

Level Crossing Strategy Council Yearly Report 2001/02



Chairman's Report

2001/02 has marked a very significant change in the Transport Industry's dealings with level crossings in New South Wales. We have had a doubling of funding commitment from the Government to upgrade level crossings around the state to enhance safety. This has ranged from improved signage to the full treatment of the installation of flashing lights, bells and boom gates. In real terms we have upgraded 31 sites this year compared with only four for the previous financial year.

We have also seen a greater cooperation and dedication to this task from all the Committee members. Both the Council and working parties have met at least every two months and these meetings have been well attended. I commend the enthusiasm and diligence of these two groups. It has meant that our decisions have been translated into solid improvements to the road and rail networks at their most crucial point, where they intersect.

Other highlights include a state wide public education and awareness campaign, our submission to the Staysafe Inquiry into Level Crossings, a review of the Australian Standards applying to level crossings and the increased communication of our stakeholder reviews of individual crossings.

The most important breakthrough has come with the development of the Level Crossings Assessment Model. This has given us an objective and scientific assessment of the safety provided at all level crossings in the state and identified areas, which need improvement in a prioritised form.

It is pleasing to note a marked reduction in fatalities at level crossings this year, although our aim must always be to record no deaths.

I look forward to the continuing good works of the Level Crossing Strategy Council and would like to thank the members for their dedicated contributions.

MICHAEL DEEGAN
Chairman



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Advanced Warning Improvements - Olympic Highway (Bells Rd) Level Crossing - Gerogery

Report prepared by Level Crossing Upgrade Project
Project Manager: Derek Williams
Project Engineer: Chris Lees
Site Engineer: Godwin Camilleri



Highlights

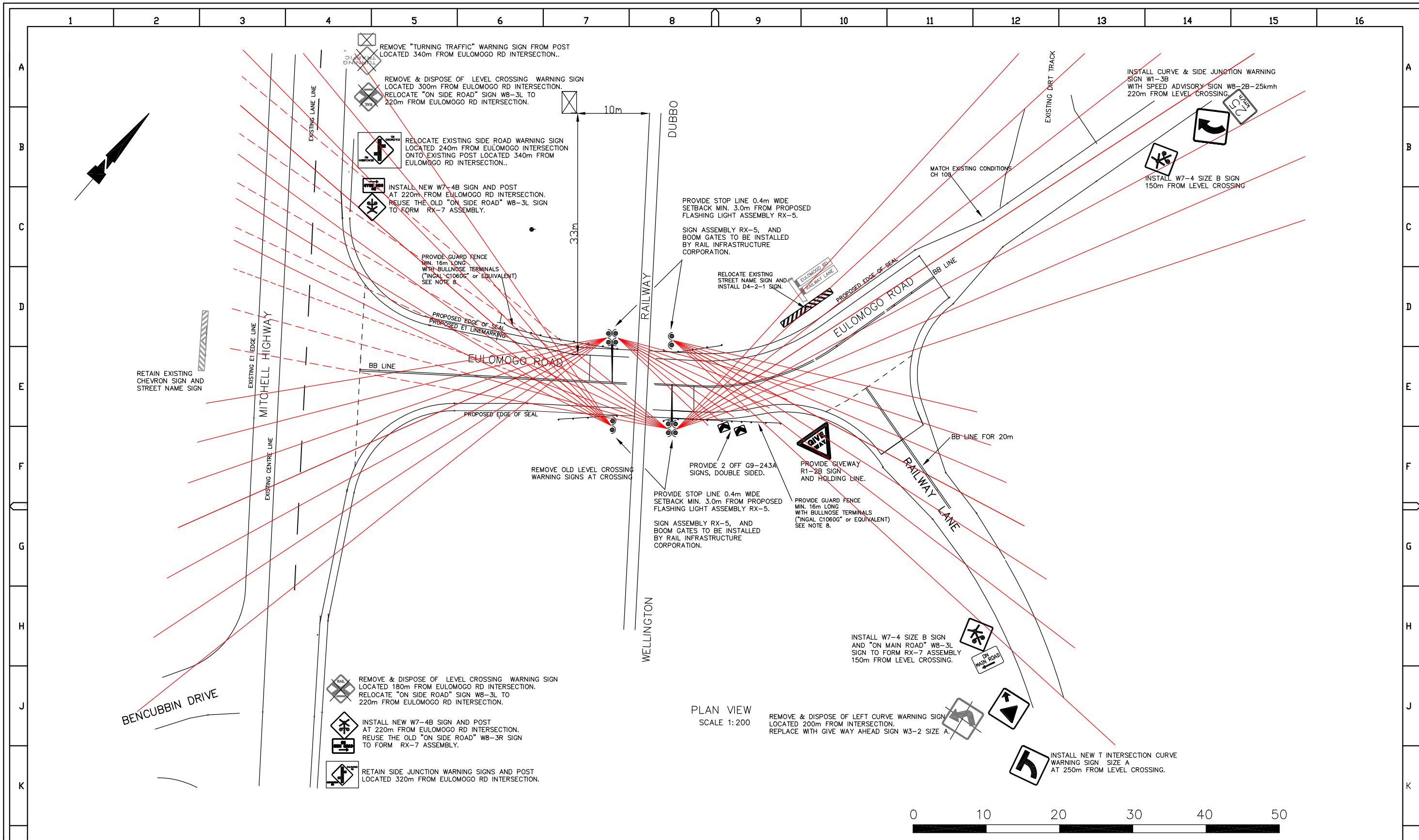
The background of the slide features a faded, grayscale image of a railway crossing. A prominent sign reads "RAIL CROSSING" in a large, bold, sans-serif font. Below it, a "STOP" sign is visible. The scene includes a tall signal mast with two lights and a cross-tick sign. The overall aesthetic is clean and professional, with the text overlaid on the central part of the image.

- 31 Sites Safety Upgraded
- Level Crossing Assessment Model
- Public Education and Awareness Program
- Staysafe Inquiry
- Review of AS1742.7
- Project Management

Highlights

| | |
|--|--|
| 31 sites safety upgraded | <ul style="list-style-type: none"> • Huge turnaround in sites delivered (up from 4 in 2000/2001) • Various levels of upgrade: Passive to active, advanced warning, LED retrofits, and minor works |
| LCAM development, approval and implementation | <ul style="list-style-type: none"> • Development commenced July 2001, Minister approved March 2002 • Quantitative methodology using risk factors • Sites ranked in risk order • Used to prioritise forward upgrade program |
| Public education and awareness program | <ul style="list-style-type: none"> • Funded and prepared jointly by RTA and RIC • Focus group testing • Developing campaign to alert pedestrians and people with disabilities to the dangers of level crossings |
| Staysafe inquiry | <ul style="list-style-type: none"> • Study of factors contributing to level crossing accidents • Measures to improve safety • Management of level crossings in NSW |
| Review of AS 1742.7 | <ul style="list-style-type: none"> • Requested by LCSC (NSW initiative) • Initial meeting held • NSW representation on standards committee |
| Dedicated Project Management team formed | <ul style="list-style-type: none"> • Unified separate RIC and RTA programs • Focus on program delivery • Consideration of cost/benefit • Formal processes introduced • Stakeholder involvement entrenched • Stakeholder site plan approval introduced (copy of plan attached) • Strong links with Local Government • Working group implements LCSC decisions |





THE FOLLOWING REPRESENTATIVES CERTIFY THAT THE REQUIREMENTS OF THEIR RESPECTIVE ORGANISATIONS ARE MET

| ORGANISATION | NAME | SIGNATURE | POSITION | DATE | ORGANISATION | NAME | SIGNATURE | POSITION | DATE |
|--------------|------|-----------|----------|------|--------------|------|-----------|----------|------|
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

| | | | |
|--|--|------------------------------------|--|
| RAIL INFRASTRUCTURE CORPORATION | | DUBBO | |
| LXP NSW LEVEL CROSSING PROJECT | | EULOMOGO ROAD 449.409 KM | |
| DRAWN GCAMILLERI | | DESIGN CHECK | |
| DESIGNED GCAMILLERI | | SCALE 1:500 MANAGER, D.WILLIAMS | |
| DATE 8/12/2001 | | SHEET 1 A3 | |
| DUBB-EUL-LX/02 | | REV : 01 | |

