

# Setting the foundations for discussions on CoPTTM

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8 July 2013



# Purpose

- The size of the crash problem associated with roadworks
- The size of the industry
- The costs associated with the application of CoPTTM

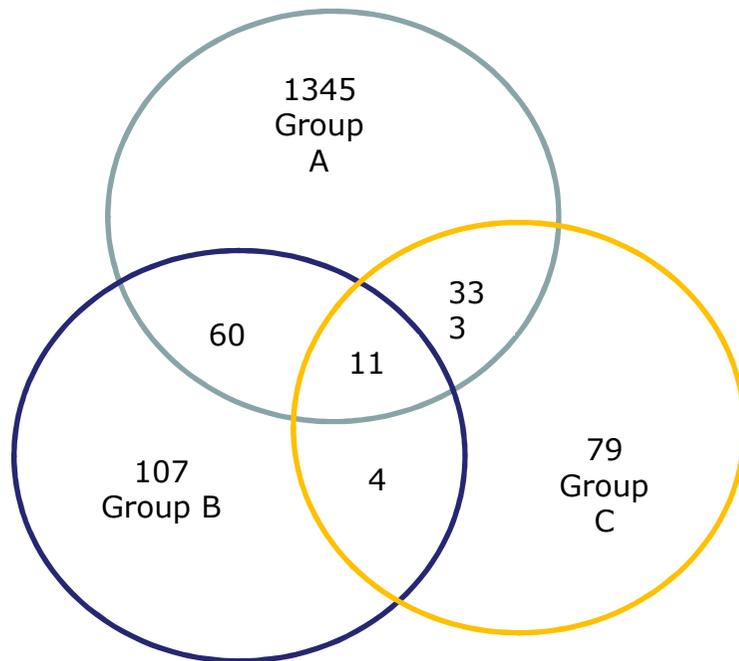
# Crashes at road works (1)

- *"Failed to notice road works signs"* (339)
