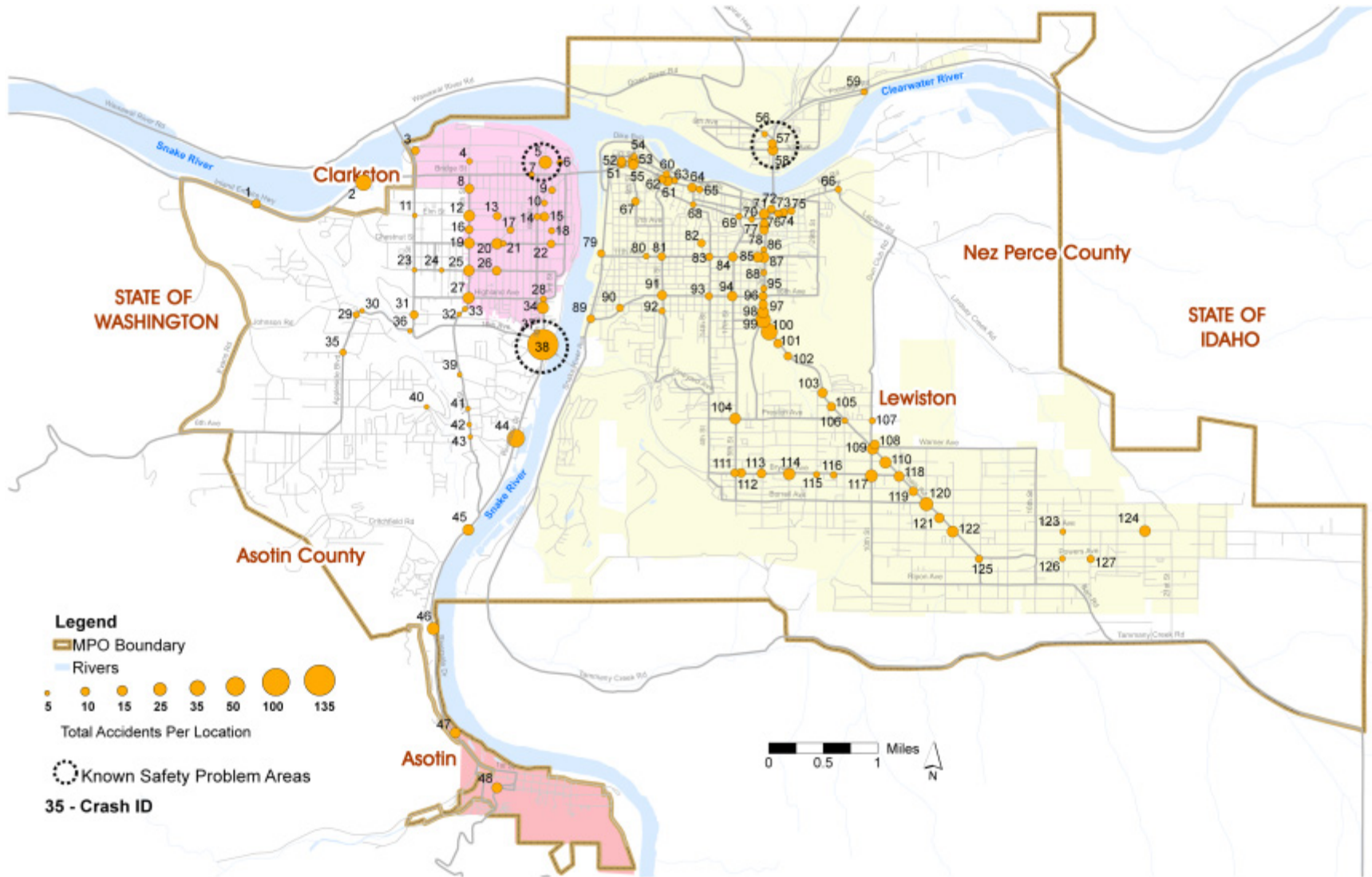
Between 2008 and 2011 there were a total of 2,271 total crashes within the MPO with 886 injury crashes and seven fatalities. Injury and fatality crashes accounted for 39.3% of all crashes. What is very interesting to note is that approximately 60% of all accidents in Idaho are injury or fatality crashes. The percent of injury and fatality crashes are much lower in Washington at approximately 16%.

The accident data by location is also presented in Table 3. Instead of listing locations by ID, this table lists locations by number of crashes from high to low.

