



# Fundamental of Crash Investigation

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1. TYPE OF TIRE MARK
2. TYPE OF ROAD SCAR
3. TYPE OF DEBRIS





# SKID MARK

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# Type of Tire Mark: Skid Mark



1. Slide no roll
2. braking
3. Equally strong for right and left tire
4. Front stronger
5. Width same as tire
6. Usually abrupt
7. Length 1m to 80m

# Type of Tire Mark: Skid Mark



Skid mark from two tires



# Type of Tire Mark: Skid Mark



Unequal length of skid mark

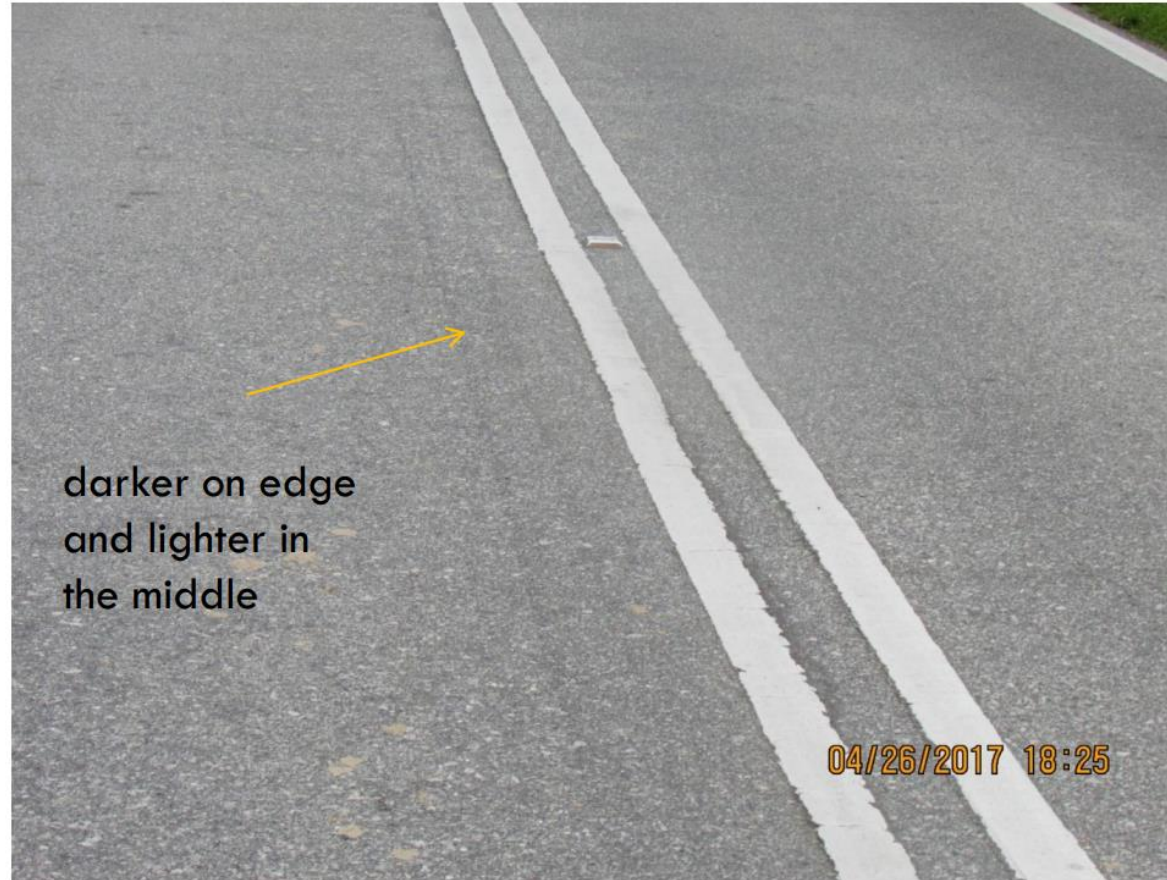
# Type of Tire Mark: Skid Mark



Over deflection tire mark-either under inflated over inflated due to loading



