

CHAPTER 143
TRAFFIC SIGNAL COORDINATION

Chapter rescission date pursuant to Iowa Code section 17A.7: 5/20/31

761—143.1(364) Definitions.

“*Arterial street*” means any U.S. or state numbered route, controlled access highway, or other major street or highway designated by the city within its respective jurisdiction as a part of a major arterial system of streets or highways.

“*Coordination*” means the establishment of a timing relationship between adjacent traffic signals.

“*Traffic signal*” means any permanently installed, electrically powered traffic control device by which traffic is alternately directed to stop and to proceed.

“*Traffic signal system*” means two or more traffic signals operating in a coordinated manner.

[ARC 0212D, IAB 4/15/26, effective 5/20/26]

761—143.2(364) Applicability. This chapter applies to all cities with more than three traffic signals within the corporate limits.

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761—143.3(364) Conditions.

143.3(1) Unless a traffic engineering study documents that it is not practical, traffic signals within one-half mile of each other along an arterial street or in a network of intersecting arterial streets shall be operated as a traffic signal system.

143.3(2) Traffic signal timing and operational plans are to be developed by the application of traffic engineering principles to provide maximum traffic flow efficiencies and safety for all users.

143.3(3) All traffic signal installations and operations are to comply with the department’s traffic control device manual.

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761—143.4(364) Contact information. Information regarding this chapter is available from: Traffic and Safety Bureau, Iowa Department of Transportation, 800 Lincoln Way, Ames, Iowa 50010. Additional information and guidance may be found at www.iowadot.gov/consultants-contractors/traffic-safety/document-resource-library/traffic-safety-manual.

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These rules are intended to implement Iowa Code section 364.24.

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