Upgrade Program

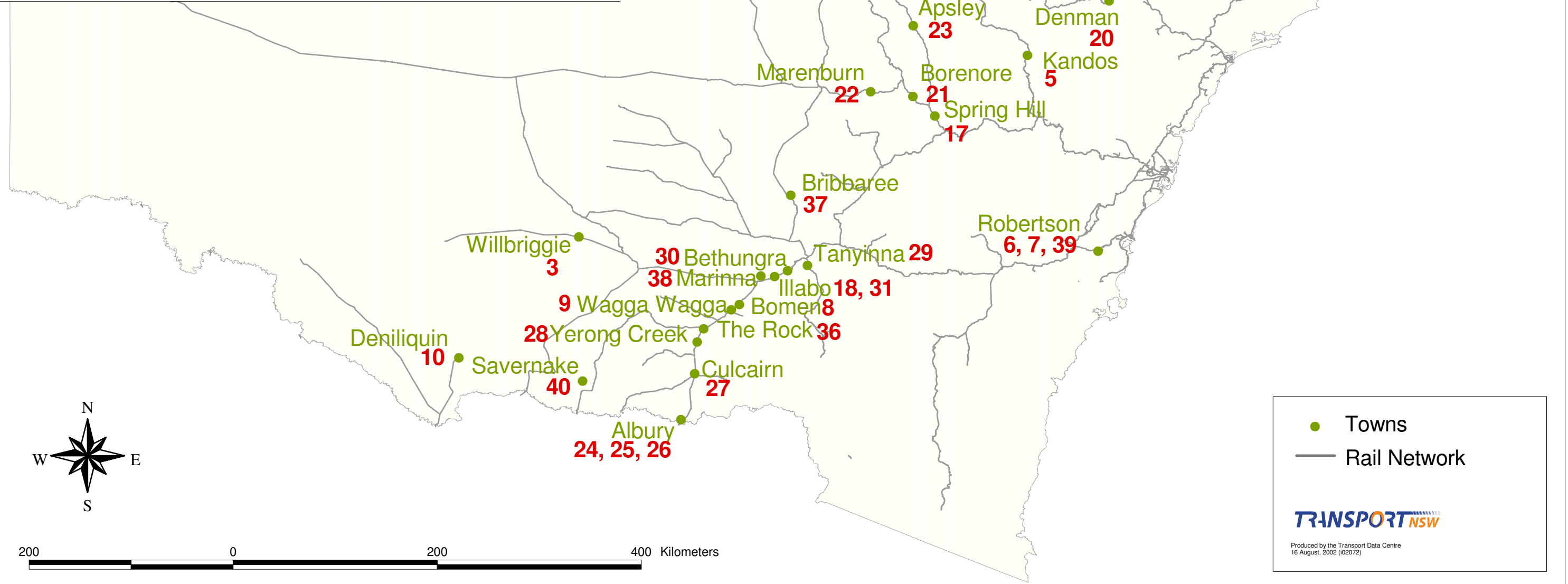
The background of the slide features a faded, grayscale image of a railroad crossing signpost. The signpost is a tall, thin metal pole with several signs attached. At the top, there are two circular lights. Below the lights, there are two rectangular signs that read "RAILROAD CROSSING" and "NEW WAY". Further down, there is a sign that says "TRACKS". At the bottom of the signpost, there is a large, circular sign that says "STOP". The entire background is semi-transparent, allowing the text to be clearly visible.

- [Upgrade Map](#)
- [Photo Gallery](#)

2001 - 2002 Level Crossing Upgrades

| Number | Location | Scope overview | Cost |
|--------|------------------------------|---|-------------|
| 1 | Dubbo: Buniyong Rd | F lights & booms, additional F lights, road widening, signage | \$449,068 |
| 2 | Dubbo: Eulomogo Rd | F lights and booms, additional F lights, install insulated sleepers, road widening, signage | \$620,178 |
| 3 | Willbriggie: Kidman Way | F lights, additional F lights, signage | \$234,580 |
| 4 | Moppin: Carnarvon Hwy | F lights, advance warning sign, signage | \$351,509 |
| 5 | Kandos: Angus Ave | F lights, additional F lights, pedestrian facilities and fencing, signage | \$279,215 |
| 6 | Robertson: Huddle St | Advance warning lights | \$70,734 |
| 7 | Robertson: Fountaindale Rd | F lights and booms, additional F lights, signage | \$428,180 |
| 8 | Bomen: Dampier St | Booms, advance warning lights, additional F lights, signage | \$340,464 |
| 9 | Wagga: Fernleigh St | Booms, signal interlocking alterations, pedestrian facilities, signage | \$400,637 |
| 10 | Deniliquin: Ochertyre St | F lights (\$113,092 Spent 2000/01) | \$144,000 |
| 11 | Wauchope: Oxley Highway | Additional Cross Arm, Remove Trees, Fencing, LED's, signage. | \$16,535 |
| 12 | Koolkan: Summerland Way | Extend posts, install LED lamps, Signage | \$20,732 |
| 13 | Wiangaree: Summerland Way | Additional Cross Arm, Trim Trees, Signage & Road Markings | \$8,943 |
| 14 | Coopernook: Lansdowne Rd | Install advanced warning lights, install LED lamps, Signage & Road Markings | \$24,841 |
| 15 | Lansdowne: Lansdowne Rd | Additional Cross Arm, Trim Trees, LED lamps, Signage & Road Markings | \$10,848 |
| 16 | Macksville: McKay Rd | Additional standard, install LED lamps, Signage & Road Markings | \$50,919 |
| 17 | Spring Hill: Orange Rd | Additional Cross Arm, Trim Trees, LED lamps, Signage & Road Markings | \$20,293 |
| 18 | Illabo: Olympic Hwy | Signage modifications | N/C (RTA) |
| 19 | Scone: New England Hwy | Additional Cross Arm, LED lamps, Signage & Road Markings | \$23,698 |
| 20 | Denman: Golden Hwy | Additional Cross Arm, LED lamps, Signage & Road Markings | \$27,323 |
| 21 | Borenore: Cudal St | Retro-fit LED lamp units. | \$6,990 |
| 22 | Meranburn: Parkes Rd | Retro-fit LED lamp units. | \$6,990 |
| 23 | Apsley: Wellington Rd | Retro-fit LED lamp units. | \$6,990 |
| 24 | Albury: Thurgoona Road | Retro-fit LED lamp units. | \$3,985 |
| 25 | Albury: Fallon Street | Retro-fit LED lamp units. | \$3,985 |
| 26 | Albury: North Street | Retro-fit LED lamp units. | \$3,985 |
| 27 | Culcairn: Baird Street | Retro-fit LED lamp units. | \$3,985 |
| 28 | Yerong Creek: Cole Street | Retro-fit LED lamp units. | \$3,985 |
| 29 | Tanyinna: Olympic Way | Removal of Non-Frangible items | \$3,100 |
| 30 | Bethungra: Olympic Way | Removal of Non-Frangible items | \$3,100 |
| 31 | Illabo: Public Rd | Removal of Non-Frangible items | \$3,100 |
| 32 | Byron Bay: Old Bangalow Rd * | F lights, pedestrian facilities, signage | \$134,306 |
| 33 | Byron Bay: Bayshore Drive * | F lights, road widening and upgrade, install insulated sleepers, signage | \$378,836 |
| 34 | Upper Burringbar: Rd East * | F lights, , road widening and upgrade, install insulated sleepers, signage | \$252,349 |
| 35 | Upper Burringbar: Rd West * | F lights, additional F lights, road widening, install insulated sleepers, signage | \$248,252 |
| 36 | The Rock: Burkes Creek Rd * | F lights, additional F lights, road widening, major signal alterations, signage | \$125,540 |
| 37 | Bribbaree: Young Rd * | F lights, additional F lights, signal interlocking alterations, insulate sleepers, signage | \$27,633 |
| 38 | Marinna: Public Road * | F lights, additional F lights, signal interlocking alterations, signage | \$37,655 |
| 39 | Robertson: Meryla St * | F lights & booms, major signal alterations, road widening, signage | \$182,821 |
| 40 | Savernake: SH20 * | F lights, signage | \$302,441 |
| 41 | Gunnedah: Quia Rd * | Upgrade existing overpass and remove level crossing | \$352,000 |
| | | Total for 2002/2003 | \$5,614,725 |

* These sites to be completed in 2002/2003



Upgrade Program - Photo Gallery

DUBBO BUNINYONG ROAD

Previous protection: Stop signs (60kmh area)

Upgrade: Type F lights & booms, road works

Road authority: Dubbo City Council (RTA for some signage)

Technology: Grade crossing predictor, LED's

Issues: Implementation of new technology

Comments:

High speed rail 155kmh

Dubbo Council were supportive of project

Dubbo Council paid 1/3 contribution at short notice



DUBBO EULOMOGO ROAD

Previous protection: Stop signs (60kmh area)

Upgrade: Type F lights & booms, road works

Road authority: Dubbo City Council (RTA for some signage)

Technology: Grade crossing predictor, LED's

Issues: Implementation of new technology

Comments:

High speed rail 155kmh

Dubbo Council were supportive of project

Dubbo Council paid 1/3 contribution at

short notice

WILLBRIGGIE KIDMAN WAY

Previous protection: Give way signs (100kmh area)

Upgrade: Type F lights

Road authority: RTA (Griffith Shire Council on sub-c)

