

Concrete Pavement Management Best Practice



City of Canada Bay



Previously an Industrial Area



Depression Works

Sydney Harbour Bridge

Captain De Groot Protesting the opening of the Harbour Bridge 1932



Great North Road, Five Dock

**Concrete Pavement Installed
Late 1920's**

**Original Pavement Performing
100 years on**



Concrete Pavements Forever

- Jointed Reinforced Concrete Pavements
- Slab lengths 12 metres
- R12 reinforcement
- 200 – 250mm thick
- Key joints
- 200mm compacted road base or sandstone ballast as a sub-base.

Quality + Maintenance = Pavements Forever

- Good Contractor + Good Spec = Great Project
- Good Contractor + Poor Spec = Good Project
- Poor Contractor + Good Spec = Poor Project
- Poor Contractor + Poor Spec = Bad Project

Good Contractors with managed quality systems are essential.

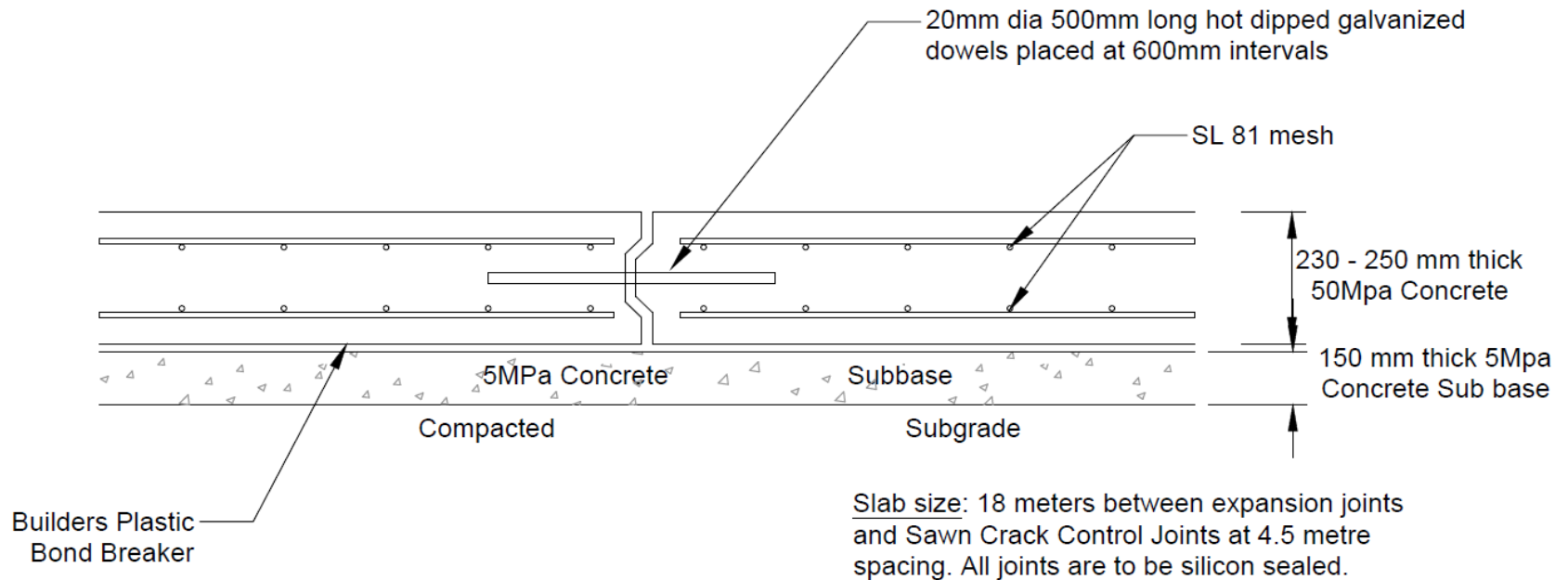
Pavement Management Strategy

- Manage to maintain the highest network condition index
- Good for financial performance reporting
- Conduct timely maintenance/ treatments to prevent condition 1 pavement becoming condition 2 pavements and so on.
- Last priority for budget are condition 5 pavements as renewal is expensive.

