GENERAL NOTES:

1. The location of channelizing devices and the work area layout shall be based on the criteria in the following table:

<table>
<thead>
<tr>
<th>POSTED SPEED AND/OR DESIGN SPEED</th>
<th>MAXIMUM CHANNELIZING DEVICE SPACING (FT)</th>
<th>MINIMUM LONGITUDINAL BUFFER SPACE (FT)</th>
<th>TAPER + RATES</th>
</tr>
</thead>
<tbody>
<tr>
<td>mph</td>
<td>ft</td>
<td>ft</td>
<td>ft</td>
</tr>
<tr>
<td>40</td>
<td>30</td>
<td>15</td>
<td>50</td>
</tr>
<tr>
<td>45</td>
<td>40</td>
<td>20</td>
<td>45</td>
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<tr>
<td>50</td>
<td>50</td>
<td>20</td>
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</tr>
<tr>
<td>55</td>
<td>60</td>
<td>30</td>
<td>35</td>
</tr>
<tr>
<td>60</td>
<td>70</td>
<td>40</td>
<td>30</td>
</tr>
<tr>
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<td>80</td>
<td>45</td>
<td>25</td>
</tr>
<tr>
<td>70</td>
<td>90</td>
<td>50</td>
<td>20</td>
</tr>
</tbody>
</table>

* NOTE: TAPER RATES ARE DETERMINED USING THE FOLLOWING EQUATIONS:

1. FOR SPEEDS OF 45 MPH OR GREATER

2. FOR SPEEDS OF 40 MPH OR LESS

* L = WS FOR SPEEDS OF 45 MPH OR GREATER

* L = WS²/60 FOR SPEEDS OF 40 MPH OR LESS

* WHERE:

* L = MINIMUM LENGTH OF TAPER IN FEET

* W = WIDTH OF OFFSET (USUALLY LANE WIDTH) IN FEET

* S = DESIGN SPEED OR 85TH PERCENTILE SPEED IN MILES PER HOUR

2. Flashing arrow panel shall be as level as possible as approved by the engineer. Flashing arrow panel should be located at the beginning of the taper or if the shoulder is too narrow, beyond the channelizing devices in the closed lane.

3. Channelizing device types for:

A. Approach taper - ReflectORIZED PLASTIC DRUMS

B. Along lane line and work zone - TRAFFIC CONES (28' HEIGHT)

C. Exit taper - TRAFFIC CONES (28' HEIGHT)

4. When there is no existing hazard, all signs shall be covered or removed and the drums shall be moved to the shoulder edge at the end of the work day.

5. For moving operations the contractor shall have two (2) sets of advance warning signs, plastic drums, and arrow board. When the construction zone is moved ahead, all signs, plastic drums and arrow board shall be in place on the second zone before removing any signs, plastic drums or arrow board on the first zone.

6. All traffic control items shown on this sheet will not be measured for separate payment. This work is to be included in the price bid for maintenance of traffic.

7. Diamond shaped traffic control signs shall be a minimum of 48" x 48".

* THE LEGEND ON W13-1 (XX MPH) SUPPLEMENTAL PLATE SHALL BE 10 MPH LESS THAN THE POSTED SPEED LIMIT.

* REFLECTORIZED FREE-STANDING PLASTIC DRUMS

* TRAFFIC CONES (28' HEIGHT)

* OR AS SHOWN ELSEWHERE OF THE PLANS.