

APPENDIX 12  
Crash Summary Tables Before and After Periods

A12 Table 1. Test Ramp Crash Listing Before and After Periods.

Analysis Period	Total Number of Road Injuries		Driver Intent	Crash Hour	Day of Week	Crash Severity	Light Condition	Manner of Collision	Vehicle 1 Type	Vehicle 2 Type	ACCDATE	
	Number of Injuries	Number of Vehicles										
BEFORE	0	2	Negotiate Curve	0	Wednesday	Property Injury	Dark-Lighted	Side-Swipe	Car	Semi Truck	25-JUN-1997	
	1	2	Go Straight	6	Monday	Injury	Daylight	Angle	Car	Utility Truck	27-OCT-1997	
	0	1	Negotiate Curve	21	Saturday	Property	Dark-Lighted	No Coll w/MV	Car		29-NOV-1997	
	0	1	Negotiate Curve	21	Saturday	Property	Dark-Lighted	No Coll w/MV	Car		29-NOV-1997	
	1	1	Negotiate Curve	14	Tuesday	Injury	Daylight	No Coll w/MV	Car		27-OCT-1998	
	0	2	Overtake-Left	20	Thursday	Property	Dark-Lighted	Side-Swipe	Car	Semi Truck	17-DEC-1998	
	1	1	Negotiate Curve	20	Wednesday	Injury	Daylight	No Coll w/MV	Semi Truck		24-JUN-1998	
	1	1	Negotiate Curve	0	Monday	Injury	Dark-Lighted	No Coll w/MV	Semi Truck		05-JAN-1998	
	0	3	Slowing/Stopping	8	Thursday	Property	Dawn	Rear-End	Car	Car	31-DEC-1998	
	0	1	Negotiate Curve	1	Sunday	Property	Dark-Lighted	No Coll w/MV	Car		01-FEB-1998	
	0	2	Go Straight	21	Saturday	Property	Dark-Lighted	Rear-End	Car	Car	26-SEP-1998	
	1	3	Change Lanes	5	Sunday	Injury	Dawn	Rear-End	Car	Utility Truck	13-SEP-1998	
	0	2	Change Lanes	10	Monday	Property	Daylight	Side-Swipe	Car	Car	05-APR-1999	
	0	5	Slowing/Stopping	10	Wednesday	Property	Daylight	Side-Swipe	Semi Truck	Semi Truck	13-JAN-1999	
	14	14		14	14		14	14		14		14
	N	14										
	AFTER	0	2	Negotiate Curve	19	Thursday	Property	Dark-Lighted	Rear-End	Car	Car	23-DEC-1999
		0	3	Slowing/Stopping	19	Thursday	Property	Dark-Lighted	Rear-End	Car	Car	23-DEC-1999
		0	1	Negotiate Curve	21	Thursday	Property	Dark-Lighted	No Coll w/MV	Car	Car	23-DEC-1999
		0	1	Negotiate Curve	20	Saturday	Property	Dark-Lighted	No Coll w/MV	Semi Truck		04-DEC-1999
0		1	Blank	0	Saturday	Property	Daylight	No Coll w/MV	Car		20-MAY-2000	
0		2	Negotiate Curve	10	Saturday	Property	Daylight	Side-Swipe	Car	Car	01-JAN-2000	
1		1	Negotiate Curve	0	Saturday	Property	Dark-Lighted	No Coll w/MV	Car		15-JAN-2000	
0		1	Negotiate Curve	30	Tuesday	Injury	Dark-Lighted	No Coll w/MV	Car	Car	30-JAN-2001	
8		8		8	8		8	8		8		8
N		8										

A12 Table 2. Test Ramp Crashes: Single- or Multi-Vehicle/Crash Severity/Hour of Occurrence-Before.

Analysis Period BEFORE

		Single- or Multi-Vehicle				Table Total
		Single		Multiple		
		Crash Severity		Crash Severity		
		Injury	Property	Injury	Property	
Crash Hour <sup>a,b</sup>	0	1			1	2
	1		1			1
	5			1		1
	6			1		1
	8				1	1
	10				2	2
	14	1				1
	19					
	20	1			1	2
	21		2		1	3
	30					
	Table Total		3	3	2	6

a. Hour = 1 includes crashes occurring at or after 1:00 am and before 2:00 am.

b. Hour = 30 Hour of occurrence unknown.