- *"Road under construction or maintenance"* (817)
- *"Road works not adequately lit"* (824)
- *"Road works not adequately signposted"* (825)

# Crashes at road works (2)

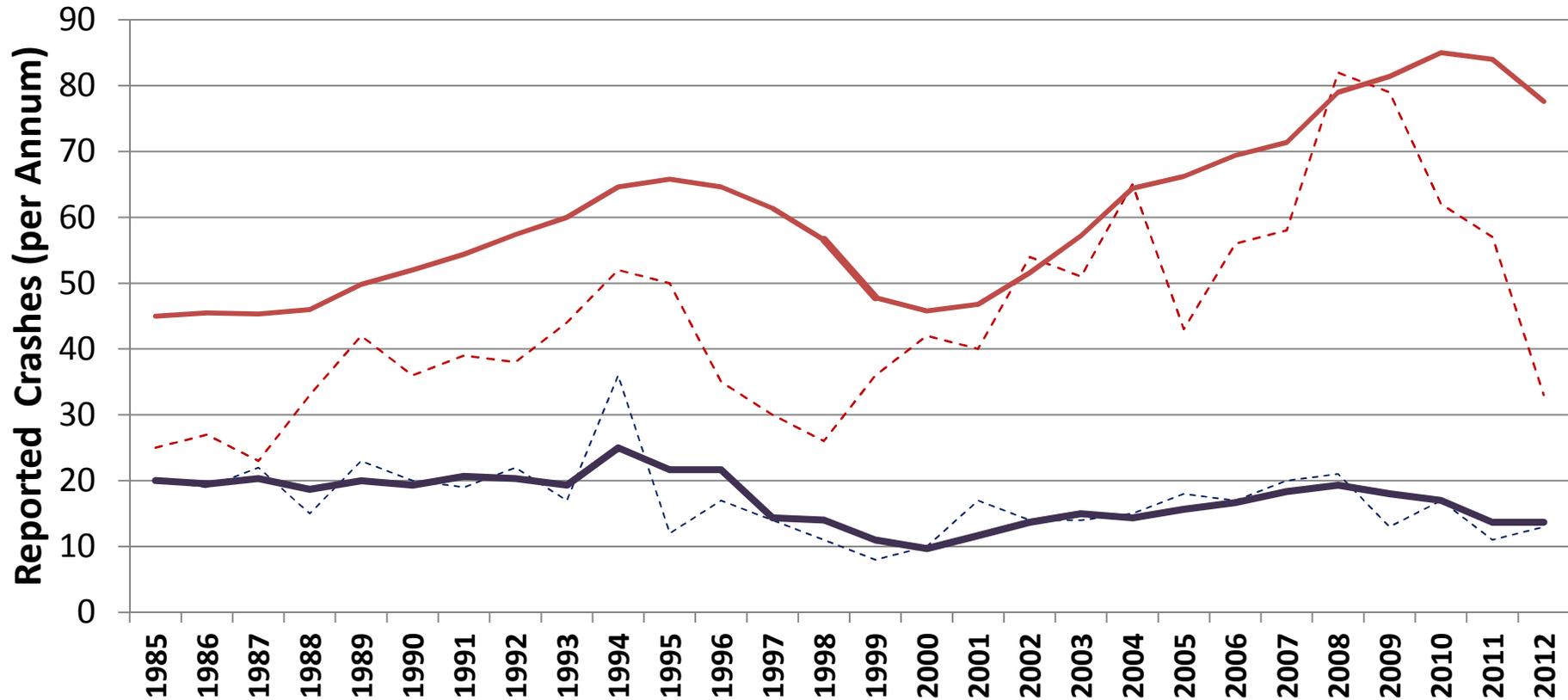
- crashes in which the crash movement is "*struck workmans vehicle*" (movement code "ED")
- crashes in which the object struck is "*roadworks*" (object code "R")
- "*Too fast for conditions at temporary speed limit*" (116)

