



**Notes:**

1. *L* is the required acceleration length as shown in Figures 48-4D and 48-4E.  
*L* = 180 m minimum.
2. A parallel-lane design should be used at multi-lane entrances. The design details are similar to those for a single-lane entrance. See Figure 48-4C and the INDOT Standard Drawings.

**MULTI-LANE ENTRANCE RAMP  
(Service Interchanges)**

Figure 48-4G