Road Safety in Maintenance Contracting
The Safety KPI within PSMC 006

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Outline

- Safety Key Performance Indicator (KPI)
- Example of PSMC 006
- Driving a road safety culture
- Providing real safety benefits for the road user
The Safety KPI

- Improved safety performance seen on previous PSMC maintenance contracts
- Part of the contract for PSMC 006
- Reduce the *social cost* of crashes by 4% each year (40% by contract end)
- 3-year rolling average
- Financial incentive
Road crashes categorised by injury severity

Each crash costs society

2011 social costs were:

- Fatal $4,260,000
- Serious $820,000
- Minor $91,000
- Non-injury $2,800
PSMC 006

- SH network maintenance contract with the NZTA
- Performance-Specified Maintenance Contract (PSMC)
- 10 year contract began March 2010
- 350km within the Waikato region
The Safety KPI and PSMC 006

- Significant financial penalty
- All activities working toward the KPI
- Requires a fundamental shift in attitude
  - Proactive
  - Committed
  - Innovative
- Entire maintenance team focused on making the network safer
Results

- Early indications for significant safety gains
- Safety works in 2010
Looking north

Looking south
Results

- Early indications for significant safety gains
- Safety works in 2010
- A low number of reported injury crashes in 2011
Number of Injury Crashes
2007-2011

<table>
<thead>
<tr>
<th>Year</th>
<th>Minor Crashes</th>
<th>Serious Crashes</th>
<th>Fatal Crashes</th>
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<td>2007</td>
<td>74</td>
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<tr>
<td>2008</td>
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<td>2009</td>
<td>54</td>
<td>16</td>
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<td>2010</td>
<td>78</td>
<td>18</td>
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<tr>
<td>2011</td>
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<td>14</td>
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</table>
Safety KPI Achieved in 2011

Social Cost of Crashes (3-year rolling average)
PSMC 006 Network

Social Cost of Crashes

Year

2011

Target Social Cost

Actual Social Cost

$- $5,000,000 $10,000,000 $15,000,000 $20,000,000 $25,000,000 $30,000,000 $35,000,000 $40,000,000 $45,000,000
Early indications for significant safety gains

Safety works in 2010

A low number of reported injury crashes in 2011
  - Met the safety KPI

Evidence also on PSMC 005
Summary

- Safety performance can be improved through a maintenance contract
- Adding a Safety KPI drives a culture that promotes further safety benefits
- Road safety continues as a major part of PSMC 006 core business.
Thank you