# Crashes at road works (3)



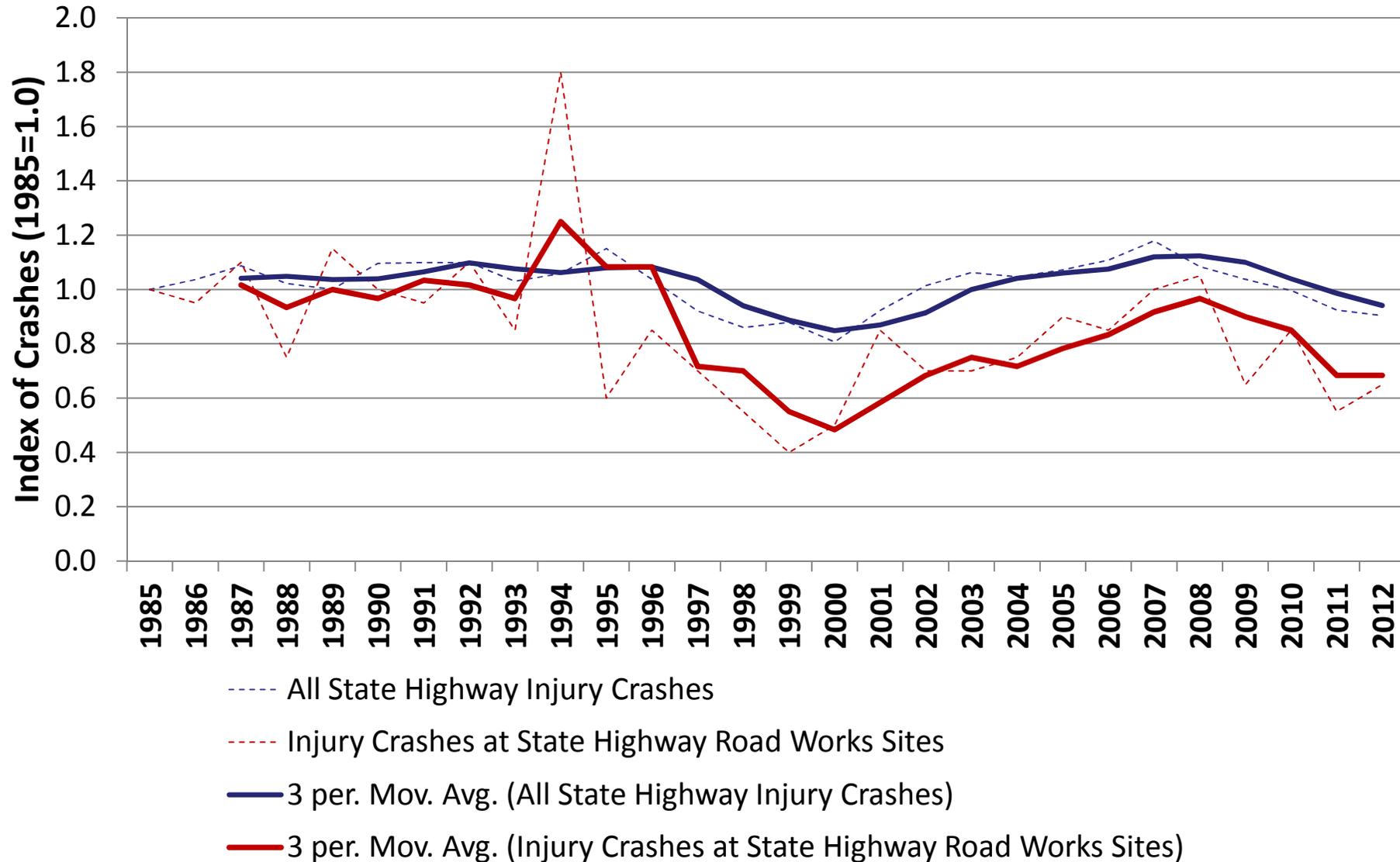
- **Group A**  
Cause codes associated with road works
- **Group B**  
Movement and Struck Object
- **Group C**  
Cause code too fast for temporary speed limit