The number one accident location in the region is SR 129 and the Southway Bridge with a total of 133 accidents. This location was also cited by the public as a very dangerous intersection. Improvements to this location are included in the MPO Transportation Improvement Program (TIP).

APPENDIX 2 EXISTING CONDITIONS CRASH ANALYSIS

Figure 1: Crash Data Map



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EXISTING CONDITIONS CRASH ANALYSIS

Table 2: Crash Data by ID

Washington Crashes

ID	Crash Location	Property Damages	Injuries	Fatalities	TOTAL
1	Inland Empire Hwy W/O Elm Street	6	5	0	11
2	Inland Empire Hwy E/O Elm Street	31	4	1	36
3	15th Street S/O Port Drive	9	4	0	13
4	13th Street and Fair Street	6	0	0	6
5	5th Street and Fair Street	25	2	0	27
6	Fair Street and 3rd Street	4	2	0	6
7	7th Street and Bridge Street	6	0	0	6
8	13th Street and Poplar Street	12	2	0	14
9	4th Street and Diagonal Street	2	6	0	8
10	5th Street and Maple Street	5	1	0	6
11	Elm Street and 15th Street	5	0	0	5
12	13th Street and Elm Street	19	1	0	20
13	Elm Street and 12th Street	8	2	0	10
14	Elm Street and 6th Street	6	1	0	7
15	5th Street and Elm Street	12	1	0	13
16	13th Street and Sycamore Street	8	3	0	11
17	Diagonal Street and Sycamore Street	8	0	0	8
18	4th Street and Sycamore Street	7	0	0	7
19	13th Street and Chestnut Street	17	1	0	18
20	12th Street and Chestnut Street	18	1	0	19
21	Chestnut Street and 11th Street	2	4	0	6
22	Chestnut Street and 4th Street	9	1	0	10
23	Libby Street and 15th Street	3	2	0	5
24	Libby Street and 14th Street	4	1	0	5
25	13th Street and Libby Street	18	1	0	19
26	12th Street and Libby Street	10	3	0	13

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EXISTING CONDITIONS CRASH ANALYSIS

Washington Crashes

ID	Crash Location	Property Damages	Injuries	Fatalities	TOTAL
27	13th Street and Highland Avenue	15	6	0	21
28	5th Street and Highland Avenue	6	1	0	7
29	Appleside Blvd and Valleyview Drive	3	6	0	9
30	Scenic Way N/O Allen Drive	4	1	0	5
31	Fleshman Way and 15th Street	11	3	0	14
32	13th Street and Fleshman Way	4	1	0	5
33	Fleshman Way Off Ramps	5	1	0	6
34	SR 129/5th Street and Highland Avenue	16	3	0	19
35	Appleside Blvd and 3rd Avenue	6	3	0	9
36	Scenic Way and 15th Street	3	2	0	5
37	16th Avenue W/O Rimview Drive	4	1	0	5
38	SR 129 and Southway Bridge	114	19	0	133
39	13th Street N/O 20th Avenue	3	2	0	5
40	5th Avenue W/O Rankin Hill	3	2	0	5
41	13th Street and Schweiter Ln	3	2	0	5
42	13th Street and Peaslee Avenue	4	1	0	5
43	13th Street and 24th Avenue	1	4	0	5
44	SR129 b/n Fleshman Way and 13th Street	37	6	0	43
45	SR129 b/n 13th Street and Critchfield Road	15	2	0	17
46	SR129 S/O Critchfield Road	17	4	0	21
47	SR129 N/O Baumeister Drive	11	4	0	15
48	Washington Street S/O 2nd Street	13	2	0	15
Washington Total (5 or more crashes)		558	124	1	683
Washington Total (Less than 5 crashes)		297	36	0	333
TOTAL Washington		855	160	1	1,016

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EXISTING CONDITIONS CRASH ANALYSIS

Table 2: Crash Data by ID (Continued)