Technology: High voltage train detection, LED's

Issues: Remote location. Slow response for RTA works (road markings)

Comments:

Very low use railway (seasonal)

High road speed (minimal enforcement)



Upgrade Program - Photo Gallery

MOPPIN CARNARVON HIGHWAY

Previous protection: Give way signs (100kmh area)

Upgrade: Type F lights, large approach signage

Road authority: RTA (Moree Shire Council on sub-c)

Technology: High voltage train detection, LED's

Issues: Remote location. Small rail size / short lengths

Comments:

Very low use railway (seasonal)

High road speed (minimal enforcement)



KANDOS ANGUS AVENUE

Previous protection: Stop signs (60kmh area)

Upgrade: Type F lights

Road authority: Rylstone Shire Council

Technology: High voltage train detection, LED's

Issues: Slow response for Council works (signage, ARMCO)

Comments:

Very low use railway (no timetabled services)

Political commitment

ROBERTSON - FOUNTAINDALE RD

Previous protection: Stop signs (60kmh area)

Upgrade: Type F lights and booms, road works

Road authority: Wingecarribee Shire Council

Technology: Grade crossing predictor, LED's

Issues: Implementation of new technology

Comments:

WSC 1/3 contribution paid

Significant local interest



Upgrade Program - Photo Gallery

BOMEN DAMPIER STREET

Previous protection: Type F lights (60kmh area)

Upgrade: Boom gates, additional warning lights

Road authority: Wagga City Council

Technology: Existing train detection, LED's

Issues: Slow response for Council works (signage, ARMCO)

Comments:

Wagga Council 1/3 contribution paid
Significant local interest



WAGGA FERNLEIGH ROAD

Previous protection: Type F lights (60kmh area)

Upgrade: Boom gates, pedestrian facilities

Road authority: Wagga City Council

Technology: Existing train detection, LED's

Issues: Slow response for Council works (signage, ARMCO)

Comments:

Wagga Council 1/3 contribution paid
High vandalism area

SPRING HILL ORANGE ROAD

Previous protection: Type F lights (60kmh area)

Upgrade: Additional warning lights, LED's, large approach signage

Road authority: Orange Council

Technology: Existing train detection, LED's

Issues: Slow response for RTA works (signage, tree trimming)

Comments: Prior incidence of vehicles unable to stop at crossing due to limited approach sighting.



Upgrade Program - Photo Gallery

WIANGAREE SUMMERLAND WAY

Previous protection: Type F lights (100kmh area)

Upgrade: Additional warning lights

Road authority: RTA (Casino Council sub-c)

Technology: Existing train detection, LED's

Issues: Slow response for RTA works (signage, tree trimming)

Comments: Vehicle drivers distracted by sweeping curve on approach.



KOULKAN SUMMERLAND WAY

Previous protection: Type F lights (100kmh area)

Upgrade: Increased post height for visibility

Road authority: RTA (Copmanhurst Council sub-c)

Technology: Existing train detection, LED's

Issues: Slow response for RTA works (signage, tree trimming)

Comments: Crossing location in dip made sighting of lights difficult. Higher posts have made significant improvement.

MACKSVILLE McKAY STREET

Previous protection: Type F lights (60kmh area)

Upgrade: Increased post height for visibility

Road authority: RTA (Nambucca Council sub-c)

Technology: Existing train detection, LED's

Issues: Slow response for RTA works (signage, tree trimming)

Comments: Council not supportive at site inspection with respect to AS compliance, but carried out compliance works promptly.



Upgrade Program - Photo Gallery

WAUCHOPE OXLEY HIGHWAY

Previous protection: Type F lights (60kmh area)

Upgrade: Additional warning lights

Road authority: RTA (Hastings Council sub-c)

Technology: Existing train detection, LED's

Issues: Slow response for RTA works (signage, tree trimming)

Comments: High traffic built up area



COOPERNOK LANDSDOWN ROAD

Previous protection: Type F lights (100kmh area)

Upgrade: Advance warning lights

Road authority: Taree City Council

Technology: Existing train detection, LED's

Issues: Slow response for Council works (signage, tree trimming)

Comments: Drivers distracted by curved approach.

LANDSDOWNE LANDSDOWNE ROAD

Previous protection: Type F lights (100kmh area)

Upgrade: Additional warning lights, signage

Road authority: Taree City Council

Technology: Existing train detection, LED's

Issues: Slow response for Council works (signage, tree trimming)

Comments: Drivers distracted by curved approach. First use of innovative post extension for additional lights.



Achievements

The background of the slide is a faded, grayscale image of a railway crossing signpost. The signpost is a tall, thin metal pole with several signs attached. At the top, there are two small, dark, diamond-shaped lights. Below the lights, there are three rectangular signs arranged in a cross pattern. The top sign reads 'RAILWAY', the middle sign reads 'CROSSING', and the bottom sign reads 'NEW WAY'. Below these, there is another rectangular sign that reads 'TRACKS'. At the bottom of the signpost, there is a large, circular sign that reads 'STOP'. The entire image is faded and serves as a background for the text.

- Table of Achievements

| | Other Actions | Status |
|----|--|---|
| 2 | Level Crossing Strategy Council | The Minister reconvened the LCSC under the chair of the Director-General of Transport. The LCSC arranged for: <ul style="list-style-type: none"> ▪ a Working Group of agency officials to supervise safety improvements; ▪ a project manager to coordinate previously separate agency programs; ▪ works to be prioritised by computer model that assesses risk factors. |
| 3 | Level Crossings Assessment Model | The computer model assesses risk factors. Data are already entered for the 182 sites that officials consider to be the likely highest risk level crossings. Prioritised list produced on schedule in March 2002. Data input for all sites across NSW to progressively follow. |
| 4 | Staysafe Inquiry | Minister referred the issue of level crossing safety to the Joint Standing Committee on Road Safety. Staysafe undertook: <ul style="list-style-type: none"> ▪ a study of factors contributing to level crossing accidents; ▪ measures to improve safety; and, ▪ management of level crossings in NSW. The Staysafe report is expected in mid 2002. |
| 5 | RIC funding | RIC contributed matching funds from its commercial resources for three years. These doubled the level crossing safety budget to \$4 million per annum. |
| 6 | Federal Funding | The Minister has arranged for a joint States and Territories request for Commonwealth funding to upgrade all level crossings on Interstate Track to 'active' protection with bells, lights and boom gates. |
| 7 | Local Government agreement | Local Government expertise, traffic knowledge and local resources are essential for successful safety improvements at level crossings. The LCSC has negotiated a new arrangement for Local Government to contribute to level crossing safety upgrades on Local Roads by funding the necessary road works outside the rail boundary. |
| 8 | Stakeholder consultative process | Community and specialist stakeholders are systematically involved at key stages in the design, development, construction and commissioning of level crossing upgrades. |
| 9 | Public education and awareness program | <ul style="list-style-type: none"> ▪ LCSC commenced a public education and awareness program about level crossing safety in the lead up to the 2001 summer holiday season; ▪ This continued in February 2002 with a paid newspaper campaign in country areas; and, ▪ NSW is developing a campaign aimed to alert pedestrians and people with disabilities to the dangers at level crossings. |
| 10 | Project Management | The LCSC arranged a dedicated project management team for all of NSW to deliver previously separate agency and regional programs. |
| 11 | Advanced Warning | LCSC approved a program of installing Advanced Warning at a range of sites where road users need longer reaction time. |
| 12 | New predictor technology | The LCSC has arranged type approval for new technology that gives a constant warning time for an approaching train regardless of that train's speed. This means road users do not have to wait unnecessarily long times for slow freight trains to arrive at a closed crossing. |