# Crashes at road works sites (1)

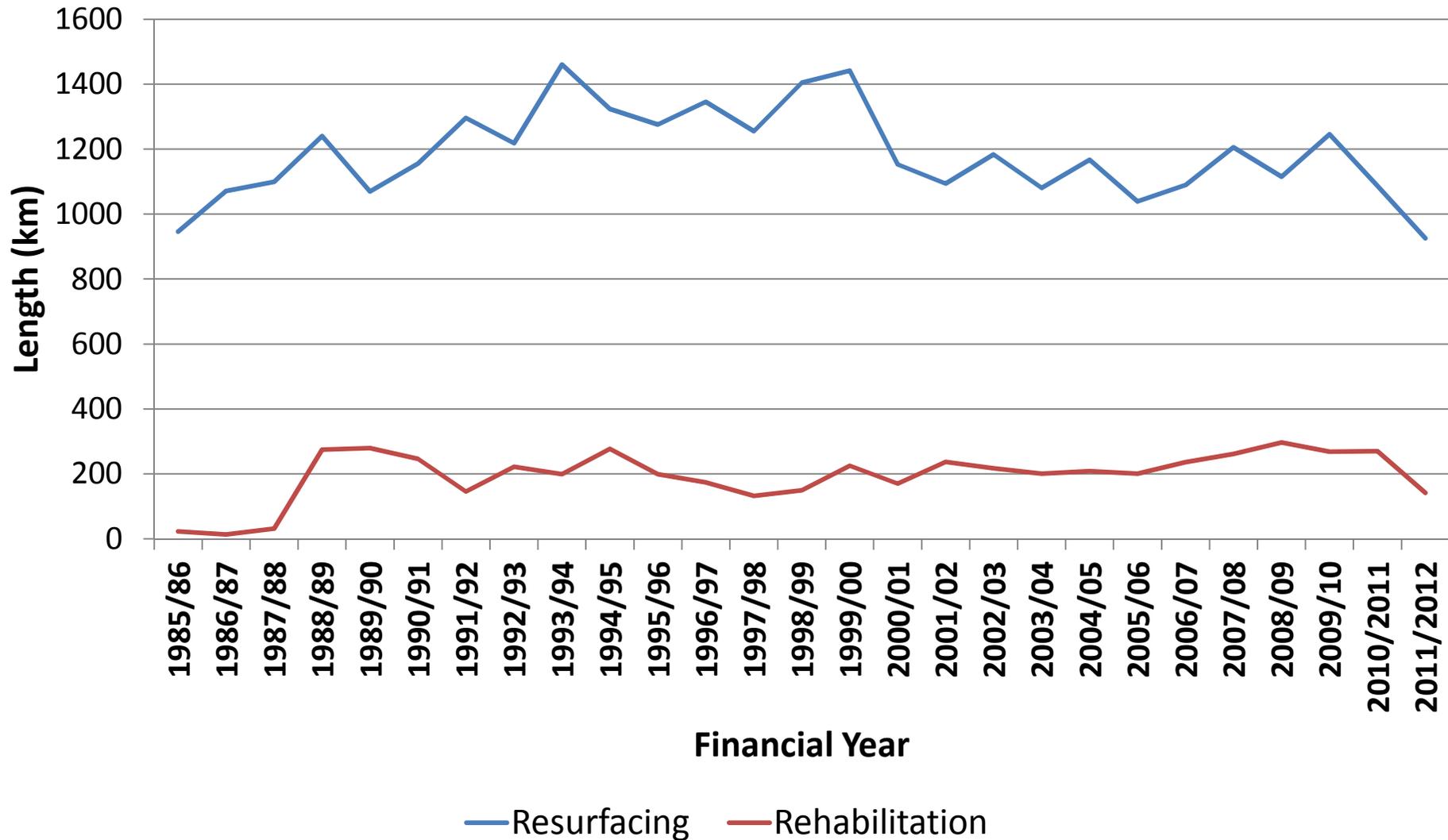


- Injury Crashes (annual)
- Injury Crashes (3 year rolling average)