Idaho Crashes

ID	Crash Location	Property Damages	Injuries	Fatalities	TOTAL
51	Main Street & 3rd Street	4	9	0	13
52	D Street & 3rd Street	5	8	0	13
53	D Street & 5th Street	9	12	0	21
54	C Street & 5th Street	4	4	0	8
55	Main Street & 5th Street	8	8	0	16
56	Down River Road & N/South Hwy	1	5	0	6
57	US-12 N/O 3rd Avenue N	6	6	0	12
58	US-12 & 3rd Avenue N	8	9	0	17
59	US-12/95 and Frontage Road	1	6	0	7
60	D Street & 9th Street	1	7	0	8
61	10th Street & Main Street	6	10	0	16
62	Main Street & 9th Street	3	8	0	11
63	Main Street & D Street	5	2	0	7
64	Main Street & 13th Street	7	6	0	13
65	Main Street & Jefferson Street	4	4	0	8
66	Main Street & Lapwai Road	3	4	0	7
67	4th Avenue & 5th Street	2	8	0	10
68	13th Street & Idaho Street	2	4	0	6
69	18th Street & Idaho Street	4	3	0	7
70	19th Street & Idaho Street	3	3	0	6
71	G Street & 21st Street	8	9	0	17
72	Main Street S/O Memorial Bridge	5	6	0	11
73	Main Street & 22nd Street	3	6	0	9
74	Main Street & 23rd Street	4	8	1	13
75	Main Street & 24th Street	4	5	0	9
76	21st Street & 7th Avenue	8	2	0	10
77	21st Street S/O 7th Avenue	9	5	1	15

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EXISTING CONDITIONS CRASH ANALYSIS

Idaho Crashes

ID	Crash Location	Property Damages	Injuries	Fatalities	TOTAL
78	21st Street & 8th Avenue	7	5	0	12
79	11th Avenue & Snake River Avenue	2	7	0	9
80	11th Avenue & 6th Street	1	5	0	6
81	11th Avenue & 8th Street	5	5	0	10
82	9th Avenue & 13th Street	5	5	0	10
83	11th Avenue & 14th Street	3	6	0	9
84	11th Avenue & 17th Street	5	9	0	14
85	11th Avenue & 20th Street	7	10	0	17
86	21st Street & 10th Avenue	2	4	0	6
87	21st Street & 11th Avenue	8	11	0	19
88	21st Street & 13th Avenue	5	2	0	7
89	Southway Avenue & Snake River Avenue	3	7	0	10
90	Southway Avenue & Carol Drive	3	6	0	9
91	16th Avenue & 8th Street	8	7	0	15
92	18th Avenue & 8th Street	2	5	0	7
93	16th Avenue & 14th Street	2	7	0	9
94	16th Avenue & 17th Street	4	12	0	16
95	21st Street & 15th Avenue	4	3	0	7
96	21st Street & 16th Avenue	7	5	0	12
97	21st Street & 17th Avenue	5	8	0	13
98	21st Street & 18th Avenue	10	12	0	22
99	21st Street & 19th Avenue	17	21	0	38
100	Thain Road & Nez Perce Drive	13	31	0	44
101	Thain Road & Pride Rock	7	5	0	12
102	Thain Road S/O Pride Rock	3	7	0	10
103	Thain Road & Stewart Avenue	6	9	0	15
104	Preston Avenue & 5th Street	8	12	0	20
105	Thain Road & Vista Avenue	3	9	0	12
106	Thain Road & Preston Avenue	4	2	0	6

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EXISTING CONDITIONS CRASH ANALYSIS

Idaho Crashes

ID	Crash Location	Property Damages	Injuries	Fatalities	TOTAL
107	Preston Avenue & 10th Street	3	4	0	7
108	Warner Avenue & 10th Street	6	8	0	14
109	Thain Road & Warner Avenue	7	14	0	21
110	Thain Road & Linden Avenue	9	13	0	22
111	Bryden Avenue & 5th Street	5	5	0	10
112	Bryden Avenue & 5th Street B	5	8	0	13
113	Bryden Avenue & 6th Street	4	10	0	14
114	Bryden Avenue & 7th Street	2	21	0	23
115	Bryden Avenue & 8th Street	3	4	0	7
116	Bryden Avenue & 8th Street E	2	6	0	8
117	Bryden Avenue & 10th Street	7	18	0	25
118	Thain Road & Bryden Avenue	8	9	0	17
119	Thain Road & Airway Avenue	3	10	0	13
120	Thain Road & Burrell Avenue	14	14	1	29
121	Thain Road & Cedar Avenue	3	13	0	16
122	Thain Road & Grelle Avenue	8	13	0	21
123	Grelle Avenue & 17th Street	1	5	0	6
124	Grelle Avenue & 20th Street	2	18	0	20
125	Thain Road & Powers Avenue	3	6	0	9
126	Powers Avenue & 17th Street	3	3	0	6
127	Powers Avenue & 18th Street	3	6	0	9
Idaho Total (5 or more crashes)		387	612	3	1,002
Idaho Total (Less than 5 crashes)		136	114	3	253
TOTAL Idaho		523	726	6	1,255
TOTAL MPO		1,378	886	7	2,271