A12 Table 3. Test Ramp Crashes: Single- or Multi-Vehicle/Light Condition.

		Analysis Period				Table Total
		BEFORE		AFTER		
		Single- or Multi-Vehicle		Single- or Multi-Vehicle		
		Single	Multiple	Single	Multiple	
Light Condition	Daylight	2	3	1	1	7
	Dawn		2			2
	Dark-Lighted	4	3	4	2	13
Table Total		6	8	5	3	22

A12 Table 4. Test Ramp Crashes: Single- or Multi-Vehicle/Pavement Condition.

		Analysis Period				Table Total
		BEFORE		AFTER		
		Single- or Multi-Vehicle		Single- or Multi-Vehicle		
		Single	Multiple	Single	Multiple	
Pavement Condition	Dry	1	6	2		9
	Ice		1	1	1	3
	Snow				1	1
	Wet	5	1	2	1	9
Table Total		6	8	5	3	22

A12 Table 5. Test Ramp Crashes: Number of Involved Vehicles.

		Analysis Period				Table Total
		BEFORE		AFTER		
		Single- or Multi-Vehicle		Single- or Multi-Vehicle		
		Single	Multiple	Single	Multiple	
Total Number of Vehicles	1	6		5		11
	2		5		2	7
	3		2		1	3
	5		1			1
Table Total		6	8	5	3	22

A12 Table 6. Test Ramp Crashes: Single- or Multi-Vehicle/Crash Severity.

		Analysis Period				Table Total
		BEFORE		AFTER		
		Single- or Multi-Vehicle		Single- or Multi-Vehicle		
		Single	Multiple	Single	Multiple	
Crash Severity	Injury	3	2	1		6
	Property	3	6	4	3	16
Table Total		6	8	5	3	22

A12 Table 7. Test Ramp Crashes: Single- or Multi-Vehicle/Day of Week.

		Analysis Period				Table Total
		BEFORE		AFTER		
		Single- or Multi-Vehicle		Single- or Multi-Vehicle		
		Single	Multiple	Single	Multiple	
Day of Week	Sunday	1	1			2
	Monday	1	2			3
	Tuesday	1		1		2
	Wednesday	1	2			3
	Thursday		2	1	2	5
	Saturday	2	1	3	1	7
Table Total		6	8	5	3	22

A12 Table 8. Test Ramp Crashes: Single- or Multi-Vehicle/Crash Type.

		Analysis Period				Table Total
		BEFORE		AFTER		
		Single- or Multi-Vehicle		Single- or Multi-Vehicle		
		Single	Multiple	Single	Multiple	
Crash Type	Collision w/MV <sup>a</sup>		5		3	8
	Impact Attenuator	1				1
	Bridge Pier		1			1
	Deer			1		1
	Median Barrier	3	1	2		6
	Non-Fixed Object	1				1
	Overturn			1		1
	Non-Collision		1			1
	Other Fixed Object	1		1		2
Table Total		6	8	5	3	22

a. MV = Motor Vehicle

A12 Table 9. Test Ramp Crashes: Single- or Multi-Vehicle/Crash Severity/Hour of Occurrence-After.

Analysis Period AFTER

	Single- or Multi-Vehicle				Table Total
	Single		Multiple		
	Crash Severity		Crash Severity		
	Injury	Property	Injury	Property	
Crash Hour <sup>a,b</sup> 0		2			2
1					
5					
6					
8					
10				1	1
14					
19				2	2
20		1			1
21		1			1
30	1				1
Table Total	1	4		3	8

a. Hour = 1 includes crashes occurring at or after 1:00 am and before 2:00 am.

b. Hour = 30 Hour of occurrence unknown.

A12 Table 10. Control Ramp Crash Listing Before and After Periods.