- Fatal and Serious Crashes (annual)
- Fatal and Serious Crashes (3 year rolling average)

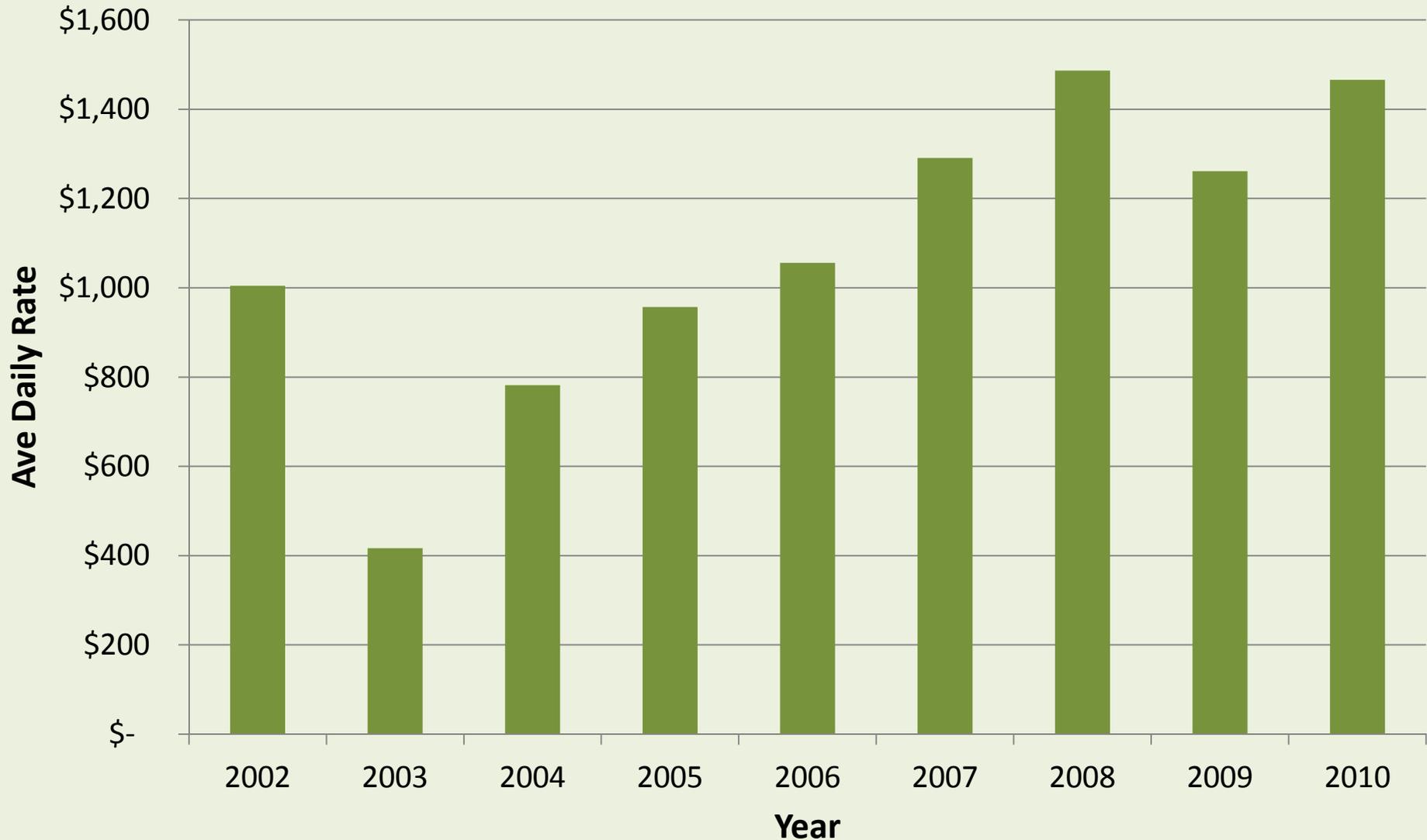
# Crashes at road works sites (2)



