

Rio Grande and Candelaria

Comparison of 2004 - 2006 Report to Current 2007 - 2011 Data

Severity of Crash	2004 - 2006 Crashes	2007 - 2011 Crashes
Fatal Crashes	0	0
Injury (ABC) Crashes	13	10
Non-Injury Crashes	16	25
Total Crashes	29	35

Severity Index	0.45	0.29
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Severity Index = (Fatal and Injury Crashes) / Total Crashes

Injury crashes can be Incapacitating (A), Visible (B) or Non-visible (C) injury crashes.

2004 - 2006 Source: Rio Grande Candelaria Final Intersection Eval., Oct. 08,
Appendix. D, Intersection Collision Summary 2004 - 2006, p263.

2007 - 2011 Source: NMDOT crash file. Data from 2011 are preliminary.

Intersection Crash Data, Rio Grande/Candelaria and Albuquerque Intersections with Similar Traffic Volumes, 2004 - 2006 and 2007 - 2011

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by the University of New Mexico, Geospatial and Population Studies, Traffic Research Unit

Intersection	All Crashes (Intersection-related and Non-Intersection-related, ABC Injury Crashes)									
	2007	2008	2009	2010	2011	2007 - 2011 Crashes	2007 - 2011 Fatal Crashes	2007 - 2011 ABC Injury ¹ Crashes	Weighted ² Crash Frequency	2007 - 2011 Severity Index ⁵
RIO GRANDE @ CANDELARIA	6	8	6	8	7	35	0	10	60	0.29
ARENAL @ TAPIA	4	5	8	4	1	22	0	5	30	0.23
BROADWAY @ WOODWARD	6	6	2	3	2	19	0	4	24	0.21
INDIAN SCHOOL @ MOON	1	7	6	7	8	29	0	16	96	0.55
ISLETA @ BLAKE	8	9	12	9	10	48	0	14	84	0.29
MENAU @ CHELWOOD PARK	2	5	7	4	7	25	0	9	54	0.36
ALBUQUERQUE ⁶	20,951	18,961	18,302	16,491	17,035	91,740	217	25,162	152,925	0.28

Intersection	All Crashes (Intersection-related and Non-Intersection-related, ABC Injury Crashes)							
	2004	2005	2006	2004 - 2006 Crashes	2004 - 2006 Fatal Crashes	2007 - 2011 ABC Injury ¹ Crashes	Weighted ² Crash Frequency	2004 - 2006 Severity Index ⁵
RIO GRANDE @ CANDELARIA**	10	13	7	30	0	13	78	0.43
ARENAL @ TAPIA	6	4	6	16	0	4	24	0.25
BROADWAY @ WOODWARD	4	6	3	13	0	4	24	0.31
INDIAN SCHOOL @ MOON	6	5	6	17	0	8	48	0.47
ISLETA @ BLAKE	13	16	6	35	0	6	36	0.17
MENAU @ CHELWOOD PARK	8	10	9	27	0	9	54	0.33
ALBUQUERQUE ⁶	20,940	20,433	20,906	62,279	188	19,316	117,588	0.31

** The severity index for Rio Grande and Candelaria was reported as 0.45 when only 29 total crashes were reported from 2004 - 2006 (possibly preliminary data).

Crashes Excluding Non-Intersection Locations, AB Injury Crashes Only

Intersection	Crashes Excluding Non-Intersection Locations									
	2007	2008	2009	2010	2011	2007 - 2011 Crashes	2007 - 2011 Fatal Crashes	2007 - 2011 AB Injury ¹ Crashes	Weighted ² Crash Frequency	2007 - 2011 Severity Index ⁵
RIO GRANDE @ CANDELARIA	3	5	4	6	6	24	0	2	12	0.08
ARENAL @ TAPIA	1	1	5	3	1	11	0	0	0	0
BROADWAY @ WOODWARD	4	2	0	2	0	8	0	0	0	0
INDIAN SCHOOL @ MOON	1	5	4	5	5	20	0	4	24	0.20
ISLETA @ BLAKE	3	7	8	7	6	31	0	1	6	0.03
MENAU @ CHELWOOD PARK	1	4	4	3	5	17	0	2	12	0.12
ALBUQUERQUE ⁶	10,012	8,181	7,758	8,009	8,029	41,989	100	2,680	16,980	0.07

