

**SECTION 7.0**  
**STAGE CONSTRUCTION AND**  
**MAINTENANCE OF TRAFFIC**

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**7.1 INTRODUCTION**

Stage construction and traffic maintenance should be designed to maintain an acceptable level of service through the corridor at all times. It is expected that during preparation of final construction plans, traffic control will be refined to minimize costs and delays. All traffic control signing and related work would conform to applicable highway standards and the "Illinois Manual on Uniform Traffic Control Devices."

The following sequence of construction is a concept and is not inclusive of all the requirements to construct each stage. The construction sequences indicated simply state work to be done and are not intended to include all of the individual construction items.

It is anticipated that each construction section will take a minimum of one construction season. Some construction sequences will temporarily disrupt traffic flows and prohibit certain traffic movements. Temporary entrances will be required during construction at various location throughout the project. Temporary median crossovers for entrances should be addressed in the preparation of construction plans.

Funding and programming will dictate the actual locations and number of construction sections under contract at any given time. If funding exists, multiple sections could be constructed simultaneously.

**7.2 STAGE CONSTRUCTION**

The construction of the project will be staged to provide useable segments. It is anticipated the entire project will be constructed over several construction seasons. The Illinois Commerce Commission has indicated that if they agree to provide funding for construction of the railroad overpass they would fund all stages necessary to complete the overpass from logical termini to logical termini (Market Street to Lincoln Avenue).

Construction of useable segments will be divided into construction phases. The sequence of construction for all segments and phasing will be as follows:

Stage 1 - Interstate 57 to Lincoln Avenue (combination of the Olympian Drive Project and a portion of the Beaver Lake Drainage Project)

Construct grading and drainage structures for a four-lane section from Interstate 57 to Lincoln Avenue.

Construct the two eastbound lanes of pavement and shoulders from Interstate 57 to Market Street.

Stage 2 - Market Street to Lincoln Avenue

Construct the two eastbound lanes of pavement from Market Street to Lincoln Avenue, including the structure across the ICRR.

Stage 3 - Lincoln Avenue to U.S. 45

Construct grading and drainage structures for a four-lane section from Lincoln Avenue to U.S. 45.

Construct the two eastbound lanes of pavement from Lincoln Avenue to U.S. 45.

Stage 4 - Interstate 57 to Lincoln Avenue

Construct the two westbound lanes of pavement and shoulders from Interstate 57 to Lincoln Avenue, including the structure across the ICRR.

Stage 5 - Lincoln Avenue to U.S. 45

Construct the two westbound lanes of pavement and shoulders from Lincoln Avenue to U.S. 45.

Stage 6 - Mattis Avenue Intersection

Reconstruct the Mattis Avenue intersection including widening on Olympian Drive.

Any of the stages could be interchanged depending upon the rate and location of development in the project corridor.

Stage 1 includes earthwork to Lincoln Avenue since embankment material for the entire grade separation structure will be taken from the stormwater detention pond located west of the ICRR tracks. It will be necessary to obtain a permit from the ICRR for a haul road and temporary crossing of the ICRR tracks.

It is anticipated that the crossroads will also be constructed in stages. Stages 1, 2, and 3 will include all of the earthwork and two lanes of crossroad pavement. The remaining pavement and traffic signals will be constructed during stages 4 and 5.

### **7.3 MAINTENANCE OF TRAFFIC DURING CONSTRUCTION**

Existing Olympian Drive would be closed during construction. Low-volume roads that intersect with the new construction and require improvements, realignment or resurfacing would be closed to traffic during construction. Traffic will use alternate routes until construction of the crossroad is complete. Construction should be staged in such a way as to keep either Prospect Avenue or Market Street open at all times during construction to reduce the inconvenience to local traffic and to minimize adverse travel.

Existing State, County, and Township right-of-ways would be used for the construction of the new facility along various stretches of the improvement. On roadways where construction operations are adjacent to traffic lanes or where traffic needs to be diverted around the construction operations, safety devices would be provided by the contractor.

At all locations where construction operations interfere with maintaining existing traffic or private property access, the utilization of traffic control devices would be provided in accordance with the following:

1. Manual on Uniform Traffic Control Devices
2. Illinois Department of Transportation Highway Standards
3. Traffic control plans included with the construction contract documents.

The contractor for each construction project would be governed by Section 107 "Legal Relations and Responsibility to the Public" Article 107.14 "Temporary Traffic Control Devices" in the Standard Specifications for Road and Bridge Construction. This document would require each contractor to provide for safe and convenient public travel.