F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(32, 47-4)K	KENDALL/GRUNDY	243	145
STA. _____		TO STA. _____		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 66294

1/1/03

ILLINOIS DEPARTMENT OF TRANSPORTATION
LUMINAIRE PERFORMANCE TABLE

GIVEN CONDITIONS

ROADWAY DATA:	Pavement Width	96 FT
	Number Of Lanes	8
	Median Width	10 FT
	IES Surface Classification	R3
	Q-Zero Value	0.07
TOWER DATA:	Mounting Height	100 FT
	Luminaire Count on Ring	6
	Twr Set-Back From Edge Of Pavement	40-60 FT
LUMINAIRE DATA:	Lamp Type	HPS
	Lamp Lumens	50,000
	IES Vertical Distribution	M
	IES Control Of Distribution	C
	IES Lateral Distribution	II
	Total Light Loss Factor	0.6
LAYOUT DATA:	Spacing	750 FT
	Configuration	Stagrd
	Luminaire Aiming Pattern	All 1 Direct'n

NOTE: Variations from the above specified IES distribution pattern may be requested and acceptance of variations will be subject to review by the Engineer based on how well the performance requirements are met.

PERFORMANCE REQUIREMENTS

NOTE: These performance requirements shall be the minimum acceptable standards of photometric performance for the luminaire, based on the given conditions listed above.

ILLUMINATION:	Average Horizontal Illumination, (E_{Ave})		9 Lux
	Uniformity Ratio, (E_{Ave}/E_{Min})		3.0
LUMINANCE:	Average Luminance:	(L_{Ave})	Cd/m^2
	Uniformity Ratios:	(L_{Ave}/L_{Min})	
		(L_{Max}/L_{Min})	
	Maximum Veiling Luminance Ratio:	(L_V/L_{Ave})	

1/1/03

ILLINOIS DEPARTMENT OF TRANSPORTATION
UNDERPASS LUMINAIRE PERFORMANCE TABLE

GIVEN CONDITIONS

ROADWAY DATA:	Pavement Width	24 FT
	Number Of Lanes	2
	Median Width	N/A FT
	IES Surface Classification	R3
	Q-Zero Value	0.07
LUMINAIRE LOCATION:	Mounting Height	16 FT
	Wall (W) or Overhead (O) Mount	W
	Lum Set-Back From Edge Of Pavement	12 FT
LUMINAIRE DATA:	Lamp Type	HPS
	Lamp Lumens	16,000
	IES Vertical Distribution	S
	IES Control Of Distribution	N
	IES Lateral Distribution	IV
	Total Light Loss Factor	0.6
LAYOUT DATA:	Spacing	45 FT
	Configuration	1 side only
	Luminaire Overhang Over Edge Of Pavement Lane	-12 FT

NOTE: Variations from the above specified IES distribution pattern may be requested and acceptance of variations will be subject to review by the Engineer based on how well the performance requirements are met.

PERFORMANCE REQUIREMENTS

NOTE: These performance requirements shall be the minimum acceptable standards of photometric performance for the luminaire, based on the given conditions listed above.

ILLUMINATION:	Average Horizontal Illumination, (E_{Ave})		17 Lux
	Uniformity Ratio, (E_{Ave}/E_{Min})		3.0
LUMINANCE:	Average Luminance:	(L_{Ave})	1.2 Cd/m^2
	Uniformity Ratios:	(L_{Ave}/L_{Min})	3.0
		(L_{Max}/L_{Min})	5.0
	Maximum Veiling Luminance Ratio:	(L_V/L_{Ave})	0.3

REVISIONS	
NAME	DATE
MJ	4-11-06

ILLINOIS DEPARTMENT OF TRANSPORTATION

LUMINAIRE PERFORMANCE TABLES

SCALE: VERT. HORIZ.

DATE

DRAWN BY

CHECKED BY

PLOT DATE = 4/10/2006
FILE NAME = $FILE$
PLOT SCALE = $SCALE$
USER NAME = $USER$

⚠ **ENTIRE SHEET REVISED 4-11-06 MJ**

PER ADDENDUM