



NOTES:

1. All lighting equipment used in this installation, such as lighting cable, or luminaires shall be in conformance with CMS 625 and 725. However, the performance test of 625.19F and the working drawing requirements of 625.06 are waived. Used equipment is acceptable.
2. Poles shall be set back as follows:
 - a) Lighting poles which are not located behind existing guardrail or portable barrier (PB) shall be set back beyond the clear zone, preferably a minimum of 40' from edge of nearest traveled lane.
 - b) When located behind existing guardrail or PB, light poles shall be a minimum of 6.5' from the face of guardrail or PB to face of pole.
 - c) Any poles provided for power service shall be set back at least as far as the lighting poles.
3. A photocell shall turn on the lighting system when ambient illumination is below 3 foot-candles.
4. Wiring shall be as follows:
 - a) All overhead wiring shall be #4 AWG minimum.
 - b) Down guy anchors shall be provided at both ends of overhead spans.
 - c) All wiring crossing the roadway shall have a minimum clearance of 20'.
 - d) No overhead wiring shall be attached to unprotected breakaway poles in the clear zone.
5. Light pole spacing:
 - a) Lighting units will be spaced at 330' intervals.
 - b) The first 330' space should be centered on the point of reverse curve (PRC).
 - c) Additional 330' spaces and pairs of lights will be added in each direction to 100' beyond the PC or PT.
 - d) If the distance between two adjacent crossover lighting systems is less than 1500', install additional units as required to achieve full lighting between crossovers.
6. The aiming vector shall be directed to the center of the roadway located on the far side of the median.
7. Power for the crossover lighting system shall be provided by the Contractor. ODOT power shall not be used to power the work zone lighting system.
8. Standard Construction Drawing (SCD) MT-95.70 or MT-95.71 or Plan Insert Sheet 209572 or 209573 shall be used with this drawing.
9. SCD MT-101.70 shall be used with this this drawing if PB is used.
10. Basis of payment:
 - a) The work shall include all labor, equipment, materials, electrical energy and payment of fees necessary to arrange and install the electrical service, and to erect, maintain, operate and subsequently remove the lighting for each CMS 614 "Work Zone Crossover Lighting System" for a pair of crossover ramps.
 - b) Continuous lighting, if required, will be included in the adjacent Crossover Lighting System.

LEGEND



TABLE II

SPEED LIMIT (MPH)	CLEAR ZONE WIDTH (E) (FT)
35	15
40	15
45	19
50	19
55	23
60	30
65	30
70	30

THIS DRAWING REPLACES MT-100.00 DATED 07-19-2013.

STANDARD ROADWAY CONSTRUCTION DRAWING

WORK ZONE CROSSOVER LIGHTING SYSTEM

OFFICE OF ROADWAY ENGINEERING

STATE ENGINEER

Soisson

STATE OF OHIO DEPARTMENT OF TRANSPORTATION ADMINISTRATOR

David L. Holstein

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MT-100.00

SCD NUMBER

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