

**GUIDELINES FOR DETERMINING THE OPERATIONAL STATUS
OF EXISTING LIGHTING SYSTEMS ON FREEWAY FACILITIES**

DATA COLLECTION - INTERCHANGES

GENERAL SITE INFORMATION

DATE:	ROADWAY:
COUNTY:	STUDY SITE LENGTH (miles):
DISTRICT:	
DATA COLLECTION PERSONNEL:	

INTERCHANGE - SPECIFIC INFORMATION

INTERCHANGE LOCATION:
LIGHTING TYPE: <input type="radio"/> MERCURY <input type="radio"/> SODIUM <input type="radio"/> OTHER
MAINLINE POLE CONFIGURATION:
MAINLINE POLE SPACING (ft):
WATTAGE:
SECTION LENGTH (miles):

INTERCHANGE LIGHTING ANALYSIS

BASE LIGHTING OPERATIONAL LEVEL CALCULATIONS (B.L.O.L.):

CONFIGURATION	TOTAL NUMBER	POINTS	TOTAL
GORE AREA		30	
TERMINAL AREA		20	
MAINLINE SEGMENTS		10	
CROSSROAD SEGMENTS		5	
RAMP SEGMENTS		15	
TOTAL			

ACTUAL LIGHTING OPERATIONAL LEVEL CALCULATIONS (A.L.O.L.):

CONFIGURATION	ACCEPTABLE OPERATIONS	POINTS	TOTAL
GORE AREA		30	
TERMINAL AREA		20	
MAINLINE SEGMENTS		10	
CROSSROAD SEGMENTS		5	
RAMP SEGMENTS		15	
TOTAL			

OPERATIONAL RATIO CALCULATIONS:

$$\text{O.R.} = \frac{\text{A.L.O.L.}}{\text{B.L.O.L.}} \quad \text{—————} =$$

< .90 THEREFORE

NOTE: The acceptable level for the O.R. is 0.90 or greater.

