



ATTACHMENT 1

# 15-14 LOADS FOR TEMPORARY HIGHWAY STRUCTURES

	Over Vehicular and/or Pedestrian Traffic	Not Over Vehicular or Pedestrian Traffic
<b>Structures Carrying Non-Vehicular Loads Only</b>	<ol style="list-style-type: none"> <li>1. Vertical loads - same as for pedestrian overcrossings plus any special equipment loads requested by the Contractor.</li> <li>2. Lateral loads in both the longitudinal and transverse direction - the larger of: <ol style="list-style-type: none"> <li>a. Construction staging.</li> <li>b. Load combinations listed in the Department's Falsework Manual.</li> <li>c. Design Seismic Hazard as described in MTD 20-2.</li> </ol> </li> </ol>	<ol style="list-style-type: none"> <li>1. Vertical loads - same as for pedestrian overcrossings plus any special equipment loads requested by the Contractor.</li> <li>2. Lateral loads in both the longitudinal and transverse direction - the larger of: <ol style="list-style-type: none"> <li>a. Construction staging.</li> <li>b. Load combinations listed in the Department's Falsework Manual.</li> <li>c. 10% dead load, factored by 1.0 and applied at the center of gravity.</li> </ol> </li> </ol>
<b>Haul Bridges (Structures Supporting Construction Equipment)</b>	<ol style="list-style-type: none"> <li>1. Vertical-dead loads with anticipated vehicular load combinations, including any special equipment loads. See MTD 15-15 on Material Hauling Equipment loads, or MTD 15-16 on construction equipment loads.</li> <li>2. Lateral loads in the longitudinal direction (parallel to the centerline of structure) - the larger of: <ol style="list-style-type: none"> <li>a. Braking force - 15% LL applied 6 ft above deck surface.</li> <li>b. Design Seismic Hazard as described in MTD 20-2.</li> </ol> </li> <li>3. Lateral loads in the transverse direction (perpendicular to centerline of the structure) - the larger of: <ol style="list-style-type: none"> <li>a. Design Seismic Hazard as described in MTD 20-2.</li> <li>b. Load combinations listed in the Department's Falsework Manual.</li> </ol> </li> </ol>	<ol style="list-style-type: none"> <li>1. Vertical - dead loads with anticipated vehicular load combinations, including any special equipment loads. See MTD 15-15 on Material Hauling Equipment loads, or MTD 15-16 on construction equipment loads.</li> <li>2. Lateral loads in the longitudinal direction (parallel to the centerline of structure) - the larger of: <ol style="list-style-type: none"> <li>a. Braking force - 15% LL applied 6 ft above deck surface.</li> <li>b. 10% dead load, factored by 1.0 and applied at the center of gravity.</li> </ol> </li> <li>3. Lateral loads in the transverse direction (perpendicular to centerline of the structure)-the larger of: <ol style="list-style-type: none"> <li>a. 10% dead load, factored by 1.0 and applied at the center of gravity.</li> <li>b. Load combinations listed in the Department's Falsework Manual.</li> </ol> </li> </ol>