Achievements

| | Other Actions | Status |
|----|---|---|
| 13 | Safety measures at Pine Road, Fairfield | The LCSC arranged trials of various safety treatments at Pine Road, Fairfield, to address serious safety concerns. With the endorsement of the Local Traffic Committee, these were made permanent. |
| 14 | Traffic Study at General Holmes Drive, Mascot | LCSC has arranged a traffic study to assist deliberations on possible closure of the General Holmes Drive level crossing. |
| 15 | Casula Powerhouse Arts Centre | LCSC arranged site inspection of the level crossing and arranged necessary repairs. |
| 16 | Australian Standard | In October 2001, NSW requested Standards Australia to review AS1742.7 so that technological advances since it was last promulgated can be incorporated. Victoria supports the NSW initiative. |
| 17 | Level Crossing Closures | The Director-General of Transport directed RIC to formally delete from the register 258 level crossings that have ceased to be used but never removed from the records. The LCSC will consult stakeholder communities about closure of some other active sites where no treatment options can adequately reduce risk. |
| 18 | Overbridges | LCSC arranged for the Working Group to report on the repair, maintenance and upgrade of overbridges across the NSW rail network. |
| 19 | Centralised NSW level crossing database | LCSC member agencies (TSB; RTA; RIC; TNSW) have commenced the process of centralising a level crossing database. Because this needs to incorporate site inspection data, it will not be completed until a full cycle of visits which takes several years to complete across all regions of NSW. Estimate for completion: mid 2003. |
| 20 | Safety audits | RIC is continuing its safety audits of level crossing sites at the same time the above database is being prepared. |
| 21 | Standards and Guidelines | LCSC member agencies have assembled and distributed a reference package of all existing operational Standards and Guidelines that relate to level crossings. |
| 22 | Policies & Procedures | The Transport Safety Bureau has produced an interim Level Crossings Policies & Procedures document as a reference source pending a full review of the draft 1994 Traffic Engineering Manual: Section 6–Railway Level Crossings. RTA will lead this process estimated to take most of 2002. |
| 23 | Enforcement options | Officers of the LCSC member agencies have met with the Police Regional Traffic Committee to initiate investigation of enforcement options. |
| 24 | International Symposium | In February 2002, LCSC Member Agencies participated in the 7 th International Symposium on Railroad – Highway Grade Crossing Research & Safety at Monash University Accident Research Centre in Melbourne. |
| 25 | Monitoring Project | Remote automatic monitoring of the health condition of level crossings using electronic warning equipment reduces costs of on-site checks. |
| 26 | Construction initiatives | A number of construction initiatives are being implemented as part of the upgrade program; <ul style="list-style-type: none"> • Use of LED lamp technology providing greater intensity • Development of frangible equipment in line with RTA clear zone principles • Introduction of efficiencies such as low cost post extension for the installation of additional lights on an existing post. |



Chronology

The background of the slide features a faded, grayscale image of a railroad crossing signpost. The signpost is a tall, thin metal pole with several signs attached. At the top, there are two circular lights. Below the lights, there are two large, rectangular signs that read "RAILROAD CROSSING" and "NARROW GAUGE TRACKS". At the bottom of the signpost, there is a smaller rectangular sign that reads "STOP". The signpost is set against a light, textured background.

- Timeline of Events

Timeline of events

| | July | August | September | October | November | December | January | February | March | April | May | June |
|---|------|--------|-----------|---------|----------|----------|---------|----------|-------|-------|-----|------|
| Level Crossing Strategy Council meetings | █ | █ | █ | | █ | | | | █ | █ | | █ |
| Level Crossing Working Group meetings | █ | █ | █ | █ | █ | █ | | █ | █ | █ | █ | █ |
| LCAM | | | | | | | | | | | | |
| Approval to develop | █ | | | | | | | | | | | |
| Development funding | | | █ | | | | | | | | | |
| Approval by Minister | | | | | | | | | █ | | | |
| Project delivery | | | | | | | | | | | | |
| Dedicated project team in place | █ | | | | | | | | | | | |
| Project plan approved | | | █ | | | | | | | | | |
| Major upgrades commissioned (9 in total) | | █ | | | █ | █ | █ | | █ | █ | | |
| Staysafe LCSC submission | | █ | | | | | | | | | | |
| Gerogery inquiry information to Coroner | | █ | | | | | | | | | | |
| AS1742.7 review requested by LCSC | | | | █ | | | | | | | | |
| Public awareness | | | | | | | | | | | | |
| Development of campaign for pedestrians and the disabled | | | | | █ | | | | | | | |
| Commencement of public education and awareness campaign | | | | | | █ | | | | | | |
| Newspaper safety awareness campaign for country residents | | | | | | | | █ | | | | |
| Focus group testing on effectiveness of campaigns | | | | | | | | | | | | █ |
| 2002/2003 program | | | | | | | | | | | | |
| Interim program endorsed | | | | | █ | | | | | | | |
| Program approved by Minister | | | | | | | | | █ | | | |
| Program announced by Minister | | | | | | | | | | | █ | |
| 258 closed level crossings removed from register | | | | | | █ | | | | | | |
| 7th Annual International symposium on grade crossings at Monash | | | | | | | | █ | | | | |



Closures

The background of the slide is a faded, grayscale image of a railway crossing. It features a tall metal post with several signs: a large 'X' shaped sign with 'RAILROAD CROSSING' and 'NEW WAY TRACKS' written on the arms, and a rectangular 'STOP' sign at the bottom. There are also some circular signs, possibly 'AHEAD' or 'STOP' signs, and a street lamp on the post.

- Process
- Administrative

Level Crossings Closures Process

| | Action | RIC | RTA | TSB | LCWG | Other |
|---|--------------------|--|--|---|--|--|
| 1 | Identify site | Criteria ¹ | Advice | Sponsor | | Notify LCSC |
| 2 | LCAM check | Model | Input | Input | | <ul style="list-style-type: none"> ▪ Police ▪ Local Government |
| 3 | Risk Assessment | Approve methodology | Site inspection | Site inspection | | Include safety, finance, operations, environment and all other relevant information ² |
| 4 | Consult | Adviser | <ul style="list-style-type: none"> ▪ Written submission required if relevant ▪ Advise Traffic Committee 'for info' | Written submission required if relevant | Coordinate | Written submission required from relevant: <ul style="list-style-type: none"> ▪ operators ▪ stakeholders |
| | ▪ Rail Safety Act | <ul style="list-style-type: none"> ▪ Publish notice in local paper ▪ Notify RTA ▪ Notify local government | Advise if necessary | Advice that not safe operation | | Director-General directs accredited person to close crossing |
| | ▪ Public Crossing | Responsible to notify | Written consent or otherwise | | | Written consent or otherwise of Local Government |
| | ▪ Private Crossing | Responsible to notify | | | | Written consent or otherwise of land owner |
| 5 | Approval | <ul style="list-style-type: none"> ▪ State reasons for closure ▪ Sign-off | | | | |
| | ▪ Rail Safety Act | | | | | Director-General directs if considers railway operation unsafe |
| | ▪ Accommodation | RIC responsible under s94 TAA | | | Prepare submission to Minister noting any objections | Minister for Transport must approve |
| | ▪ Licensed | RIC approves if valid agreement ceases | | | | |
| 6 | Advertise | Responsible to put in Government Gazette | | | | |
| 7 | Update database | Responsible | | | Advise LCSC | |

¹ cannot reduce increased safety risk; or, use inconsistent with original purpose; or land sold, subdivided or rezoned.

² including number of rail tracks, alignment; road width, type, classification, alignment; rail and road traffic type, direction, volume, speed; ownership of the property served and whether grade separation is proposed.



Administrative Closures

| Crossing Name | Division Name | Line | Line Section | Kilometre | Protection |
|--------------------------|---------------|------------------------|------------------------|-----------|------------|
| Cream Shed | Goulburn | Cabramatta - Albury | Glenlee - Maldon | 73.386 | Removed |
| L Nicolson | Goulburn | Cabramatta - Albury | Glenlee - Maldon | 81.453 | Removed |
| Aismus | Goulburn | Cabramatta - Albury | Maldon - Tahmoor | 84.229 | Removed |
| Symon's | Goulburn | Cabramatta - Albury | Tahmoor - Berrima | 119.031 | Removed |
| Yarra Station Pedestrian | Goulburn | Cabramatta - Albury | Joppa Jn - Demondrille | 234.964 | Removed |
| | Goulburn | Cabramatta - Albury | Joppa Jn - Demondrille | 245.686 | Removed |
| Breadalbane Pedestrian | Goulburn | Cabramatta - Albury | Joppa Jn - Demondrille | 247.94 | Removed |
| Cullerin Pedestrian | Goulburn | Cabramatta - Albury | Joppa Jn - Demondrille | 256.288 | Removed |
| Fish River Pedestrian | Goulburn | Cabramatta - Albury | Joppa Jn - Demondrille | 270.993 | Removed |
| Oolong Pedestrian | Goulburn | Cabramatta - Albury | Joppa Jn - Demondrille | 287.972 | Removed |
| | Goulburn | Cabramatta - Albury | Joppa Jn - Demondrille | 288.978 | Removed |
| Jerrawa Pedestrian | Goulburn | Cabramatta - Albury | Joppa Jn - Demondrille | 297.729 | Removed |
| Bowning Pedestrian | Goulburn | Cabramatta - Albury | Joppa Jn - Demondrille | 329.211 | Removed |
| Bobbara | Goulburn | Cabramatta - Albury | Joppa Jn - Demondrille | 366.126 | Removed |
| Fords | Goulburn | Cabramatta - Albury | Joppa Jn - Demondrille | 369.204 | Removed |
| Preston's | Goulburn | Cabramatta - Albury | Joppa Jn - Demondrille | 371.115 | Removed |
| | Goulburn | Cabramatta - Albury | Joppa Jn - Demondrille | 380.851 | Removed |
| | Goulburn | Cowra - Eugowra | Cowra - Eugowra | 390.688 | Removed |
| Geoff Loyd | Goulburn | Joppa Jn - Tuggeranong | Joppa Jn - Tarago | 231.464 | Removed |
| Lake Bathurst | Goulburn | Joppa Jn - Tuggeranong | Joppa Jn - Tarago | 256.36 | Removed |
| Barrens | Goulburn | Joppa Jn - Tuggeranong | Tarago - Queanbeyan | 264.5 | Removed |
| Tetley's | Goulburn | Joppa Jn - Tuggeranong | Tarago - Queanbeyan | 268.07 | Removed |
| | Goulburn | Joppa Jn - Tuggeranong | Tarago - Queanbeyan | 273.92 | Removed |
| Mt Fairy | Goulburn | Joppa Jn - Tuggeranong | Tarago - Queanbeyan | 278.91 | Removed |
| Sand Hills Road | Goulburn | Joppa Jn - Tuggeranong | Tarago - Queanbeyan | 282.84 | Removed |
| T Hobbs | Goulburn | Joppa Jn - Tuggeranong | Tarago - Queanbeyan | 286.77 | Removed |
| Turalla Terrace | Goulburn | Joppa Jn - Tuggeranong | Tarago - Queanbeyan | 293.159 | Removed |
| Hyle | Goulburn | Joppa Jn - Tuggeranong | Tarago - Queanbeyan | 297.56 | Removed |
| Cooma Road | Goulburn | Joppa Jn - Tuggeranong | Tarago - Queanbeyan | 312.225 | Removed |
| Colverwell's | Goulburn | Joppa Jn - Tuggeranong | Tarago - Queanbeyan | 312.856 | Removed |
| Colverwell's | Goulburn | Joppa Jn - Tuggeranong | Tarago - Queanbeyan | 314.888 | Removed |
| Halloran | Goulburn | Joppa Jn - Tuggeranong | Tarago - Queanbeyan | 320.259 | Removed |
| SRA - Pedestrian | Goulburn | Joppa Jn - Tuggeranong | Tarago - Queanbeyan | 321.36 | Removed |
| Uppingham | Goulburn | Koorawatha - Grenfell | Koorawatha - Grenfell | 407.506 | Removed |