# Type of Tire Mark: Skid Mark



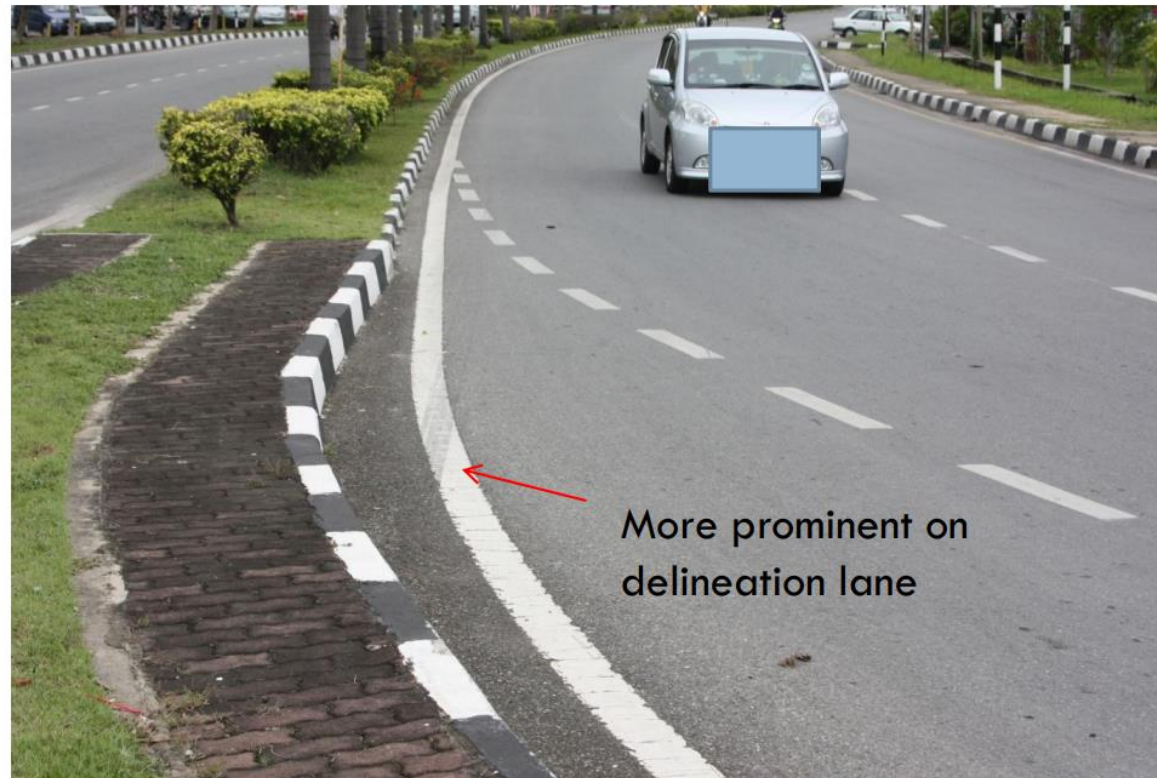
# Type of Tire Mark: Skid Mark

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# Type of Tire Mark: Skid Mark



# Type of Tire Mark: Skid Mark





# Type of Tire Mark: Skid Mark





YAW  
MARK

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# Type of Tire Mark: Yaw Mark

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Yaw Mark



Skid Mark

# Type of Tire Mark: Yaw Mark



1. Always curve
2. Roll and Sideslip
3. Steering
4. Mostly 2 tire/can be 4 tires
5. Width varies
6. Usually faint at beginning
7. Striations oblique to tire mark
8. Outer edges is more prominent
9. Usually 1-100m