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EXISTING CONDITIONS CRASH ANALYSIS

Table 3: Crash Data by Intersection Crash Ranking

Crashes Sorted By Total (High to Low)

ID	Crash Location	Property Damages	Injuries	Fatalities	TOTAL
38	SR 129 and Southway Bridge	114	19	0	133
100	Thain Road & Nez Perce Drive	13	31	0	44
44	SR129 b/n Fleshman Way and 13th Street	37	6	0	43
99	21st Street & 19th Avenue	17	21	0	38
2	Inland Empire Hwy E/O Elm Street	31	4	1	36
120	Thain Road & Burrell Avenue	14	14	1	29
5	5th Street and Fair Street	25	2	0	27
117	Bryden Avenue & 10th Street	7	18	0	25
114	Bryden Avenue & 7th Street	2	21	0	23
98	21st Street & 18th Avenue	10	12	0	22
110	Thain Road & Linden Avenue	9	13	0	22
27	13th Street and Highland Avenue	15	6	0	21
46	SR129 S/O Critchfield Road	17	4	0	21
53	D Street & 5th Street	9	12	0	21
109	Thain Road & Warner Avenue	7	14	0	21
122	Thain Road & Grelle Avenue	8	13	0	21
12	13th Street and Elm Street	19	1	0	20
104	Preston Avenue & 5th Street	8	12	0	20
124	Grelle Avenue & 20th Street	2	18	0	20
20	12th Street and Chestnut Street	18	1	0	19
25	13th Street and Libby Street	18	1	0	19
34	SR 129/5th Street and Highland Avenue	16	3	0	19
87	21st Street & 11th Avenue	8	11	0	19
19	13th Street and Chestnut Street	17	1	0	18
45	SR129 b/n 13th Street and Critchfield Road	15	2	0	17
58	US-12 & 3rd Avenue N	8	9	0	17
71	G Street & 21st Street	8	9	0	17
85	11th Avenue & 20th Street	7	10	0	17

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EXISTING CONDITIONS CRASH ANALYSIS

Crashes Sorted By Total (High to Low)

ID	Crash Location	Property Damages	Injuries	Fatalities	TOTAL
118	Thain Road & Bryden Avenue	8	9	0	17
55	Main Street & 5th Street	8	8	0	16
61	10th Street & Main Street	6	10	0	16
94	16th Avenue & 17th Street	4	12	0	16
121	Thain Road & Cedar Avenue	3	13	0	16
47	SR129 N/O Baumeister Drive	11	4	0	15
48	Washington Street S/O 2nd Street	13	2	0	15
77	21st Street S/O 7th Avenue	9	5	1	15
91	16th Avenue & 8th Street	8	7	0	15
103	Thain Road & Stewart Avenue	6	9	0	15
8	13th Street and Poplar Street	12	2	0	14
31	Fleshman Way and 15th Street	11	3	0	14
84	11th Avenue & 17th Street	5	9	0	14
108	Warner Avenue & 10th Street	6	8	0	14
113	Bryden Avenue & 6th Street	4	10	0	14
3	15th Street S/O Port Drive	9	4	0	13
15	5th Street and Elm Street	12	1	0	13
26	12th Street and Libby Street	10	3	0	13
51	Main Street & 3rd Street	4	9	0	13
52	D Street & 3rd Street	5	8	0	13
64	Main Street & 13th Street	7	6	0	13
74	Main Street & 23rd Street	4	8	1	13
97	21st Street & 17th Avenue	5	8	0	13
112	Bryden Avenue & 5th Street B	5	8	0	13
119	Thain Road & Airway Avenue	3	10	0	13
57	US-12 N/O 3rd Avenue N	6	6	0	12
78	21st Street & 8th Avenue	7	5	0	12
96	21st Street & 16th Avenue	7	5	0	12
101	Thain Road & Pride Rock	7	5	0	12

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EXISTING CONDITIONS CRASH ANALYSIS

Crashes Sorted By Total (High to Low)