Analysis Period	Total Number of Road Injuries		Total Number of Vehicles		Driver Intent	Crash Hour	Day of Week	Crash Severity	Light Condition	Manner of Collision	Vehicle 1 Type	Vehicle 2 Type	ACCDATE		
	Number of Injuries	Conditions	Number of Vehicles	Conditions											
BEFORE	0	Wet	2	Negotiate	Curve	16	Monday	Property	Daylight	Angle	Car	Car	18-JAN-1999		
	0	Wet	1	Negotiate	Curve	6	Friday	Property	Daylight	No Coll w/MV	Utility Truck	.	16-APR-1999		
	0	Wet	1	Negotiate	Curve	16	Monday	Property	Daylight	No Coll w/MV	Straight Truck	.	18-JAN-1999		
	1	Wet	1	Negotiate	Curve	3	Saturday	Injury	Dark-Lighted	No Coll w/MV	Car	.	23-JAN-1999		
	0	Wet	1	Negotiate	Curve	10	Tuesday	Property	Daylight	No Coll w/MV	Car	.	02-FEB-1999		
	1	Dry	4	Go	Straight	11	Tuesday	Injury	Daylight	No Coll w/MV	Car	Car	Car	13-APR-1999	
	1	Wet	2	Negotiate	Curve	9	Sunday	Injury	Dark-Lighted	Rear-End	Car	Car	Car	20-DEC-1998	
	0	Dry	1	Negotiate	Curve	21	Monday	Property	Daylight	No Coll w/MV	Car	Car	Car	30-NOV-1998	
	0	Dry	1	Negotiate	Curve	11	Tuesday	Property	Daylight	No Coll w/MV	Car	Car	Car	11-JAN-1998	
	0	Dry	1	Negotiate	Curve	23	Monday	Property	Daylight	No Coll w/MV	Car	Car	Car	03-FEB-1998	
	0	Wet	1	Negotiate	Curve	16	Sunday	Property	Daylight	No Coll w/MV	Car	Car	Car	16-FEB-1998	
	0	Wet	1	Negotiate	Curve	13	Sunday	Property	Daylight	No Coll w/MV	Car	Car	Car	03-MAY-1998	
	0	Wet	1	Go	Straight	11	Tuesday	Property	Daylight	No Coll w/MV	Utility Truck	Utility Truck	.	07-JUL-1998	
	0	Wet	2	Negotiate	Curve	8	Sunday	Property	Daylight	Head-On	Car	Car	Car	23-AUG-1998	
	0	Wet	1	Negotiate	Curve	12	Monday	Property	Daylight	Blank	Utility Truck	Utility Truck	.	14-SEP-1998	
	0	Dry	1	Go	Straight	11	Thursday	Property	Daylight	No Coll w/MV	Blank	Blank	.	17-SEP-1998	
	1	Wet	2	Go	Straight	5	Monday	Injury	Dark-Lighted	Angle	Car	Car	Car	14-SEP-1998	
	1	Wet	1	Negotiate	Curve	0	Saturday	Injury	Dark-Lighted	No Coll w/MV	Car	Car	Car	03-OCT-1998	
	0	Wet	3	Slowing/Stopping	Curve	15	Monday	Property	Daylight	No Coll w/MV	Semi Truck	Utility Truck	Utility Truck	05-OCT-1998	
	0	Wet	1	Negotiate	Curve	2	Sunday	Property	Daylight	No Coll w/MV	Car	Car	Car	18-OCT-1998	
