HAZARD MITIGATION

1. USE CONSTRUCTION CLEAR ZONE DISTANCE IDENTIFIED IN TABLE 1 WITH DETAIL "AA" TO MITIGATE THE FOLLOWING HAZARDS:
   A. Non-working equipment
   B. Stockpiled material
   C. Vehicles and workers (non-flaggers)
   D. Other objects & construction features
   E. Vertical drop-off less than 1200 mm or slopes steeper than 1/4

2. MITIGATE ALL OTHER HAZARDS OR DROP-OFFS GREATER THAN 1200 mm WITHIN APPROVED CLEAR ZONE AS APPROVED BY THE REGION TRAFFIC ENGINEER.

DETAILED "AA"

TAPER, BUFFER ZONE & SIGN SPACING CHART

<table>
<thead>
<tr>
<th>POSTED SPEED MPH</th>
<th>MINIMUM TAPER LENGTH &quot;T&quot;</th>
<th>MINIMUM SIGN SPACING &quot;S&quot;</th>
<th>USE ONE 120-WATT FLASHER</th>
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<tr>
<td>35 and 30</td>
<td>55</td>
<td>187</td>
<td>15</td>
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</table>

1. TAPER FORMULAS
   a) LANE TAPER LENGTH IN METERS
   \[ L = 5V \times (45 MPH) + L \times V \times 3 (10 MPH) \]
   \[ V = \text{speed in miles per hour} \]

   b) LANE TAPER SHOULDER CLOSURE
   \[ \text{SHAPE} \]

2. CHANNELIZING DEVICES
   a) LANE BUFFER ZONE SHALL CONSIST OF A MINIMUM OF 1 DEVICE PER 60.3 M OF LANE CLOSED WITH AN ADDITIONAL DEVICE TO START TAPER.
   \[ \text{DISTANCE FROM END OF LANE CLOSURE} \]
   \[ \text{TAPER TO WORK AREA} \]
   \[ \text{OR ANY OBSTRUCTION PRIOR TO WORK AREA} \]

TRAFFIC CONTROL DEVICE LEGEND

- SIGN (PORTABLE OR FIXED)
- CHANNELIZING DEVICE
- PLASTIC DRUMS
- FLAGGING STATION
- ADVANCE WARNING ARROW PANEL
- BARRIER
- DIRECTION OF TRAFFIC
- TYPE III BARRICADE
- DIRECTION OF WORK VEHICLE

ALL DIMENSIONS ARE SHOWN IN METERS (M). UNLESS OTHERWISE NOTED.