



**DO WE REALLY HAVE
SAFE CONSTRUCTION
WORK ZONES IN INDIA?**

Road Accident Status In India

- 17 deaths on Indian roads every hour and almost over 400 every day
- Road accidents shave off 3% of the country's GDP every year
- More than half of the people killed in the road accidents are aged between 15 and 34 years
- Although national highways account for only 2.5% of India's road length, they accounted for 29.6% of road accidents and 34.5% of road-mishap deaths nationwide in 2016

With increasing road construction in India there is a high risk of work zone fatalities. Construction work zone accident data in India is not well documented but it is an area that needs high attention.

Current Situation:

Lack of advance warning signages and traffic management devices at work zone areas

Use of sub-standard reflective sheeting which is not effective in guiding road users



Use of non-standard road device. Devices without reflectives are ineffective



Use of Non - Reflective sign board amounts to be feckless in critical areas



Use of Sub-Standard reflective sheets are ineffective on roads and fail to assist commuters

IRC:SP:55- Guidelines on Traffic management in Work Zones states construction zones require devices that provide the appropriate warning, delineation, and channelization to the road user. The **construction work zone** needs more sign boards and devices than that being used for a normal highway to convey site conditions. Traffic control devices are broadly divided as -

a. Road Signs

b. Channelizing Devices

c. Lighting Devices

Road signs in WTMP (Work Zone Traffic Management Plan) are sub-divided as:

- Regulatory
- Warning
- Informatory/Guide signs which are further categorized

Work Zone Traffic Management Plan (WTMP) Sign Board Categories (Fig 5.1 from IRC:SP:55)


	Category	Colour	Shape	Examples
Regulatory/ Mandatory	Normal Regulatory (NR) Signs	As given in IRC:67-2012	Circular	
	Work Zone Regulatory (NR) Signs	Red & White	Rectangular	
Warning Sign	Normal Warning (NW) Signs	As given in IRC:67-2012 but in yellow background	Triangular	
	Work Zone Warning (WW) Signs	Black & Yellow	Rectangular	
Informatory Signs	Work Zone Information Signs (IS)	Black & Yellow	Rectangular	
	Work Zone Direction Signs (DS)	Black & Yellow	Rectangular	

Fig 5.1

Safety is priceless. Join Avery Dennison's safety revolution campaign!

"Let's make the Construction Work Zone Safe"

Avery Dennison, a global road safety expert provides high-quality reflective for work zones in the form of below products:

- Reflective sheeting for work zone signages
- Reflective material for cones, spring posts, and other devices
- Portable roll-up sign stand
- Delineators and road studs
- Safety jackets for workers



All our Construction Work Zone products comply with the requisite IRC, MORTH and ASTM standards.

For more details please get in touch with our team or mail us at reflectives.india@ap.averydennison.com

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