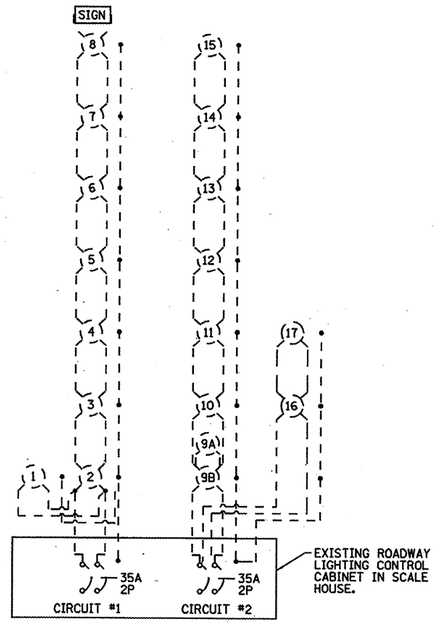
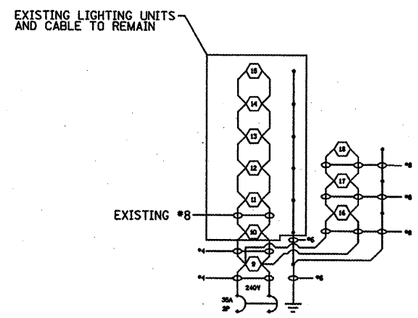
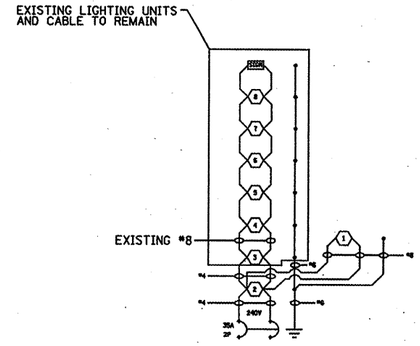


EXISTING WIRING DIAGRAM
(FOR INFORMATION ONLY)

NOTE:
LIGHTING AND ELECTRICAL DESIGN WAS PERFORMED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION.



LIGHTING CKT 1
EXISTING LIGHTING CONTROLLER IN SCALE HOUSE



LIGHTING CKT 2
EXISTING LIGHTING CONTROLLER IN SCALE HOUSE

NOTES:
1. ALL NECESSARY REVISIONS TO THE WIRING SHOWN ON THIS SHEET SHALL BE MADE AT NO ADDITIONAL COST TO THE DEPARTMENT AND TO THE SATISFACTION OF THE ENGINEER.
2. CONTRACTOR SHALL REUSE EXISTING CIRCUIT BREAKERS IN THE EXISTING LIGHTING CONTROLLER LOCATED IN THE SCALE HOUSE. THE COST OF THIS WORK, INCLUDING CONNECTION AND TERMINATION OF THE LIGHTING CIRCUITS, SHALL BE INCLUDED IN THE "UNIT DUCT, 600V, 2-1C NO.4, 1/C NO. 6 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE" PAY ITEM. NO ADDITIONAL PAYMENT SHALL BE MADE.

400W ROADWAY LUMINAIRE

EXISTING SIGN LIGHTING

To Existing Lighting Panel in the Scale House

2/18/2010

ILLINOIS DEPARTMENT OF TRANSPORTATION
LUMINAIRE PERFORMANCE TABLE
SOUTHBOUND WILLIAMSVILLE WEIGH STATION
Entrance, Exit and Interior Roadways

GIVEN CONDITIONS

ROADWAY DATA:	Pavement Width	35 FT
	Number Of Lanes	2
	Median Width	N/A
	IES Surface Classification	R3
	Q-Zero Value	.07
LIGHT POLE DATA:	Mounting Height	50 FT
	Mast Arm Length	N/A
	Pole Set-Back From Edge Of Pavement	20 FT
LUMINAIRE DATA:	Lamp Type	HPS
	Lamp Lumens	50000
	IES Vertical Distribution	L
	IES Control Of Distribution	NC
	IES Lateral Distribution	4
	Total Light Loss Factor	.684
LAYOUT DATA:	Spacing	445 FT
	Configuration	STAGGERED
	Luminaire Overhang Over Edge Of Pavement Lane	-20 FT

NOTE: Variations from the above spacified 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})	0.6 fc
	Uniformity Ratio, (E_{Ave}/E_{Min})	3.0
LUMINANCE:	Average Luminance: (L_{Ave})	0.4 Cd/m²
	Uniformity Ratios: (L_{Ave}/L_{Min})	3.5
	(L_{Max}/L_{Min})	6.0
	Maximum Veiling Luminance Ratio: (L_v/L_{Ave})	0.3

FOR INFORMATION ONLY

Rev.

FILE NAME = c:\pw_work\PWIDOT\LAUGHLINRL\d0187896\Z1626-010068I_Lighting.dgn	USER NAME = laughlinrl	DESIGNED - ERB	REVISED - DRR 02/22/10
		DRAWN - JJ	REVISED -
	PLOT SCALE = 120.0000 ' / IN.	CHECKED - PJM	REVISED -
	PLOT DATE = Feb-23-2010 09:41:56AM	DATE - 11/27/06	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING PLAN WIRING DIAGRAM

SCALE: | SHEET NO. 23 OF 36 SHEETS | STA. | TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	84-1-2WS-4	SANGAMON	36	23
		CONTRACT NO. 72D58		
	ILLINOIS FED. AID PROJECT			