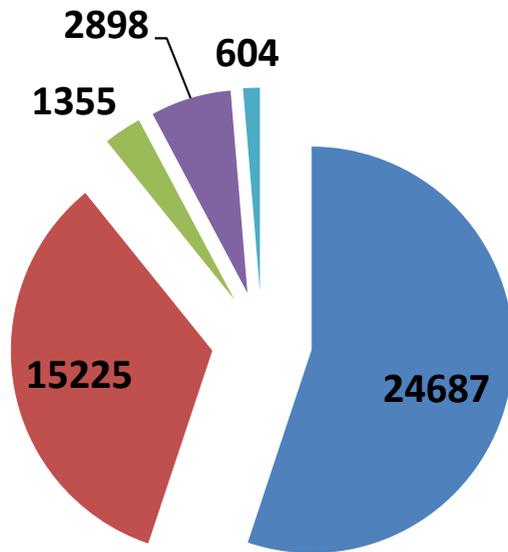
# Quantum of work



# Average Daily Rate for Temporary Traffic Management (Level 1 Network)



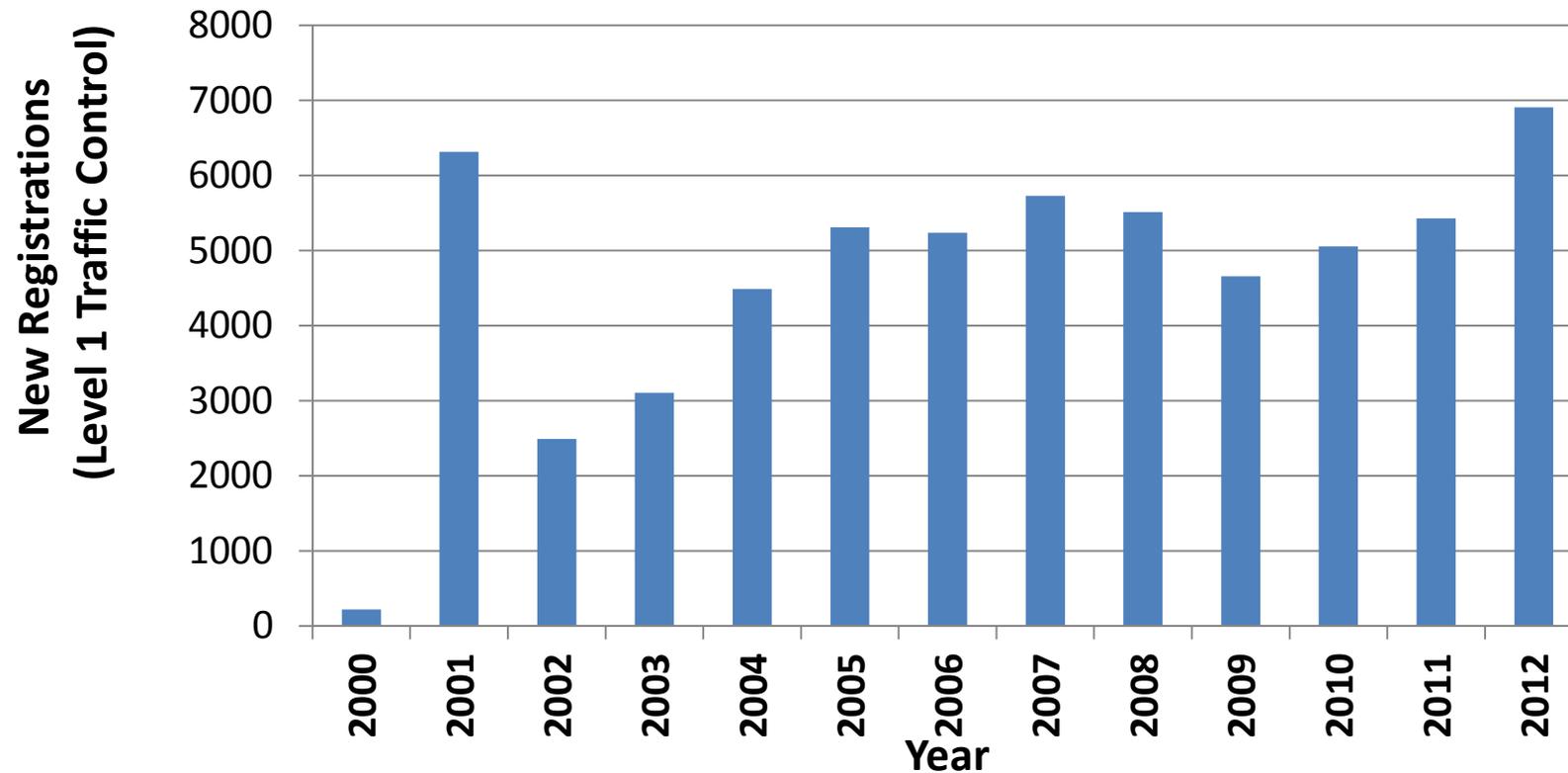
# Size of the Industry (1)