	0	Wet	1	Negotiate	Curve	14	Tuesday	Property	Daylight	No Coll w/MV	Car	Car	Car	27-OCT-1998	
	0	Wet	1	Negotiate	Curve	8	Sunday	Property	Daylight	No Coll w/MV	Car	Car	Car	08-NOV-1998	
	1	Wet	1	Negotiate	Curve	22	Monday	Injury	Dark-Lighted	No Coll w/MV	Car	Car	Car	02-MAR-1998	
	0	Wet	1	Negotiate	Curve	8	Wednesday	Property	Daylight	No Coll w/MV	Utility Truck	Utility Truck	Utility Truck	08-APR-1998	
	1	Wet	2	Go	Straight	10	Thursday	Injury	Dark-Lighted	Angle	Car	Car	Car	07-MAY-1998	
	0	Wet	1	Negotiate	Curve	8	Saturday	Property	Daylight	Side-Swipe	Same	Car	Semi Truck	Car	03-OCT-1998
	0	Dry	2	Change Lanes	Curve	9	Tuesday	Property	Daylight	Side-Swipe	Same	Car	Car	03-NOV-1998	
	0	Wet	1	Go	Straight	14	Sunday	Property	Daylight	No Coll w/MV	Car	Car	Car	06-DEC-1998	
	1	Dry	1	Negotiate	Curve	5	Monday	Injury	Dark-Lighted	No Coll w/MV	Car	Car	Car	14-DEC-1998	
	2	Dry	2	Change Lanes	Curve	23	Friday	Property	Dark-Lighted	Side-Swipe	Same	Semi Truck	Utility Truck	26-JUN-1998	
	0	Dry	1	Negotiate	Curve	16	Saturday	Property	Daylight	No Coll w/MV	Car	Car	Car	18-APR-1998	
	0	Wet	1	Negotiate	Curve	10	Monday	Property	Daylight	No Coll w/MV	Car	Car	Car	30-NOV-1998	
	0	Wet	2	Go	Straight	15	Sunday	Property	Daylight	Rear-End	Car	Car	Car	06-DEC-1998	
	0	Dry	2	Negotiate	Curve	14	Thursday	Property	Daylight	Side-Swipe	Same	Car	Car	26-NOV-1998	
	1	Wet	1	Negotiate	Curve	21	Monday	Injury	Dark-Lighted	No Coll w/MV	Car	Car	Blank	09-NOV-1998	
	2	Wet	2	Negotiate	Curve	18	Monday	Property	Dark-Lighted	No Coll w/MV	Car	Car	Car	05-OCT-1998	
	1	Dry	1	Negotiate	Curve	14	Tuesday	Injury	Daylight	No Coll w/MV	Utility Truck	Utility Truck	.	06-OCT-1998	
	0	Wet	1	Negotiate	Curve	22	Thursday	Property	Dark-Lighted	No Coll w/MV	Car	Car	Car	29-OCT-1998	
	1	Wet	1	Negotiate	Curve	15	Saturday	Injury	Daylight	No Coll w/MV	Car	Car	Car	17-OCT-1998	
	0	Wet	1	Negotiate	Curve	6	Saturday	Property	Dawn	No Coll w/MV	Car	Car	Car	03-OCT-1998	
	0	Wet	1	Negotiate	Curve	6	Saturday	Property	Daylight	No Coll w/MV	Car	Car	Car	17-OCT-1998	
	0	Wet	1	Negotiate	Curve	8	Saturday	Property	Daylight	No Coll w/MV	Car	Car	Car	17-OCT-1998	
0	Wet	1	Negotiate	Curve	1	Tuesday	Property	Dark-Lighted	No Coll w/MV	Utility Truck	Utility Truck	.	21-APR-1998		

