

## Appendix B

### HEADLIGHTS-ON-PROGRAM

#### Criteria

1. Rural and suburban two way, two lane highways.
2. Having speed limit of 50 mph or greater.
3. Recommended minimum length of section be 10 miles.
4. Calculate the accident rate based on the formula:  
$$\text{Accident Rate} = \frac{(\text{Number of Accidents}) \times (1 \text{ Million})}{(\text{Section Length}) \times (\text{AADT}) \times (365 \text{ Days})}$$
5. Having an accident rate greater than statewide rate for two lane highways:  

Accident Rates		
Urban	Rural	
3.1	1.9	No Access Control
1.6	1.2	Partial Access Control
6. Experiencing increased number of daylight opposite direction accidents.
7. Fatality accidents should be reviewed for time of day, type of accident, roadway conditions and contributing circumstances.
8. Duration of study to be statistically significant set the minimum number of daytime accidents at 100.

Department will provide the county agency with the following data:

1. Historical accident data.
2. Annual average daily traffic (AADT).
3. Statewide accident rate for the type of highway.

County is responsible for the following:

1. Requesting the State Traffic Engineer (206-753-6090) for historical data on potential sites.
2. Analyzing locations with respect to criteria.
3. Providing the State Traffic Engineer with top one to two locations meeting the criteria.
4. Approved test sites, providing all necessary public awareness going to the public through the news media.

Department is responsible for the following:

1. Reviewing the counties recommended sites.
2. Reviewing the sites for other corrective treatments in lieu of headlights-on.
3. Approving sites and providing all necessary signing.
4. Checking the compliance of drivers turning headlights-on.
5. Collecting accident data for after conditions.
6. Determining the duration of the study.
7. Checking the affects on adjacent section of highways.
8. Reporting the finding of the study.



SPECIAL  
7'x3'  
6"D LETTERS  
LEGEND- BLACK (NON-REFL)  
BACKGROUND- YELLOW (REFL)  
MARGIN 1/2"  
BORDER 3/4"