# Type of Tire Mark: Yaw Mark



# Type of Tire Mark: Yaw Mark





# Type of Tire Mark: Yaw Mark

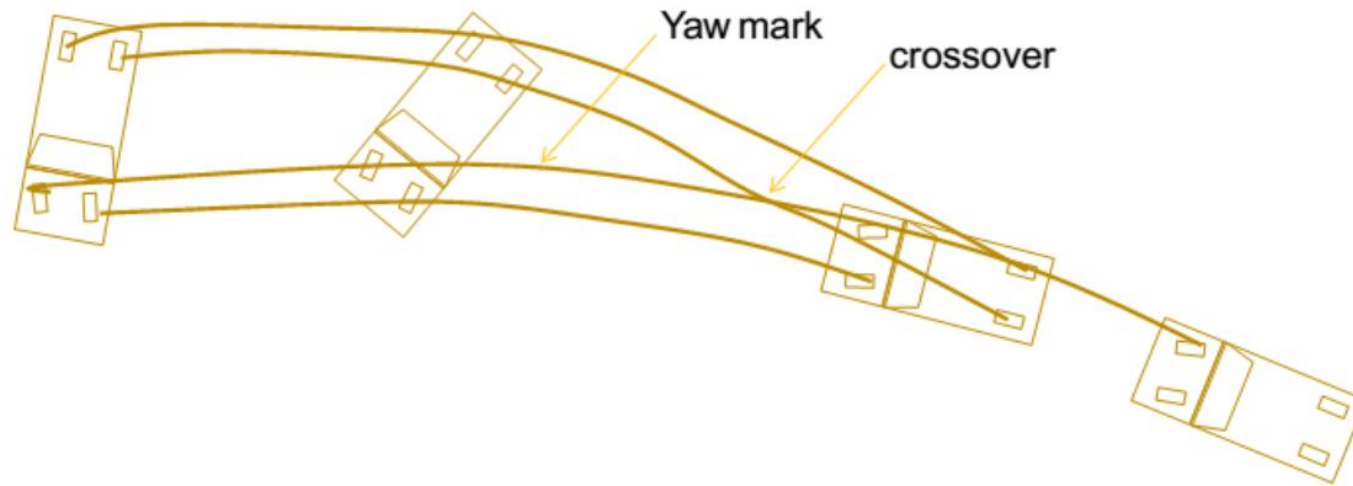


# Type of Tire Mark: Yaw Mark





# Type of Tire Mark: Yaw Mark





# GOUGE MARK

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# Type of Road Scar: Gouge Mark

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# Type of Road Scar: Gouge Mark



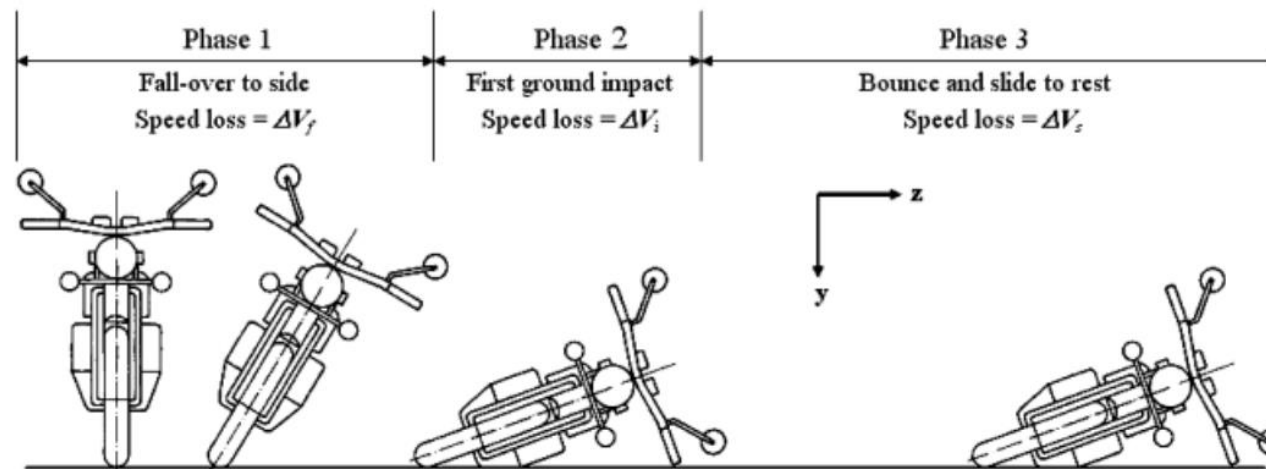


# Type of Road Scar: Gouge Mark

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# Type of Road Scar: Gouge Mark



**Fig. 2** Illustration of the three main phases of the motorcycle fall-over

(Wood 2004)





# OIL SPILL

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 alamy stock photo

WN7A1E  
[www.alamy.com](https://www.alamy.com)



# Type of Debris: Oil Spill





# Type of Debris: Misc





# DEBRIS

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# THANK YOU

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