A12 Table 10. Control Ramp Crash Listing Before and After Periods (Continued)

Analysis Period	Total Number of Road Injuries		Driver Intent	Crash Hour	Day of Week	Crash Severity	Light Condition	Manner of Collision	Vehicle 1 Type	Vehicle 2 Type	ACCDATE	
	Number of Injuries	Number of Vehicles										
BEFORE	0	1	Negotiate Curve	0	Saturday	Property	Dark-Lighted	No Coll w/MV	Car	.	26-SEP-1998	
	0	1	Negotiate Curve	22	Wednesday	Property	Dark-Lighted	No Coll w/MV	Car	.	08-APR-1998	
	0	1	Negotiate Curve	20	Wednesday	Property	Dark-Lighted	No Coll w/MV	Car	.	08-APR-1998	
	0	2	Negotiate Curve	0	Sunday	Property	Dark-Lighted	No Coll w/MV	Car	.	26-APR-1998	
	0	1	Negotiate Curve	17	Tuesday	Property	Daylight	Angle	Car	Car	31-MAR-1998	
	1	1	Negotiate Curve	23	Monday	Injury	Dark-Lighted	No Coll w/MV	Car	.	20-JUL-1998	
	0	1	Negotiate Curve	8	Saturday	Property	Daylight	No Coll w/MV	Utility Truck	.	02-MAY-1998	
	0	2	Negotiate Curve	14	Tuesday	Property	Daylight	Side-Swipe Same	Car	Semi Truck	06-OCT-1998	
	0	2	Negotiate Curve	14	Friday	Property	Daylight	Side-Swipe Same	Car	Car	30-OCT-1998	
	0	1	Negotiate Curve	12	Monday	Property	Daylight	No Coll w/MV	Blank	.	09-NOV-1998	
	1	2	Negotiate Curve	21	Friday	Injury	Dark-Lighted	Angle	Straight Truck	Car	03-JUL-1998	
	1	2	Change Lanes	19	Friday	Injury	Daylight	No Coll w/MV	Car	Car	03-JUL-1998	
	0	2	Other	13	Friday	Property	Daylight	Side-Swipe Same	Utility Truck	OTR	16-MAY-1997	
	0	2	Negotiate Curve	20	Friday	Property	Dark-Lighted	Side-Swipe Same	Car	Car	30-MAY-1997	
	0	1	Go Straight	11	Friday	Property	Daylight	No Coll w/MV	Semi Truck	.	20-JUN-1997	
	1	1	Negotiate Curve	2	Saturday	Injury	Dark-Lighted	No Coll w/MV	Car	Car	21-JUN-1997	
	1	2	Slowing/Stopping	2	Monday	Injury	Dark-Lighted	Side-Swipe Oppos	Car	Car	21-JUL-1997	
	0	2	Slowing/Stopping	6	Friday	Property	Daylight	No Coll w/MV	Semi Truck	.	19-SEP-1997	
	0	1	Negotiate Curve	19	Sunday	Property	Dark-Lighted	No Coll w/MV	Car	Car	26-OCT-1997	
	1	1	Negotiate Curve	13	Sunday	Injury	Daylight	No Coll w/MV	Car	Car	09-NOV-1997	
	0	1	Go Straight	21	Saturday	Property	Dark-Lighted	No Coll w/MV	Car	Car	15-NOV-1997	
	0	1	Negotiate Curve	14	Thursday	Property	Daylight	No Coll w/MV	Car	Car	27-NOV-1997	
	0	2	Slowing/Stopping	11	Thursday	Property	Daylight	Rear-End	Straight Truck	Car	27-NOV-1997	
	0	1	Negotiate Curve	20	Friday	Property	Dark-Lighted	No Coll w/MV	Car	Car	28-NOV-1997	
	0	2	Other	9	Friday	Property	Daylight	No Coll w/MV	Car	Car	28-NOV-1997	
	0	2	Other	7	Friday	Property	Daylight	Angle	Utility Truck	Car	28-NOV-1997	
	0	1	Negotiate Curve	18	Saturday	Property	Dark-Lighted	No Coll w/MV	Car	Car	29-NOV-1997	
	1	1	Negotiate Curve	14	Wednesday	Injury	Daylight	No Coll w/MV	Car	Car	03-DEC-1997	
	1	1	Negotiate Curve	14	Wednesday	Injury	Daylight	No Coll w/MV	Car	Car	03-DEC-1997	
	73	73		73	73	73	73	73	73	73	73	73
	N											
	AFTER	0	2	Negotiate Curve	16	Wednesday	Property	Dusk	Side-Swipe Same	Car	Car	03-JAN-2001
		0	2	Negotiate Curve	20	Thursday	Property	Dark-Lighted	Angle	Semi Truck	.	25-JAN-2001
1		2	Negotiate Curve	17	Thursday	Injury	Dusk	Side-Swipe Same	Car	Car	22-FEB-2001	
0		2	Negotiate Curve	13	Tuesday	Property	Dark-Lighted	No Coll w/MV	Car	Car	20-FEB-2001	
0		1	Negotiate Curve	7	Saturday	Property	Dark-Lighted	No Coll w/MV	Car	Car	21-APR-2001	
0		1	Negotiate Curve	16	Wednesday	Property	Daylight	No Coll w/MV	Car	Car	31-MAY-2000	
0		1	Slowing/Stopping	13	Sunday	Property	Daylight	No Coll w/MV	Car	Car	28-MAY-2000	
0		3	Slowing/Stopping	12	Wednesday	Property	Daylight	No Coll w/MV	Utility Truck	Car	31-MAY-2000	
1		1	Slowing/Stopping	11	Sunday	Injury	Daylight	No Coll w/MV	Car	Car	28-MAY-2000	
0		1	Change Lanes	11	Thursday	Property	Daylight	No Coll w/MV	Car	Car	17-AUG-2000	
1		1	Negotiate Curve	7	Saturday	Injury	Daylight	No Coll w/MV	Car	Car	23-SEP-2000	
2		2	Slowing/Stopping	7	Saturday	Injury	Daylight	Rear-End	Semi Truck	Car	23-SEP-2000	
1		1	Negotiate Curve	13	Monday	Injury	Daylight	No Coll w/MV	Car	Car	11-SEP-2000	



A12 Table 10. Control Ramp Crash Listing Before and After Periods (Continued).

