ILLINOIS DEPARTMENT OF TRANSPORTATION 250W LUMINAIRE PERFORMANCE TABLE

GIVEN CONDITIONS

ROADWAY DATA:	Povement Width	32	Fĭ		
	Number Of Lanes (In Direction of Travel)	2			
	Median Width	N/A			
	IES Surface Classification		R3		
	O-Zero Value		.07		
LIGHT POLE DATA:	Mounting Height	45	FT		
	Mast Arm Length	15	FT		
	Pale Set-Back From Edge Of Pavement	20	FT		
LUMINAIRE DATA:	Lamp Type	HPS			
	Lamp Lumens	28500			
	IES Vertical Distribution	М			
	IES Control Of Distribution	FC			
	IES Lateral Distribution	3			
	Total Light Loss Factor	0.68	0.684		
LAYOUT DATA:	Spacing	210	FT		
	Configuration	0ne	One Side		
	Luminaire Overhang Over Edge				
æ	Of Povement Lane	~5	FŢ		

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 luminoire, based on the given conditions listed above.

ILLUMINATION:	Average Horizontal Uniformity Ratio,	6. 0 3. 0	Lux	
LUMINANCE:	Average Luminance:		0. 4 3. 5	Cd/m2
	Uniformity Ratios:	(LMax/LMin)	6.0	
	Maximum Velling			
	Luminance Rotio:	(Lv/LAve)	0.30	

LIGHTING GENERAL NOTES

- 1. ALL PROPOSED, EXISTING TO REMAIN, AND RELOCATED LIGHTING UNITS SHALL BE LABELED ACCORDING TO THE STANDARD SPECIFICATIONS, WITH POLE NUMBERS ATTACHED WITH STAINLESS STEEL BANDING. LIGHTING UNIT NUMBERING SHALL BE AS DIRECTED BY THE ENGINEER.
- 2. LIGHT POLE FOUNDATIONS SHALL BE INSTALLED PLUMB AND FLUSH WITH THE PROPOSED GRADE AND SHALL MEET THE HEIGHT REQUIREMENTS OF ARTICLE 836.03 OF THE STANDARD SPECIFICATIONS. AFTER UNIT DUCT IS INSTALLED, FOUNDATIONS SHALL BE FILLED WITH FINE AGGREGATE ACCORDING TO ARTICLE 836.03. WASHERS USED TO INSTALL THE POLE SHALL BE LARGE ENOUGH TO FULLY COVER THE SLOTTED HOLES IN THE POLE BASE PLATE. THE VOIDS ON THE BOTTOM SIDE OF THE ALUMINUM POLE BASE MUST BE SEALED FROM RODENT ENTRY WITH STAINLESS STEEL SCREEN.
- INSTALL HORIZONTAL MOUNT LUMINAIRES PERPENDICULAR TO THE CENTERLINE OF THE ROADWAY AS REQUIRED BY ARTICLE 821.04 OF THE STANDARD SPECIFICATIONS.
- 4. ALL EXISTING LIGHTING SHALL REMAIN OPERATIONAL DURING NIGHTTIME HOURS WHENEVER THE WEIGH STATION IS OPEN TO TRAFFIC.
- NO POLE TO BE INSTALLED IN THE FLOWLINE OF DITCH. POLE SETBACK TO BE INCREASED IF NECESSARY AS DIRECTED BY THE ENGINEER.
- CONTRACTOR SHALL VERIFY THAT EXISTING LIGHT POLE BASES, BOLT SLOTS, AND ANCHOR BOLTS ARE COMPATIBLE WITH PROPOSED METAL FOUNDATIONS AND BREAKAWAY COUPLINGS, AS APPLICABLE.
- UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT SHALL BE SCHEDULE 80
 AS NOTED IN THE PLANS.
- 8. THE CONTRACTOR SHALL FURNISH AND INSTALL BREAKAWAY COUPLINGS FOR ALL PROPOSED, RELOCATED, AND EXISTING LIGHTING UNITS TO REMAIN IN PLACE, WITH THE EXCEPTION OF LIGHTING UNITS 11, 12, AND 13 AS SHOWN ON THE PROPOSED LIGHTING PLANS. EXISTING BREAKAWAY COUPLINGS AND APPURTENANT HARDWARE SHALL BE DISPOSED OF ACCORDING TO ARTICLE 202.03, AND THE COST OF THIS WORK SHALL BE INCLUDED IN THE BREAKAWAY COUPLING PAY ITEM.
- 9. THE CONTRACTOR SHALL REMOVE AND REPLACE LUMINAIRES, LAMPS, BALLASTS, POLE WIRE, SURGE ARRESTERS, FUSEHOLDERS, AND FUSES FOR ALL RELOCATED LIGHTING UNITS AND EXISTING LIGHTING UNITS TO REMAIN IN PLACE, WITH THE EXCEPTION OF EXISTING LIGHTING UNITS 12 AND 13 AS SHOWN ON THE PROPOSED LIGHTING PLANS. THIS WORK SHALL BE ACCORDING TO ARTICLE 821 OF THE STANDARD SPECIFICATIONS. ALL REMOVED MATERIALS SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF ACCORDING TO ARTICLE 202.03. THE COST OF THIS WORK SHALL BE INCLUDED IN THE LUMINAIRE PAY ITEM.

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