

STRIETER-LITE Wild Animal Highway Warning Reflector System

Reflectorized Section

Location:	Iowa Rt. 76 (Sunshine Hill) RP: 9.85 – 11.27				
Length of reflectorized section:	1.42 miles				
Reflectors installed:	01/31/87				
Reflector installation design:	Directed across highway and staggered				
Terrain:	Curves and Slightly Hilly				
Deer-vehicle after dark crash history prior to installation:	1984 – 50	1985 – 50	1986 - 50		
Number of after dark crashes after installation:	1987 – 0	1991 – no data available	1993 -- 3	1997 - 2	
	1988 – 3		1994 – 0	1998 - 1	
	1989 – 0	1992– no data available	1995 – 0	1999 – 3	
	1990 – 2		1996 – 2	2000 – 0	
Period of study	Feb 1987 to Feb 2001				
Average Reduction Over 12 years = 97.1%					
Yearly Reductions					
1987 – 100%	1988 – 94%	1989 – 100%	1990 – 95%	1993 – 94%	1994 – 100%
1995 – 100%	1996 – 95%	1997 – 95%	1998 – 98%	1999 -- 94%	2000 – 100%

Control Section # 1 (without reflectors)

Location:	Iowa Rt. 76 RP: 11:58 – 13:0
Length of control section:	1.42 miles
Deer-vehicle after dark crash history prior to installation:	
Number of after dark crashes after installation:	1998 - 3, 1999 – 1, 2000 -- 4

Control section # 2 (without reflectors)

Location:	Iowa Rt. 76 RP: 8.08 – 9.5
Length of control section:	1.42 miles
Deer-vehicle after dark crash history prior to installation:	
Number of after dark crashes after installation:	1998 - 2, 1999 – 0, 2000 -- 5

Reflector Purchases

Initial Purchase	Subsequent Purchases					
1/87 - 158	10/87 - 260	5/88 - 200	3/89 - 180	8/89 - 60	2/90 - 20	2/91 - 20

Remarks: The deer are still present. If it were not for these reflectors installed since 1987, we would have over 400 collisions –Daryl Cooper, 1999