Administrative Closures

| | | | | | |
|----------------------|----------|-----------------------|-----------------------|---------|---------|
| Laneway | Goulburn | Koorawatha - Grenfell | Koorawatha - Grenfell | 410.584 | Removed |
| Griffins Lane | Goulburn | Koorawatha - Grenfell | Koorawatha - Grenfell | 437.178 | Removed |
| Manganese Road | Goulburn | Koorawatha - Grenfell | Koorawatha - Grenfell | 445.024 | Removed |
| Lindsay | Goulburn | Unanderra - Moss Vale | Unanderra - Moss Vale | 89.6 | Removed |
| Waldron | Goulburn | Unanderra - Moss Vale | Unanderra - Moss Vale | 92.034 | Removed |
| Farmborough Road | Goulburn | Unanderra - Moss Vale | Unanderra - Moss Vale | 93.503 | Removed |
| Rogan's | Goulburn | Unanderra - Moss Vale | Unanderra - Moss Vale | 95.635 | Removed |
| Hamilton's | Goulburn | Unanderra - Moss Vale | Unanderra - Moss Vale | 119.635 | Removed |
| Gay's | Goulburn | Unanderra - Moss Vale | Unanderra - Moss Vale | 122.471 | Removed |
| Hindmarsh's | Goulburn | Unanderra - Moss Vale | Unanderra - Moss Vale | 130.156 | Removed |
| Hollin's | Goulburn | Unanderra - Moss Vale | Unanderra - Moss Vale | 131.725 | Removed |
| Hollin's | Goulburn | Unanderra - Moss Vale | Unanderra - Moss Vale | 132.268 | Removed |
| Hollin's | Goulburn | Unanderra - Moss Vale | Unanderra - Moss Vale | 133.032 | Removed |
| Rudge's | Goulburn | Unanderra - Moss Vale | Unanderra - Moss Vale | 137.539 | Removed |
| Menzies | Goulburn | Unanderra - Moss Vale | Unanderra - Moss Vale | 139.51 | Removed |
| Gay's | Goulburn | Unanderra - Moss Vale | Unanderra - Moss Vale | 142.367 | Removed |
| Gay's | Goulburn | Unanderra - Moss Vale | Unanderra - Moss Vale | 142.91 | Removed |
| CONVENT LANE | Grafton | Casino - Murwillumbah | Casino - Murwillumbah | 805.267 | Removed |
| PEARCE'S | Grafton | Casino - Murwillumbah | Casino - Murwillumbah | 814.615 | Removed |
| BUNGABBEE YD | Grafton | Casino - Murwillumbah | Casino - Murwillumbah | 821.831 | Removed |
| WHITE'S | Grafton | Casino - Murwillumbah | Casino - Murwillumbah | 828.148 | Removed |
| HARLEY-WILCOX | Grafton | Casino - Murwillumbah | Casino - Murwillumbah | 832.815 | Removed |
| HARLEY-WILCOX | Grafton | Casino - Murwillumbah | Casino - Murwillumbah | 833.097 | Removed |
| WARLING'S | Grafton | Casino - Murwillumbah | Casino - Murwillumbah | 834.525 | Removed |
| WHITE'S | Grafton | Casino - Murwillumbah | Casino - Murwillumbah | 838.367 | Removed |
| DEAGAN'S | Grafton | Casino - Murwillumbah | Casino - Murwillumbah | 840.781 | Removed |
| VIRTUE'S | Grafton | Casino - Murwillumbah | Casino - Murwillumbah | 847.85 | Removed |
| BOOYONG YARD | Grafton | Casino - Murwillumbah | Casino - Murwillumbah | 857.197 | Removed |
| GREY'S | Grafton | Casino - Murwillumbah | Casino - Murwillumbah | 876.066 | Removed |
| GLOBE TROTTERS TOURS | Grafton | Casino - Murwillumbah | Casino - Murwillumbah | 885.602 | Removed |
| SWAMP ROAD | Grafton | Casino - Murwillumbah | Casino - Murwillumbah | 886.547 | Removed |
| QUARRY SIDING YARD | Grafton | Casino - Murwillumbah | Casino - Murwillumbah | 888.277 | Removed |
| ANDREW'S | Grafton | Casino - Murwillumbah | Casino - Murwillumbah | 888.821 | Removed |
| DRYNAN | Grafton | Casino - Murwillumbah | Casino - Murwillumbah | 890.25 | Removed |
| TYAGARAH YARD | Grafton | Casino - Murwillumbah | Casino - Murwillumbah | 890.43 | Removed |
| CORNWELL/HOUSEMAN | Grafton | Casino - Murwillumbah | Casino - Murwillumbah | 892.966 | Removed |



