



**LEGEND**

- Traffic Sign
- Type III Barricade
- Temporary Floodlighting
- Type 'B' High-Intensity Flashing Warning Light
- Traffic Signal
- Direction of Traffic

SPEED LIMIT (mph)	A (m)
35 or less	75
40 - 50	105
55	150

Traffic signals shall be span-wire mounted, two direction type, push-button actuated and of approved design. The signal system must be preprogrammed with fixed yellow and all red time periods so the operator can only activate the beginning of the yellow interval for mainline traffic.

Signal timing shall be as follows: For traffic from all directions, the yellow indication shall be approximately 5 seconds and the all-red clearance interval shall be approximately 2 seconds. The minimum green interval on the main road shall be 20 seconds. The green interval for haul road traffic shall be set at 12 seconds but may be extended up to a maximum of 30 seconds.

When the equipment crossing is not in use, the signal shall be set to yellow flash mode. If hauling operations are suspended for more than one week, the signal heads shall be covered.

- ① Stop bars shall be located 25 meters in advance of each lane's nearest signal head.
- ② Required only if haul road is used during nighttime hours.
- ③ When the equipment crossing is not in use, Type III barricades shall be placed as shown, and SIGNAL AHEAD and STOP HERE ON RED signs shall be covered.

Contract Items:  
 Traffic Control  
 Temporary Floodlighting  
 Temporary Traffic Signals  
 Painted Pavement Markings  
 Pavement Markings Removed

Tabulations:  
 108-27  
 108-28

All dimensions given in millimeters unless noted.

<b>M</b> <b>METRIC VERSION</b>	 <b>Iowa Department of Transportation</b>	REVISION NEW   10-17-06
		<b>TC-271</b>
	<b>STANDARD ROAD PLAN</b> <small>REVISIONS: Replaces RS-15.</small>	
	 <small>APPROVED BY DESIGN METHODS ENGINEER</small>	
<b>SIGNALIZED EQUIPMENT CROSSING</b>		