



# Illinois Department of Transportation

2300 South Dirksen Parkway / Springfield, Illinois / 62764

February 22, 2018

SUBJECT: FAP Route 662 & 753 (IL 4 & IL 104)  
Project STP-MZTC(794)  
Section (C)RS-10,N(139,140)RS-4,I-1  
Sangamon County  
Contract No. 72C16  
Item No. 41, March 9, 2018 Letting  
Addendum A

## NOTICE TO PROSPECTIVE BIDDERS:

Attached is an addendum to the plans or proposal. This addendum involves revised and/or added material.

1. Added page 21A to the Special Provisions
2. Revised sheets 1, 2, and 3 of the Plans
3. Added sheets 115A and 115B to the Plans

Prime contractors must utilize the enclosed material when preparing their bid and must include any changes to the Schedule of Prices in their bid.

Very truly yours,

Jack A. Elston, P.E.  
Acting Bureau Chief  
Bureau of Design and Environment

A handwritten signature in black ink, appearing to read 'Ted B. Walschleger' with a small 'P.E.' to the right.

By: Ted B. Walschleger, P. E.  
Engineer of Project Management

cc: Jeff South, Region 4, District 6; Tim Kell; Estimates

CWR/ck

**ILLINOIS DEPARTMENT OF TRANSPORTATION**  
**LUMINAIRE PERFORMANCE TABLE**  
 Isolated Intersection

<b>GIVEN CONDITIONS</b>		
<b>ROADWAY DATA</b>	Lane Width	12 ft
	Number of Lanes (in each direction)	2
	Median Width	0 ft
	I.E.S. Surface Classification	R3
	Q-Zero Value	.07
<b>LIGHT POLE DATA</b>	Mounting Height	45 ft
	Mast Arm Length	15 ft
	Pole Set-Back From Edge of Pavement	15 ft
<b>LUMINAIRE DATA</b>	Luminaire Type	LED
	I.E.S. Vertical Distribution	Medium
	BUG Rating	U = 0
	I.E.S. Lateral Distribution	Type III
	Total Light Loss Factor	0.684
<b>LAYOUT DATA</b>	Spacing	230 ft
	Configuration	Staggered

- NOTES:**
- Variations from the above specified I.E.S. distribution may be requested and will be subject to review by the Engineer.
  - Total light loss factor is the product of "Lumen Depreciation" (LLD) = 0.90, "Dirt Depreciation" (LDF) = 0.80, and "Equipment factors" (EF) = 0.95.
  - A Lumen Depreciation value greater than 0.90 for LED light sources shall be based upon I.E.S. LM-80 or I.E.S. LM-84 and I.E.S. TM-21 test reports.

<b>PERFORMANCE REQUIREMENTS</b>		
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**NOTE:** These performance requirements shall be the minimum acceptable standards of photometric performance for the luminaire, based on the given conditions listed above.

<b>ILLUMINANCE</b>	Average Illuminance, $E_{AVE}$	0.9 fc
	Uniformity Ratio, $E_{AVE}/E_{MIN}$	3.0:1
	Max. Veiling Luminance Ratio, $L_V/L_{AVE}$	0.3:1

Added 2-22-18