Analysis Period	Total Number of Road Injuries	Total Number of Vehicles	Driver Intent	Crash Hour	Day of Week	Crash Severity	Light Condition	Manner of Collision	Vehicle 1 Type	Vehicle 2 Type	ACCDATE
AFTER	0 Dry	1	Negotiate Curve	1 Friday	Fatal	Dark-Lighted	No Coll w/MV	Semi Truck	Semi Truck	Straight Truck	25-FEB-2000
	0 Dry	2	Change Lanes	9 Wednesday	Property	Daylight	Side-Swipe Same	Car	Car		22-MAR-2000
	0 Dry	1	Negotiate Curve	6 Monday	Property	Dawn	No Coll w/MV	Blank	Blank	Car	17-JAN-2000
	0 Dry	1	Other	0 Tuesday	Property	Dark-Lighted	Side-Swipe Oppos	Car	Car		11-JAN-2000
	0 Wet	1	Negotiate Curve	3 Friday	Property	Dark-Lighted	No Coll w/MV	Car	Car		12-MAY-2000
	0 Wet	2	Negotiate Curve	9 Sunday	Property	Daylight	Side-Swipe Same	Car	Car		28-MAY-2000
	0 Wet	2	Negotiate Curve	17 Saturday	Property	Daylight	Rear-End	Utility Truck	Car		27-MAY-2000
	0 Dry	1	Negotiate Curve	19 Saturday	Property	Dusk	No Coll w/MV	Car	Car		27-MAY-2000
	0 Wet	1	Negotiate Curve	20 Saturday	Property	Dark-Lighted	No Coll w/MV	Car	Car		27-MAY-2000
	0 Wet	1	Negotiate Curve	11 Saturday	Property	Daylight	No Coll w/MV	Car	Car		27-MAY-2000
	1 Wet	1	Negotiate Curve	12 Saturday	Injury	Daylight	No Coll w/MV	Car	Car		27-MAY-2000
	0 Wet	1	Negotiate Curve	21 Thursday	Property	Dark-Lighted	No Coll w/MV	Car	Car		18-MAY-2000
	0 Dry	2	Change Lanes	8 Monday	Property	Daylight	Side-Swipe Same	Semi Truck	Utility Truck	Utility Truck	13-MAR-2000
	0 Wet	2	Go Straight	0 Tuesday	Property	Dark-Lighted	No Coll w/MV	Utility Truck	Utility Truck	Blank	09-MAY-2000
	0 Wet	2	Negotiate Curve	5 Friday	Property	Dawn	Angle	Car	Utility Truck	Utility Truck	19-MAY-2000
	1 Dry	1	Negotiate Curve	18 Sunday	Injury	Dark-Lighted	No Coll w/MV	Car	Car		12-NOV-2000
	0 Dry	4	Change Lanes	4 Wednesday	Property	Dawn	Angle	Utility Truck	Utility Truck	Car	20-DEC-2000
	2 Wet	1	Negotiate Curve	12 Monday	Injury	Daylight	No Coll w/MV	Car	Car		23-OCT-2000
	0 Wet	1	Negotiate Curve	22 Thursday	Property	Dark-Lighted	No Coll w/MV	Utility Truck	Utility Truck		05-OCT-2000
	0 Wet	2	Negotiate Curve	22 Thursday	Property	Dark-Lighted	No Coll w/MV	Car	Car		05-OCT-2000
	0 Wet	1	Negotiate Curve	2 Tuesday	Property	Dark-Lighted	No Coll w/MV	Car	Car		07-NOV-2000
	1 Wet	2	Negotiate Curve	20 Sunday	Injury	Dark-Lighted	Blank	Utility Truck	Car		26-NOV-2000
	0 Wet	1	Negotiate Curve	3 Tuesday	Property	Dark-Lighted	No Coll w/MV	Utility Truck	Utility Truck		07-NOV-2000
	0 Wet	1	Negotiate Curve	14 Monday	Property	Daylight	No Coll w/MV	Semi Truck	Utility Truck		23-OCT-2000
	0 Wet	2	Negotiate Curve	20 Sunday	Property	Dark-Lighted	Rear-End	Car	Car		26-NOV-2000
	0 Wet	1	Negotiate Curve	20 Sunday	Property	Dark-Lighted	No Coll w/MV	Car	Car		26-NOV-2000
	1 Dry	2	Slowing/Stopping	17 Saturday	Injury	Dark-Lighted	Rear-End	Car	MC		11-NOV-2000
	1 Dry	2	Change Lanes	8 Monday	Injury	Dark-Lighted	Side-Swipe Same	Car	Car		15-NOV-1999
	0 Wet	2	Negotiate Curve	12 Monday	Property	Daylight	Side-Swipe Same	Car	Car		27-SEP-1999
	1 Dry	2	Slowing/Stopping	17 Monday	Injury	Dark-Lighted	Rear-End	Car	Semi Truck	Truck	27-SEP-1999
	0 Dry	2	Change Lanes	12 Friday	Property	Daylight	Angle	Blank	Car	Car	17-DEC-1999
	1 Wet	1	Negotiate Curve	5 Wednesday	Injury	Dark-Lighted	No Coll w/MV	Car	Car		15-DEC-1999
	0 Wet	1	Negotiate Curve	11 Wednesday	Property	Daylight	No Coll w/MV	Car	Car		15-DEC-1999
	0 Dry	1	Negotiate Curve	11 Wednesday	Property	Daylight	No Coll w/MV	Semi Truck	Semi Truck		15-DEC-1999
	0 Wet	1	Slowing/Stopping	8 Tuesday	Property	Daylight	No Coll w/MV	Utility Truck	Utility Truck		28-SEP-1999
	1 Wet	1	Negotiate Curve	22 Wednesday	Injury	Dark-Lighted	No Coll w/MV	Utility Truck	Utility Truck		18-AUG-1999
	1 Wet	1	Negotiate Curve	11 Saturday	Injury	Daylight	No Coll w/MV	Car	Car		17-JUL-1999
	1 Wet	1	Change Lanes	14 Sunday	Injury	Daylight	No Coll w/MV	Car	Car		05-DEC-1999
	0 Wet	1	Slowing/Stopping	6 Saturday	Property	Dark-Lighted	No Coll w/MV	Car	Car		02-OCT-1999
	1 Wet	1	Negotiate Curve	22 Tuesday	Injury	Dark-Lighted	No Coll w/MV	Car	Car		28-SEP-1999
	2 Wet	1	Negotiate Curve	7 Tuesday	Injury	Daylight	No Coll w/MV	Car	Car		23-NOV-1999
	0 Wet	1	Negotiate Curve	9 Wednesday	Property	Daylight	No Coll w/MV	Car	Car		13-OCT-1999
	0 Wet	2	Negotiate Curve	11 Saturday	Property	Daylight	No Coll w/MV	Car	Car		07-AUG-1999
	0 Wet	1	Negotiate Curve	14 Friday	Property	Daylight	No Coll w/MV	Car	Car		03-DEC-1999

