

761—136.1(306,318) Lighting of primary-secondary intersections. The purpose of this rule is to establish the qualification criteria for, the procedures to request, and the financial responsibilities for the placement of roadway luminaires within the limits of the primary road right-of-way at a rural intersection of a primary road and a paved secondary road.

136.1(1) Lighting criteria. A primary-secondary intersection is a candidate for lighting if one of the following is met:

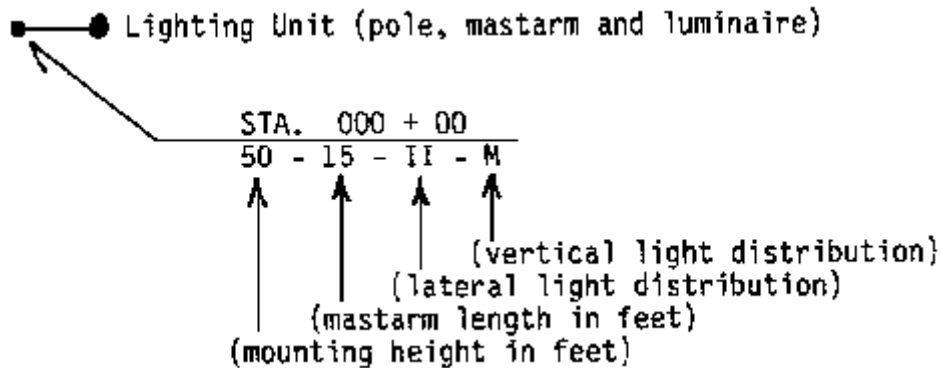
- a. The night-to-day accident rate ratio is 2.0 or greater with a minimum of three reportable nighttime accidents in a 12-month period.
- b. Substantial lighted commercial or business development that is affecting operations exists adjacent to the intersection.
- c. Motorists are experiencing operational problems which might be expected to be reduced by lighting.
- d. The current average daily traffic (ADT) is 3500 entering vehicles for the intersection and:
 - (1) The intersection is channelized or “T,” or
 - (2) A change in the direction of the major route occurs.

136.1(2) Reserved.

136.1(3) Procedures.

a. A request for lighting shall be made by the county to the appropriate district engineer. The request shall indicate the type and size of luminaires proposed, sight distance measurements and posted speed. If the county is requesting that the department participate in the installation costs as a C-STEP (County-State Traffic Engineering Program) project, this should be indicated in the request. A lighting plan shall accompany the request showing:

- (1) The complete dimensions of the intersection including pavement and shoulders.
- (2) The locations of proposed luminaires and poles.
- (3) The mounting heights, mast arm lengths, lateral and vertical light distributions of proposed luminaires and the approximate location for electrical service.



b. The district engineer shall forward the request to the department’s traffic and safety bureau for review.

c. If design requirements are satisfied, the department shall approve the lighting installation.

(1) The county shall be responsible for designing and installing the lighting and for all future energy and maintenance costs.

(2) If the location qualifies for lighting installation and if funds are available, the department shall share the installation costs on the basis of the current C-STEP participation ratio.

(3) If the department does not share the installation costs but the county wishes to install the lighting, the county shall be responsible for the installation costs.

d. If the department will share the installation costs, the department shall prepare an agreement for departmental and county approval.

This rule is intended to implement Iowa Code sections 306.4(1), 318.1, 318.2, 318.4, 318.5, 318.8, 318.9 and 318.12.

[ARC 5492C, IAB 3/10/21, effective 4/14/21]