ID	Crash Location	Property Damages	Injuries	Fatalities	TOTAL
105	Thain Road & Vista Avenue	3	9	0	12
1	Inland Empire Hwy W/O Elm Street	6	5	0	11
16	13th Street and Sycamore Street	8	3	0	11
62	Main Street & 9th Street	3	8	0	11
72	Main Street S/O Memorial Bridge	5	6	0	11
13	Elm Street and 12th Street	8	2	0	10
22	Chestnut Street and 4th Street	9	1	0	10
67	4th Avenue & 5th Street	2	8	0	10
76	21st Street & 7th Avenue	8	2	0	10
81	11th Avenue & 8th Street	5	5	0	10
82	9th Avenue & 13th Street	5	5	0	10
89	Southway Avenue & Snake River Avenue	3	7	0	10
102	Thain Road S/O Pride Rock	3	7	0	10
111	Bryden Avenue & 5th Street	5	5	0	10
29	Appleside Blvd and Valleyview Drive	3	6	0	9
35	Appleside Blvd and 3rd Avenue	6	3	0	9
73	Main Street & 22nd Street	3	6	0	9
75	Main Street & 24th Street	4	5	0	9
79	11th Avenue & Snake River Avenue	2	7	0	9
83	11th Avenue & 14th Street	3	6	0	9
90	Southway Avenue & Carol Drive	3	6	0	9
93	16th Avenue & 14th Street	2	7	0	9
125	Thain Road & Powers Avenue	3	6	0	9
127	Powers Avenue & 18th Street	3	6	0	9
9	4th Street and Diagonal Street	2	6	0	8
17	Diagonal Street and Sycamore Street	8	0	0	8
54	C Street & 5th Street	4	4	0	8
60	D Street & 9th Street	1	7	0	8
65	Main Street & Jefferson Street	4	4	0	8

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EXISTING CONDITIONS CRASH ANALYSIS

Crashes Sorted By Total (High to Low)

ID	Crash Location	Property Damages	Injuries	Fatalities	TOTAL
116	Bryden Avenue & 8th Street E	2	6	0	8
14	Elm Street and 6th Street	6	1	0	7
18	4th Street and Sycamore Street	7	0	0	7
28	5th Street and Highland Avenue	6	1	0	7
59	US-12/95 and Frontage Road	1	6	0	7
63	Main Street & D Street	5	2	0	7
66	Main Street & Lapwai Road	3	4	0	7
69	18th Street & Idaho Street	4	3	0	7
88	21st Street & 13th Avenue	5	2	0	7
92	18th Avenue & 8th Street	2	5	0	7
95	21st Street & 15th Avenue	4	3	0	7
107	Preston Avenue & 10th Street	3	4	0	7
115	Bryden Avenue & 8th Street	3	4	0	7
4	13th Street and Fair Street	6	0	0	6
6	Fair Street and 3rd Street	4	2	0	6
7	7th Street and Bridge Street	6	0	0	6
10	5th Street and Maple Street	5	1	0	6
21	Chestnut Street and 11th Street	2	4	0	6
33	Fleshman Way Off Ramps	5	1	0	6
56	Down River Road & N/South Hwy	1	5	0	6
68	13th Street & Idaho Street	2	4	0	6
70	19th Street & Idaho Street	3	3	0	6
80	11th Avenue & 6th Street	1	5	0	6
86	21st Street & 10th Avenue	2	4	0	6
106	Thain Road & Preston Avenue	4	2	0	6
123	Grelle Avenue & 17th Street	1	5	0	6
126	Powers Avenue & 17th Street	3	3	0	6
11	Elm Street and 15th Street	5	0	0	5
23	Libby Street and 15th Street	3	2	0	5

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Crashes Sorted By Total (High to Low)

ID	Crash Location	Property Damages	Injuries	Fatalities	TOTAL
24	Libby Street and 14th Street	4	1	0	5
30	Scenic Way N/O Allen Drive	4	1	0	5
32	13th Street and Fleshman Way	4	1	0	5
36	Scenic Way and 15th Street	3	2	0	5
37	16th Avenue W/O Rimview Drive	4	1	0	5
39	13th Street N/O 20th Avenue	3	2	0	5
40	5th Avenue W/O Rankin Hill	3	2	0	5
41	13th Street and Schweiter Ln	3	2	0	5
42	13th Street and Peaslee Avenue	4	1	0	5
43	13th Street and 24th Avenue	1	4	0	5