A12 Table 10. Control Ramp Crash Listing Before and After Periods (Continued).

Analysis Period	Total Number of Injuries	Total Number of Road Conditions	Driver Intent	Crash Hour	Day of Week	Crash Severity	Light Condition	Manner of Collision	Vehicle 1 Type	Vehicle 2 Type	ACCDATE
AFTER	0	0	1 Negotiate	5	Thursday	Property	Dark-Lighted	No Coll w/MV	Car		19-AUG-1999
N	59	59	1 Negotiate	9	Wednesday	Property	Daylight	No Coll w/MV	Car		13-OCT-1999
			59	59		59	59	59	59	59	59

A12 Table 11. Control Ramp Crashes Period: Single- or Multi-Vehicle/Crash Severity/Hour of Occurrence-Before.

Analysis Period BEFORE

		Single- or Multi-Vehicle				Table Total	
		Single			Multiple		
		Crash Severity			Crash Severity		
		Fatal	Injury	Property	Injury		Property
Crash Hour <sup>a</sup>	0		1	2		3	
	1			1		1	
	2		1	1	1	3	
	3		1			1	
	4						
	5		1		1	2	
	6			3		1	4
	7					1	1
	8			5		1	6
	9			2		1	3
	10			2	1		3
	11			4	1	1	6
	12			2			2
	13		1	1		1	3
	14		3	3		3	9
	15		1			2	3
	16			3		1	4
	17					1	1
	18			1		1	2
	19			1	1		2
	20			2		1	3
	21		1	2	2		5
	22		1	2			3
	23		1	1		1	3
Table Total			12	38	7	16	73

a. Hour = 1 includes crashes occurring at or after 1:00 am and before 2:00 am.

