APPROXIMATE MODELING OF RAMPS FOR DESIGN

- Model the ramp as a straight member of uniform thickness with adjusted length as shown in (b).
- Detail the tendon in the prototype (a) according to the eccentricities obtained from the analysis model.
Add reinforcement at the bent as shown below.

**Approximate modeling of ramps for design**

Add 3#4 (12mm) bars per 0.5 inch (13mm) tendon

Added reinforcement at bent

**Added Reinforcement at Angle Change in Slab**