Administrative Closures

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|----------------------|---------|-----------------------|------------------------------|---------|---------|
| HIERONYMUS' | Grafton | Casino - Murwillumbah | Casino - Murwillumbah | 899.18 | Removed |
| HARNETT'S | Grafton | Casino - Murwillumbah | Casino - Murwillumbah | 915.8 | Removed |
| KENNEDY | Grafton | Casino - Murwillumbah | Casino - Murwillumbah | 931.267 | Removed |
| PACIFIC HWY. | Grafton | Casino - Murwillumbah | Casino - Murwillumbah | 938.576 | Removed |
| JERRETT'S | Grafton | Glenreagh - Dorrigo | Glenreagh - Dorrigo | 676.528 | Removed |
| FORRESTRY COMMISSION | Grafton | Glenreagh - Dorrigo | Glenreagh - Dorrigo | 692.767 | Removed |
| ACI CASEMAKERS | Grafton | Glenreagh - Dorrigo | Glenreagh - Dorrigo | 697.573 | Removed |
| | Grafton | Maitland - Brisbane | Telarah - Stratford Loop Jn | 195.334 | Removed |
| | Grafton | Maitland - Brisbane | Telarah - Stratford Loop Jn | 197.728 | Removed |
| | Grafton | Maitland - Brisbane | Telarah - Stratford Loop Jn | 198.271 | Removed |
| | Grafton | Maitland - Brisbane | Telarah - Stratford Loop Jn | 202.295 | Removed |
| | Grafton | Maitland - Brisbane | Telarah - Stratford Loop Jn | 203.622 | Removed |
| | Grafton | Maitland - Brisbane | Telarah - Stratford Loop Jn | 206.781 | Removed |
| | Grafton | Maitland - Brisbane | Telarah - Stratford Loop Jn | 209.215 | Removed |
| | Grafton | Maitland - Brisbane | Telarah - Stratford Loop Jn | 211.77 | Removed |
| P.J & M.R BLACK | Grafton | Maitland - Brisbane | Telarah - Stratford Loop Jn | 214.284 | Removed |
| WALLAROBBA YARD | Grafton | Maitland - Brisbane | Telarah - Stratford Loop Jn | 231.444 | Removed |
| | Grafton | Maitland - Brisbane | Telarah - Stratford Loop Jn | 258.521 | Removed |
| | Grafton | Maitland - Brisbane | Telarah - Stratford Loop Jn | 264.415 | Removed |
| | Grafton | Maitland - Brisbane | Telarah - Stratford Loop Jn | 265.783 | Removed |
| | Grafton | Maitland - Brisbane | Telarah - Stratford Loop Jn | 273.81 | Removed |
| G. GRANT | Grafton | Maitland - Brisbane | Telarah - Stratford Loop Jn | 283.607 | Removed |
| | Grafton | Maitland - Brisbane | Telarah - Stratford Loop Jn | 285.357 | Removed |
| | Grafton | Maitland - Brisbane | Stratford Loop Jn - Wauchope | 291.814 | Removed |
| | Grafton | Maitland - Brisbane | Stratford Loop Jn - Wauchope | 294.751 | Removed |
| | Grafton | Maitland - Brisbane | Stratford Loop Jn - Wauchope | 301.048 | Removed |
| | Grafton | Maitland - Brisbane | Stratford Loop Jn - Wauchope | 305.949 | Removed |
| | Grafton | Maitland - Brisbane | Stratford Loop Jn - Wauchope | 307.405 | Removed |
| | Grafton | Maitland - Brisbane | Stratford Loop Jn - Wauchope | 307.847 | Removed |
| | Grafton | Maitland - Brisbane | Stratford Loop Jn - Wauchope | 308.954 | Removed |
| | Grafton | Maitland - Brisbane | Stratford Loop Jn - Wauchope | 312.977 | Removed |
| | Grafton | Maitland - Brisbane | Stratford Loop Jn - Wauchope | 320.34 | Removed |
| | Grafton | Maitland - Brisbane | Stratford Loop Jn - Wauchope | 323.8 | Removed |
| BAKEWELL | Grafton | Maitland - Brisbane | Stratford Loop Jn - Wauchope | 341.764 | Removed |
| | Grafton | Maitland - Brisbane | Stratford Loop Jn - Wauchope | 344.48 | Removed |
| | Grafton | Maitland - Brisbane | Stratford Loop Jn - Wauchope | 347.558 | Removed |



Administrative Closures

| | | | | | |
|--------------------------|---------|---------------------|------------------------------|---------|---------|
| | Grafton | Maitland - Brisbane | Stratford Loop Jn - Wauchope | 348.524 | Removed |
| | Grafton | Maitland - Brisbane | Stratford Loop Jn - Wauchope | 353.472 | Removed |
| | Grafton | Maitland - Brisbane | Stratford Loop Jn - Wauchope | 355.504 | Removed |
| | Grafton | Maitland - Brisbane | Stratford Loop Jn - Wauchope | 355.806 | Removed |
| | Grafton | Maitland - Brisbane | Stratford Loop Jn - Wauchope | 359.407 | Removed |
| | Grafton | Maitland - Brisbane | Stratford Loop Jn - Wauchope | 360.171 | Removed |
| | Grafton | Maitland - Brisbane | Stratford Loop Jn - Wauchope | 360.734 | Removed |
| | Grafton | Maitland - Brisbane | Stratford Loop Jn - Wauchope | 361.579 | Removed |
| | Grafton | Maitland - Brisbane | Stratford Loop Jn - Wauchope | 363.55 | Removed |
| Mrs.CLATON/PRO.LEASED | Grafton | Maitland - Brisbane | Stratford Loop Jn - Wauchope | 369.043 | Removed |
| B. & I. ZIELKE | Grafton | Maitland - Brisbane | Stratford Loop Jn - Wauchope | 369.546 | Removed |
| | Grafton | Maitland - Brisbane | Stratford Loop Jn - Wauchope | 372.644 | Removed |
| | Grafton | Maitland - Brisbane | Stratford Loop Jn - Wauchope | 375.701 | Removed |
| | Grafton | Maitland - Brisbane | Stratford Loop Jn - Wauchope | 376.084 | Removed |
| URARA LANE | Grafton | Maitland - Brisbane | Stratford Loop Jn - Wauchope | 381.877 | Removed |
| | Grafton | Maitland - Brisbane | Stratford Loop Jn - Wauchope | 382.581 | Removed |
| | Grafton | Maitland - Brisbane | Stratford Loop Jn - Wauchope | 383.366 | Removed |
| | Grafton | Maitland - Brisbane | Stratford Loop Jn - Wauchope | 386.645 | Removed |
| BETTY HAMMOND 065 563206 | Grafton | Maitland - Brisbane | Stratford Loop Jn - Wauchope | 389.059 | Removed |
| BETTY HAMMOND 065 563206 | Grafton | Maitland - Brisbane | Stratford Loop Jn - Wauchope | 389.803 | Removed |
| | Grafton | Maitland - Brisbane | Stratford Loop Jn - Wauchope | 400.284 | Removed |
| | Grafton | Maitland - Brisbane | Stratford Loop Jn - Wauchope | 400.984 | Removed |
| | Grafton | Maitland - Brisbane | Stratford Loop Jn - Wauchope | 407.244 | Removed |
| | Grafton | Maitland - Brisbane | Stratford Loop Jn - Wauchope | 408.995 | Removed |
| | Grafton | Maitland - Brisbane | Stratford Loop Jn - Wauchope | 410.342 | Removed |
| | Grafton | Maitland - Brisbane | Stratford Loop Jn - Wauchope | 410.946 | Removed |
| | Grafton | Maitland - Brisbane | Stratford Loop Jn - Wauchope | 411.509 | Removed |
| | Grafton | Maitland - Brisbane | Stratford Loop Jn - Wauchope | 411.731 | Removed |
| | Grafton | Maitland - Brisbane | Stratford Loop Jn - Wauchope | 428.729 | Removed |
| | Grafton | Maitland - Brisbane | Stratford Loop Jn - Wauchope | 431.888 | Removed |
| | Grafton | Maitland - Brisbane | Stratford Loop Jn - Wauchope | 433.9 | Removed |
| | Grafton | Maitland - Brisbane | Stratford Loop Jn - Wauchope | 439.291 | Removed |
| | Grafton | Maitland - Brisbane | Stratford Loop Jn - Wauchope | 450.294 | Removed |
| LANDRIGANS | Grafton | Maitland - Brisbane | Stratford Loop Jn - Wauchope | 454.298 | Removed |
| | Grafton | Maitland - Brisbane | Wauchope - Macksville | 457.601 | Removed |
| | Grafton | Maitland - Brisbane | Wauchope - Macksville | 458.184 | Removed |



Administrative Closures

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|-------------------|---------|---------------------|--------------------------|---------|---------|
| | Grafton | Maitland - Brisbane | Wauchope - Macksville | 469.07 | Removed |
| CUTLER'S | Grafton | Maitland - Brisbane | Wauchope - Macksville | 469.96 | Removed |
| MUNDAY'S | Grafton | Maitland - Brisbane | Wauchope - Macksville | 474.938 | Removed |
| COOPERS | Grafton | Maitland - Brisbane | Wauchope - Macksville | 484.091 | Removed |
| DORAN'S | Grafton | Maitland - Brisbane | Wauchope - Macksville | 494.028 | Removed |
| DORAN'S | Grafton | Maitland - Brisbane | Wauchope - Macksville | 495.276 | Removed |
| KEMP'S | Grafton | Maitland - Brisbane | Wauchope - Macksville | 496.503 | Removed |
| BOULSTER'S | Grafton | Maitland - Brisbane | Wauchope - Macksville | 504.831 | Removed |
| SWAN'S | Grafton | Maitland - Brisbane | Wauchope - Macksville | 505.052 | Removed |
| GRIFFIN'S | Grafton | Maitland - Brisbane | Wauchope - Macksville | 505.254 | Removed |
| LAWRENCE'S | Grafton | Maitland - Brisbane | Wauchope - Macksville | 505.475 | Removed |
| SMITH & SAIL'S | Grafton | Maitland - Brisbane | Wauchope - Macksville | 512.852 | Removed |
| BARBER'S | Grafton | Maitland - Brisbane | Wauchope - Macksville | 543.335 | Removed |
| | Grafton | Maitland - Brisbane | Wauchope - Macksville | 545.185 | Removed |
| GOSLING'S | Grafton | Maitland - Brisbane | Wauchope - Macksville | 546.614 | Removed |
| McCUDDAN'S | Grafton | Maitland - Brisbane | Macksville - Glenreagh | 556.31 | Removed |
| BIDDELL'S | Grafton | Maitland - Brisbane | Macksville - Glenreagh | 557.939 | Removed |
| STANFORD | Grafton | Maitland - Brisbane | Macksville - Glenreagh | 559.267 | Removed |
| W.F. PITTS | Grafton | Maitland - Brisbane | Macksville - Glenreagh | 575.119 | Removed |
| KELSOLL'S | Grafton | Maitland - Brisbane | Macksville - Glenreagh | 596.101 | Removed |
| | Grafton | Maitland - Brisbane | Macksville - Glenreagh | 599.902 | Removed |
| SRA ONLY | Grafton | Maitland - Brisbane | Macksville - Glenreagh | 614.05 | Removed |
| LINTON'S | Grafton | Maitland - Brisbane | Macksville - Glenreagh | 621.328 | Removed |
| ARCHERY CLUB | Grafton | Maitland - Brisbane | Macksville - Glenreagh | 621.95 | Removed |
| CROSS | Grafton | Maitland - Brisbane | Macksville - Glenreagh | 622.4 | Removed |
| Dr.A.D.MORSILLO | Grafton | Maitland - Brisbane | Macksville - Glenreagh | 623.48 | Removed |
| CARL'S | Grafton | Maitland - Brisbane | Macksville - Glenreagh | 627.342 | Removed |
| OFF EASTBANK ROAD | Grafton | Maitland - Brisbane | Macksville - Glenreagh | 630.4 | Removed |
| STATE FORREST | Grafton | Maitland - Brisbane | Macksville - Glenreagh | 646.477 | Removed |
| EASTBANK ROAD | Grafton | Maitland - Brisbane | Macksville - Glenreagh | 647.902 | Removed |
| LANITZA YARD | Grafton | Maitland - Brisbane | Glenreagh - Camira Creek | 672.324 | Removed |
| LANITZA YARD | Grafton | Maitland - Brisbane | Glenreagh - Camira Creek | 672.605 | Removed |
| LEADING'S | Grafton | Maitland - Brisbane | Glenreagh - Camira Creek | 678.359 | Removed |
| BRAUNSTONE YARD | Grafton | Maitland - Brisbane | Glenreagh - Camira Creek | 683.307 | Removed |
| SCHWINGHAMMER'S | Grafton | Maitland - Brisbane | Glenreagh - Camira Creek | 690.73 | Removed |
| MILTON ST | Grafton | Maitland - Brisbane | Glenreagh - Camira Creek | 699.723 | Removed |