A12 Table 12. Control Ramp Crashes: Single- or Multi-Vehicle/Light Condition.

		Analysis Period				Table Total
		BEFORE		AFTER		
		Single- or Multi-Vehicle		Single- or Multi-Vehicle		
		Single	Multiple	Single	Multiple	
Light Condition	Daylight	28	16	18	12	74
	Dawn	2		1	2	5
	Dusk			1	2	3
	Dark-Lighted	20	7	15	8	50
Table Total		50	23	35	24	132

A12 Table 13. Control Ramp Crashes: Single- or Multi-Vehicle/Pavement Condition.

		Analysis Period				Table Total
		BEFORE		AFTER		
		Single- or Multi-Vehicle		Single- or Multi-Vehicle		
		Single	Multiple	Single	Multiple	
Pavement Condition	Blank		1			1
	Dry	9	7	5	12	33
	Wet	41	15	30	12	98
Table Total		50	23	35	24	132

A12 Table 14. Control Ramp Crashes: Number of Involved Vehicles.

		Analysis Period				Table Total
		BEFORE		AFTER		
		Single- or Multi-Vehicle		Single- or Multi-Vehicle		
		Single	Multiple	Single	Multiple	
Total Number of Vehicles	1	50		35		85
	2		21		23	44
	3		1		1	2
	4		1			1
Table Total		50	23	35	24	132

A12 Table 15. Control Ramp Crashes: Single- or Multi-Vehicle/Crash Severity.

		Analysis Period				Table Total
		BEFORE		AFTER		
		Single- or Multi-Vehicle		Single- or Multi-Vehicle		
		Single	Multiple	Single	Multiple	
Crash Severity	Fatal			1		1
	Injury	12	7	11	7	37
	Property	38	16	23	17	94
Table Total		50	23	35	24	132

A12 Table 16. Control Ramp Crashes: Single- or Multi-Vehicle/Day of Week.

		Analysis Period				Table Total
		BEFORE		AFTER		
		Single- or Multi-Vehicle		Single- or Multi-Vehicle		
		Single	Multiple	Single	Multiple	
Day of Week	Sunday	9	3	4	4	20
	Monday	10	5	4	4	23
	Tuesday	6	4	5	3	18
	Wednesday	5		7	4	16
	Thursday	3	3	4	3	13
	Friday	4	8	3	2	17
	Saturday	13		8	4	25
Table Total		50	23	35	24	132

A12 Table 17. Control Ramp Crashes: Single- or Multi-Vehicle/Crash Type.

		Analysis Period				Table Total
		BEFORE		AFTER		
		Single- or Multi-Vehicle		Single- or Multi-Vehicle		
		Single	Multiple	Single	Multiple	
Crash Type	Collision w/MV <sup>a</sup>	1	18		14	33
	Impact Attenuator	1		1		2
	Bridge Parapet	3				3
	Bridge Pier	1				1
	Bridge Rail	4				4
	Curb	1		2		3
	Guardrail End	1	1	5		7
	Guardrail Face	3		1	1	5
	Jackknife	1		1		2
	Median Barrier	28	2	21	5	56
	Motor Vehicle in Transit				2	2
	Other non-Fixed Object				1	1
	Non-Collision	1	1	1		3
	Other Fixed Object	5	1		1	7
	Overturn			1		1
Traffic Sign			2		2	
Table Total		50	23	35	24	132

a. MV = Motor Vehicle

A12 Table 18. Control Ramp Crashes: Single- or Multi-Vehicle/Crash Severity/Hour of Occurrence-After.

Analysis Period AFTER

		Single- or Multi-Vehicle				Table Total	
		Single			Multiple		
		Crash Severity			Crash Severity		
		Fatal	Injury	Property	Injury		Property
Crash Hour	0				2	2	
	1	1				1	
	2		1			1	
	3		2			2	
	4				1	1	
	5		1	1	1	3	
	6			2		2	
	7		2	1	1	4	
	8			1	1	1	3
	9			2		2	4
	10						
	11		2	4		1	7
	12		2			3	5
	13		1	1		1	3
	14			2	1		3
	15						
	16			1		1	2
	17				3	1	4
	18		1				1
	19			1			1
	20			2	1	2	5
	21			1			1
	22		2	1		1	4
	23						
Table Total		1	11	23	7	17	59