Intersection	Crashes Excluding Non-Intersection Locations							
	2004	2005	2006	2004 - 2006 Crashes	2004 - 2006 Fatal Crashes	2004 - 2006 AB Injury ¹ Crashes	Weighted ² Crash Frequency	2004 - 2006 Severity Index ⁵
RIO GRANDE @ CANDELARIA	5	10	2	17	0	2	12	0.12
ARENAL @ TAPIA	4	2	4	10	0	0	0	0
BROADWAY @ WOODWARD	0	3	3	6	0	0	0	0
INDIAN SCHOOL @ MOON	4	4	6	14	0	3	18	0.21
ISLETA @ BLAKE	9	11	2	22	0	1	6	0.05
MENAU @ CHELWOOD PARK	8	10	8	26	0	1	6	0.04
ALBUQUERQUE ⁶	10,776	10,825	11,404	33,005	106	2,339	14,988	0.07

All Crashes (Intersection-related and Non-Intersection-related, AB Injury Crashes Only)

Intersection	All Crashes (Intersection-related and Non-Intersection-related, AB Injury Crashes Only)									
	2007	2008	2009	2010	2011	2007 - 2011 Crashes	2007 - 2011 Fatal Crashes	2007 - 2011 AB Injury ¹ Crashes	Weighted ² Crash Frequency	2007 - 2011 Severity Index ⁵
RIO GRANDE @ CANDELARIA	6	8	6	8	7	35	0	3	18	0.09
ARENAL @ TAPIA	4	5	8	4	1	22	0	0	0	0
BROADWAY @ WOODWARD	6	6	2	3	2	19	0	0	0	0
INDIAN SCHOOL @ MOON	1	7	6	7	8	29	0	5	30	0.17
ISLETA @ BLAKE	8	9	12	9	10	48	0	3	18	0.06
MENAU @ CHELWOOD PARK	2	5	7	4	7	25	0	3	18	0.12
ALBUQUERQUE ⁶	20,951	18,961	18,302	16,491	17,035	91,740	217	6,719	42,267	0.08

Intersection	All Crashes (Intersection-related and Non-Intersection-related, AB Injury Crashes Only)							
	2004	2005	2006	2004 - 2006 Crashes	2004 - 2006 Fatal Crashes	2004 - 2006 AB Injury ¹ Crashes	Weighted ² Crash Frequency	2004 - 2006 Severity Index ⁵
RIO GRANDE @ CANDELARIA	10	13	7	30	0	5	30	0.17
ARENAL @ TAPIA	6	4	6	16	0	2	12	0.13
BROADWAY @ WOODWARD	4	6	3	13	0	2	12	0.15
INDIAN SCHOOL @ MOON	6	5	6	17	0	3	18	0.18
ISLETA @ BLAKE	13	16	6	35	0	1	6	0.03
MENAU @ CHELWOOD PARK	8	10	9	27	0	1	6	0.04
ALBUQUERQUE ⁶	20,940	20,433	20,906	62,279	188	4,862	30,864	0.08

Notes:

Data from 2011 are preliminary.

1. Injury crashes can be Class A (incapacitating), Class B (visible) or Class C (non-visible) injury crashes.
2. Nine points for each fatal crash and six points for each injury crash. See New Mexico FY2012 Transparency Report, NMDOT for further information.
3. Average daily number of vehicles entering the intersection in 2011. Calculated from Middle Rio Grande Council of Governments data.
4. Average annual crashes per million entering vehicles.
5. The fraction of total crashes that resulted in an AB injury or fatality. See Rio Grande Boulevard and Candelaria Road Intersection.Evaluation, PB Project 33612.
6. Crashes in Albuquerque, excluding crashes on Interstate highways.