Administrative Closures

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|--------------------|---------|---------------------|--------------------------|---------|--------------|
| HOWE ST | Grafton | Maitland - Brisbane | Glenreagh - Camira Creek | 700.004 | Removed |
| GRASS ST | Grafton | Maitland - Brisbane | Glenreagh - Camira Creek | 701.397 | Removed |
| PAGE'S | Grafton | Maitland - Brisbane | Glenreagh - Camira Creek | 704.531 | Removed |
| McNEIL'S | Grafton | Maitland - Brisbane | Glenreagh - Camira Creek | 705.989 | Removed |
| EXPERIMENTAL FARM | Grafton | Maitland - Brisbane | Glenreagh - Camira Creek | 707.206 | Removed |
| LOCKLANS | Grafton | Maitland - Brisbane | Glenreagh - Camira Creek | 710.163 | Removed |
| EMERGENCY | Grafton | Maitland - Brisbane | Glenreagh - Camira Creek | 710.585 | Removed |
| SMALL'S | Grafton | Maitland - Brisbane | Glenreagh - Camira Creek | 716.339 | Removed |
| OLD GRA - CAS RD | Grafton | Maitland - Brisbane | Glenreagh - Camira Creek | 735.47 | Removed |
| LAWRENCE ROAD | Grafton | Maitland - Brisbane | Glenreagh - Camira Creek | 736.272 | Removed |
| CARDOW'S | Grafton | Maitland - Brisbane | Camira Creek - Casino | 783.244 | Removed |
| STOCK ROUTE | Grafton | Maitland - Brisbane | Camira Creek - Casino | 791.294 | Removed |
| CANTERBURY ST | Grafton | Maitland - Brisbane | Casino - Border Loop | 805.175 | Removed |
| IAN HAMITAL | Grafton | Maitland - Brisbane | Casino - Border Loop | 818.119 | Removed |
| LITTLES | Grafton | Maitland - Brisbane | Casino - Border Loop | 828.602 | Removed |
| CAMPBELL/DUNCANS | Grafton | Maitland - Brisbane | Casino - Border Loop | 832.152 | Removed |
| JOHN STEPHENSON | Grafton | Maitland - Brisbane | Casino - Border Loop | 849.533 | Removed |
| MICK McNAMARA | Grafton | Maitland - Brisbane | Casino - Border Loop | 860.576 | Removed |
| McKENZIE'S | Grafton | Maitland - Brisbane | Casino - Border Loop | 866.516 | Removed |
| McKENZIE'S | Grafton | Maitland - Brisbane | Casino - Border Loop | 867.155 | Removed |
| BURKE/HARDY | Grafton | Maitland - Brisbane | Casino - Border Loop | 868.18 | Removed |
| DRYNANS | Grafton | Maitland - Brisbane | Border Loop - Brisbane | 888.177 | Removed |
| Mr.P.MOLONEY | Grafton | Maitland - Brisbane | Border Loop - Brisbane | 893.2 | Removed |
| SALISBURYS | Grafton | Maitland - Brisbane | Border Loop - Brisbane | 894.896 | Removed |
| LEWIS | Grafton | Maitland - Brisbane | Border Loop - Brisbane | 906.463 | Removed |
| TODDS EST. | Grafton | Maitland - Brisbane | Border Loop - Brisbane | 912.498 | Removed |
| DENNIS | Grafton | Maitland - Brisbane | Border Loop - Brisbane | 914.651 | Removed |
| WALSHS | Grafton | Maitland - Brisbane | Border Loop - Brisbane | 915.073 | Removed |
| TANCREDS MEATWORKS | Grafton | Maitland - Brisbane | Border Loop - Brisbane | 923.884 | Removed |
| STOCK ROUTE | Grafton | Maitland - Brisbane | Border Loop - Brisbane | 926.761 | Removed |
| TILLY/ROBINSONS | Grafton | Maitland - Brisbane | Border Loop - Brisbane | 928.752 | Removed |
| FERGUSONS | Grafton | Maitland - Brisbane | Border Loop - Brisbane | 933.48 | Removed |
| FERGUSONS | Grafton | Maitland - Brisbane | Border Loop - Brisbane | 934.244 | Removed |
| BRENNAN'S | Grafton | Maitland - Brisbane | Border Loop - Brisbane | 941.788 | To Be Closed |
| BRENNAN'S | Grafton | Maitland - Brisbane | Border Loop - Brisbane | 944.906 | To Be Closed |
| NEWBEITH ROAD | Grafton | Maitland - Brisbane | Border Loop - Brisbane | 945.651 | To Be Closed |



