

2 US 51 and Commercial Avenue/Lexington Avenue: Three-Legged Interchange



Concept Overview:

- Proposed bridges over the existing railroad and Commercial Avenue allowing NB and SB Shoughton Road to be free-flow movements without stopping
- Realignment of the Stoughton Road / Commercial Ave intersection to the north as a 3-leg signalized intersection
- Lexington Avenue and N. Stoughton Service Road intersection becomes a 3-leg intersection

Pros

- Maintains all commercial driveways (access relocation may be necessary)
- Provides bridge over railroad
- Provides safer bicyclist and pedestrian crossing of US 51 under bridges with fewer conflict points*
- N. Stoughton Service Road connection to Lexington maintained

Cons

- Requires property acquisition
- Lowers the speed along Commercial Avenue under US 51
- Creates an intersection close to the railroad
- Requires high voltage ATC utility relocations

Non-typical movements

*Conflict points define situations where vehicles, bicycles, and/or pedestrians intersect at a point in space.

Grade separated intersection, bridges required for this concept alternative. Railroad south of intersection is being investigated for potential high-speed rail. Number of lanes, length of turn lanes, and other geometric elements are conceptual and may not reflect final design.