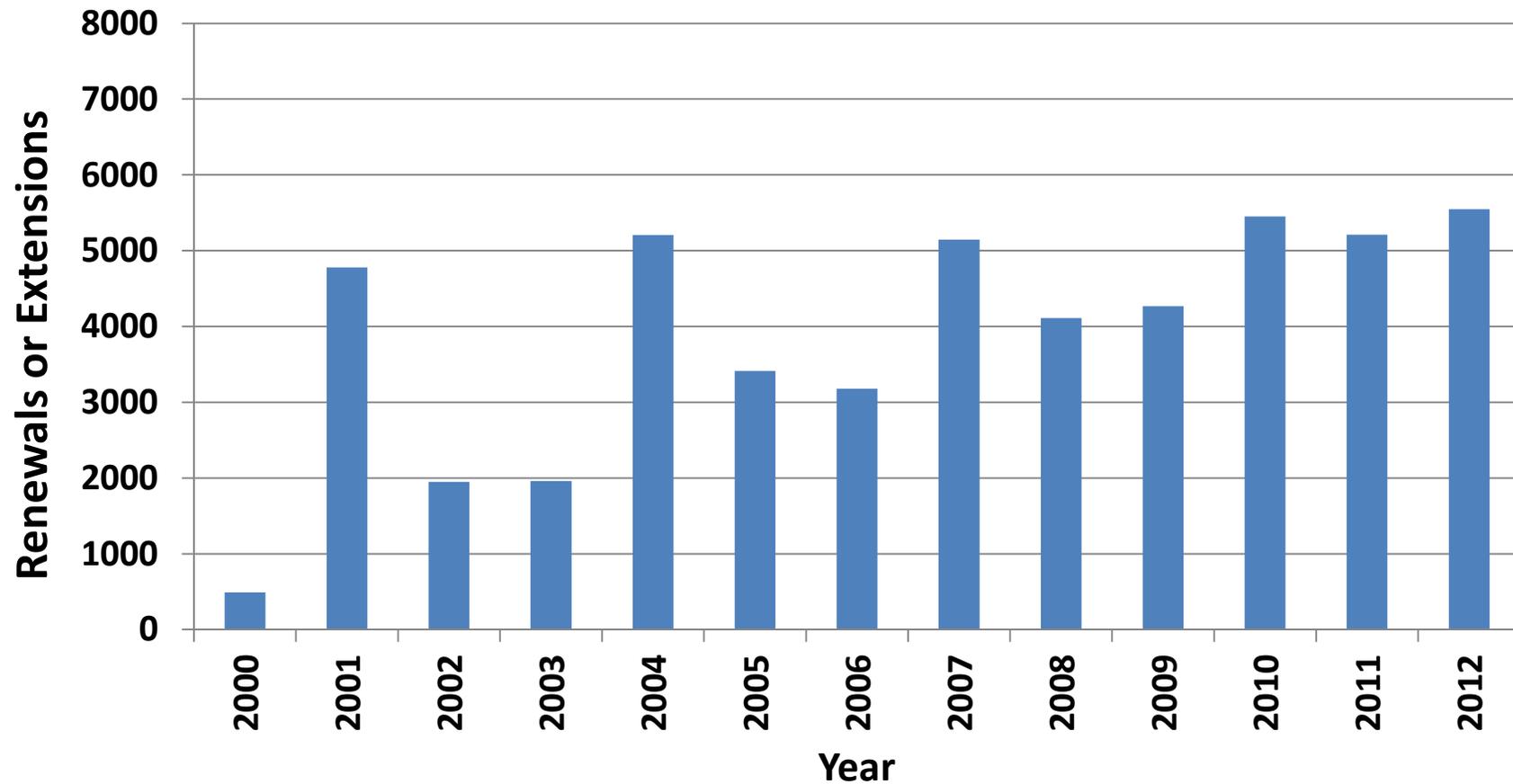
- Level 1 Traffic Control
- Level 1 STMS
- Waste Collection
- L2-L3 STMS Non Practicing
- L2-L3 STMS

- 61,000
- 26,584 lapsed
- 44,769 current

# Size of the Industry (2)



# Size of the Industry (3)



# Costs (1)

<b>COPTTM Level</b>	<b>Median Mowing</b>	<b>AWPT</b>	<b>Resealing</b>	<b>Rehab</b>	<b>Overall Maint/Renewals</b>	<b>Overall Construction</b>
<b>Low Volume</b>	0	3.5	4.0	3.3	2.1	3.5
<b>Level 1</b>	1.8	5.0	4.8	4.7	4.3	5.0
<b>Level 2</b>	5.8	6.3	6.3	6.3	6.3	6.2

*Source Roothing New Zealand*

## Costs (2)

- Level 3 all activities 20%
  - \$17m/pa
- Level 1/2 additional services 5% to 10%
  - \$27.5m/pa

# Summary

- CoPTTM has reduced the number of crashes at work sites
- The costs associated with CoPTTM are typically around \$44m/pa
  - 20% on Level 3
  - 5% to 10% Level 1 and 2
- There is approximately 1 CoPTTM trained person for every 70 persons