Administrative Closures

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|--------------------------|--------------|---------------------------|--------------------------|---------|--------------|
| WINNE'S | Grafton | Maitland - Brisbane | Border Loop - Brisbane | 947.018 | To Be Closed |
| FLYNN'S | Grafton | Maitland - Brisbane | Border Loop - Brisbane | 948.97 | Removed |
| PUB LANE | Grafton | Maitland - Brisbane | Border Loop - Brisbane | 953.637 | Removed |
| BOYLE'S | Grafton | Maitland - Brisbane | Border Loop - Brisbane | 954.039 | Removed |
| OLD GREENBANK ROAD | Grafton | Maitland - Brisbane | Border Loop - Brisbane | 955.286 | Removed |
| HOOPER'S | Grafton | Maitland - Brisbane | Border Loop - Brisbane | 961.865 | Removed |
| HOOPER'S | Grafton | Maitland - Brisbane | Border Loop - Brisbane | 962.046 | Removed |
| SHAW'S | Grafton | Maitland - Brisbane | Border Loop - Brisbane | 965.285 | Removed |
| J.V.SMITH'S | Grafton | Maitland - Brisbane | Border Loop - Brisbane | 966.512 | Removed |
| VICRETE INDUSTRIES | Grafton | Maitland - Brisbane | Border Loop - Brisbane | 967.517 | Removed |
| HENSON'S | Grafton | Maitland - Brisbane | Border Loop - Brisbane | 968.745 | Removed |
| MOFFITT'S | Grafton | Maitland - Brisbane | Border Loop - Brisbane | 970.434 | Removed |
| HATCHMAN-SWAN'S | Grafton | Maitland - Brisbane | Border Loop - Brisbane | 970.636 | Removed |
| MEED'S | Grafton | Maitland - Brisbane | Border Loop - Brisbane | 971.481 | Removed |
| NORUP'S | Grafton | Maitland - Brisbane | Border Loop - Brisbane | 973.794 | Removed |
| LEGGETT-SELBY | Grafton | Maitland - Brisbane | Border Loop - Brisbane | 973.935 | Removed |
| CLAPHAM YD | Grafton | Maitland - Brisbane | Border Loop - Brisbane | 979.004 | Removed |
| | Grafton | Maitland - Brisbane | Border Loop - Brisbane | 980.915 | Removed |
| | Grafton | Maitland - Brisbane | Border Loop - Brisbane | 982.344 | Removed |
| | Newcastle-Co | Muswellbrook - Gulgong | Muswellbrook - Ulan | 309.055 | Removed |
| ANDRUCE P/L (REMOVED) | Newcastle-Co | Muswellbrook - Gulgong | Muswellbrook - Ulan | 312.986 | Removed |
| R.& S. HANNON,D.&L.POPLE | Newcastle-Co | Muswellbrook - Gulgong | Muswellbrook - Ulan | 320.852 | Removed |
| CLOSED | Newcastle-Co | Muswellbrook - Gulgong | Muswellbrook - Ulan | 322.573 | Removed |
| M. COWAN & S. SEARLE | Newcastle-Co | Muswellbrook - Gulgong | Muswellbrook - Ulan | 341.916 | Removed |
| | Newcastle-Co | Strathfield - Wallangarra | Bloomfield Jn - Maitland | 190.365 | Removed |
| | Newcastle-Co | Strathfield - Wallangarra | Maitland - Whittingham | 194.61 | Removed |
| | Newcastle-Co | Strathfield - Wallangarra | Maitland - Whittingham | 195.777 | Removed |
| | Newcastle-Co | Strathfield - Wallangarra | Maitland - Whittingham | 202.536 | Removed |
| | Newcastle-Co | Strathfield - Wallangarra | Maitland - Whittingham | 205.775 | Removed |
| MR WENDT | Newcastle-Co | Strathfield - Wallangarra | Maitland - Whittingham | 207.545 | Removed |
| MR WENDT | Newcastle-Co | Strathfield - Wallangarra | Maitland - Whittingham | 209.838 | Removed |
| | Newcastle-Co | Strathfield - Wallangarra | Maitland - Whittingham | 210.16 | Removed |
| BAROONA PASTURAL CO P/L | Newcastle-Co | Strathfield - Wallangarra | Maitland - Whittingham | 229.271 | Removed |
| MANAGEMENT AVIATION P/L | Newcastle-Co | Strathfield - Wallangarra | Whittingham - Camberwell | 235.025 | Removed |
| MR HAMILTON | Newcastle-Co | Strathfield - Wallangarra | Whittingham - Camberwell | 236.815 | Removed |
| GYARRAN P/L | Newcastle-Co | Strathfield - Wallangarra | Antiene - Muswellbrook | 284.934 | Removed |



Administrative Closures

| | | | | | |
|-------------|--------------|---------------------------|----------------------------|---------|---------------|
| GYARRAN P/L | Newcastle-Co | Strathfield - Wallangarra | Antiene - Muswellbrook | 286.222 | Removed |
| | Newcastle-Co | Strathfield - Wallangarra | Dartbrook Col Jn - Ardglen | 340.497 | Removed |
| | Newcastle-Co | Strathfield - Wallangarra | Dartbrook Col Jn - Ardglen | 353.593 | Removed |
| | Newcastle-Co | Strathfield - Wallangarra | Dartbrook Col Jn - Ardglen | 359.869 | Removed |
| | Newcastle-Co | Strathfield - Wallangarra | Ardglen - Werris Creek | 374.012 | Removed |
| | Newcastle-Co | Strathfield - Wallangarra | Ardglen - Werris Creek | 385.981 | Removed |
| | Newcastle-Co | Strathfield - Wallangarra | Ardglen - Werris Creek | 394.39 | Removed |
| WATSON | Wagga Wagga | Cabramatta - Albury | Culcairn - Albury | 612.295 | To Be Removed |



Annual Incident Report

The background of the slide features a faded, grayscale image of a railroad crossing. It includes a tall signal post with a light, two 'RAILROAD CROSSING' signs, a 'STOP' sign, and a circular sign with a smiley face. The text is overlaid on this background.

- Fatal Train / RMV Collisions
- Minor Train / RMV Collisions
- RMV Driver Carelessness
- Vandalism
- Other Recorded Incidents

2001/02 Level Crossing Incident Summary

| Date | Location | Details |
|--|--------------|--|
| Fatal Train / RMV collisions | | |
| 07/02/02 | Namoonna | XPT struck RMV, fatal injuries to RMV driver, lights/bells functioning |
| 12/02/02 | Albury | XPT struck light truck, fatal injuries to RMV driver, lights/bells functioning |
| Minor train / RMV collisions | | |
| 01/08/01 | Casula | Passenger EMU struck car, driver stopped on crossing as activated, RMV minor injuries |
| 11/10/01 | Bethungra | Freight struck RMV, minor injuries |
| 23/11/01 | Dunmore | Freight struck 3t lorry, RMV driver DUI & unlicensed, minor injuries |
| 29/11/01 | Griffith | Freight struck car, RMV driver received head injuries |
| 05/12/01 | Murrumbidgee | Freight struck lorry, RMV driver serious injuries, loco derailed |
| 07/12/01 | Barmedman | Freight struck lorry trailer, no reported injuries, minor damage |
| 02/01/02 | Cooks River | Freight struck RMV, no injuries reported |
| 10/01/02 | East Greta | Freight struck RMV, RMV minor injuries |
| 02/03/02 | Albury | Freight struck RMV, no reported injuries |
| 29/03/02 | North Casino | XPT struck rear of excavator traversing level crossing, minor injury to excavator driver |
| 05/04/02 | Yanco | Freight struck lorry, no reported injuries |
| 20/04/02 | Gulgong | Track machine struck by RMV, no reported injuries |
| 04/06/02 | Ardlethan | Freight struck RMV, RMV driver minor injuries |
| 26/06/02 | Murwillumbah | Freight struck by RMV, no reported injuries |
| RMV driver careless – numerous incidents | | |
| Typical incidents include: | | |
| <ul style="list-style-type: none"> • booms damaged by vehicles driving through late/early while lowering or while lowered • near misses with RMV where RMV driver fails to observe signage or train • RMV fouling tracks as a result of a road incident | | |
| Vandalism: numerous incidents involving damage to equipment, signage and booms | | |
| Other recorded incidents include equipment faults/level crossing condition/power failures etc | | |
| <ul style="list-style-type: none"> • The Working Group is investigating effective methods to highlight and review those incidents that may be safety critical. This process is problematic due to poor incident data currently recorded through the SAD and SIGCOM systems. Analysis requires extensive review of recorded data | | |



Issues Encountered

- Local Government Support
- Pedestrian Crossings
- Prior Commitments
- LCSC Secretariat
- Federal Funding
- Compliance with AS 1742.7
- Closures
- LCAM assessment of all sites

Issues Encountered

| | |
|-------------------------------------|---|
| Local Government support | <ul style="list-style-type: none"> • Unable to rely on 1/3 contribution on local roads • Contributions for current year program • Local Government reluctance to meet LCSC timetable • Need early announcement of forward program |
| Pedestrian crossings | <ul style="list-style-type: none"> • People with disabilities are a significant factor in risk assessments and construction requirements • Risk assessment methodology needs development |
| Prior commitments | <ul style="list-style-type: none"> • 2001/2002 upgrade program based on sites nominated by RTA regions • No formal risk assessments carried out to determine sites • Some upgrades based on emotional factors |
| LCSC Secretariat | <ul style="list-style-type: none"> • No LCSC secretariat since 2001 • Affecting functionality and effectiveness of LCSC • Initiatives delayed |
| Federal funding | <ul style="list-style-type: none"> • Opportunities for Federal funding pursued through Minister • 13 sites on Federal Highways nominated for funding in 2002/2003 • Funding sought for crossings on Interstate track |
| Compliance with AS 1742.7 | <ul style="list-style-type: none"> • General lack of compliance on RTA and Local Government roads • Local Government resourcing issue |
| Closures | <ul style="list-style-type: none"> • Process agreed but needs resources to coordinate • Time consuming requirements in legislation |
| LCAM assessment of all sites | <ul style="list-style-type: none"> • Variable data on hand for initial rating • Sites need stakeholder inspection for reliable score |



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RTA Wagga Road Safety Managers and Officers
RTA Parkes Road Safety Managers and Officers
RTA Grafton Road Safety Managers and Officers
RTA Newcastle Road Safety Managers and Officers
RTA Wollongong Road Safety Managers and Officers

Dubbo City Council Road Safety and Engineering
Wagga City Council Road Safety and Engineering
Wingecarribee Shire Council Road Safety and Engineering
Griffith City Council Road Safety and Engineering
Moree Plains Shire Council Road Safety and Engineering
Rylstone Shire Council Road Safety and Engineering

RIC Cootamundra Signal Construction Team
RIC Bathurst Signal Construction Team
RIC Hamilton Signal Construction Team
RIC Signal Design Staff
RIC Signalling Standards Staff
RIC Stores and supply Managers and Staff
RIC Rail Equipment Centre Staff