Not all Specifications are the Same

Use AUSPEC

CITY OF CANADA BAY CONCRETE PAVEMENT SPECIFICATION



Concrete Pavement useful lives

- Municipal Concrete Pavements have lasted 100 years.
- They will last another 100 years
- Recognise the actual useful lives of concrete pavements to 200 years in the Financial Register
- Reduces the annual asset depreciation
- Utilities will use a residual life argument against Council.

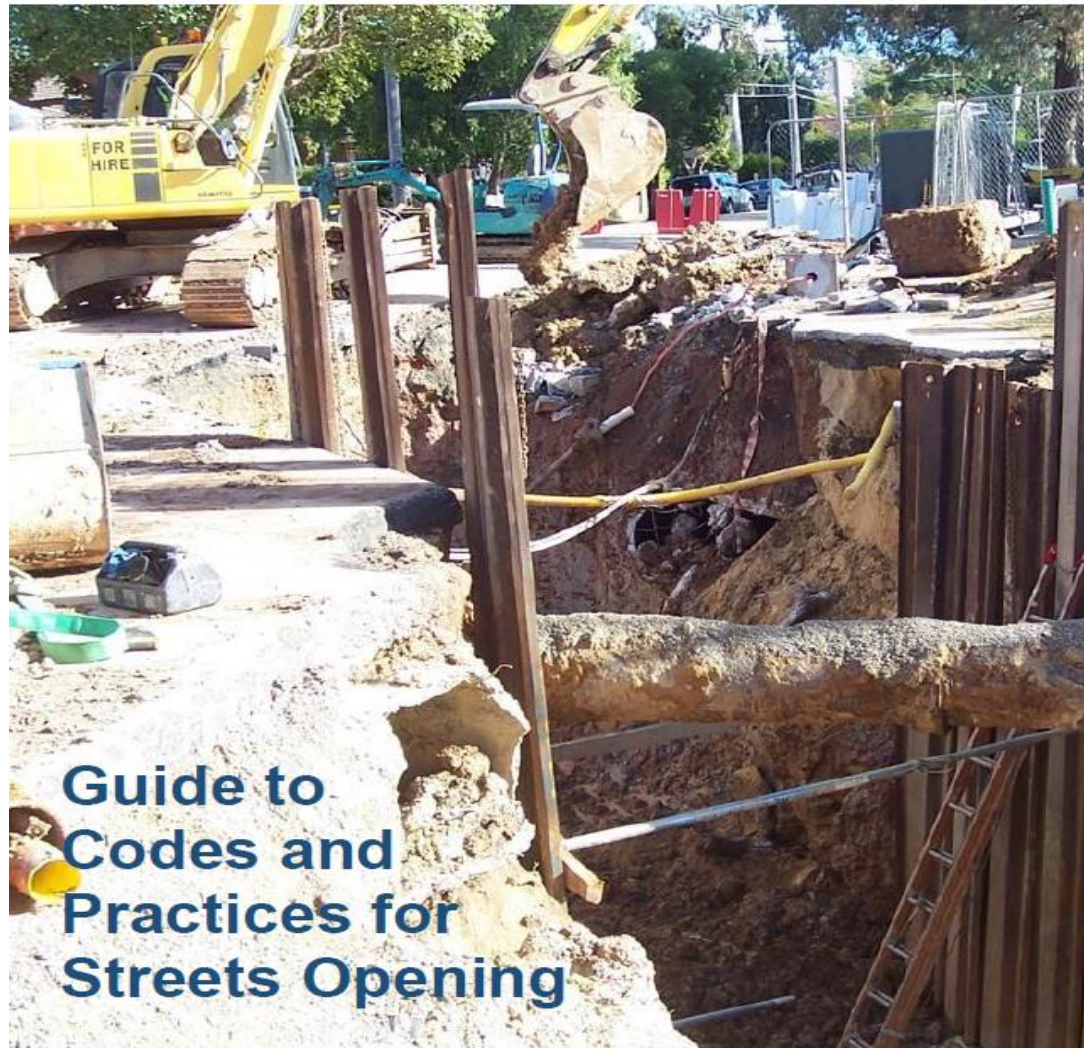
Restorations

- **NSW ROADS ACT 1993 - SECT 101**
- **Restoration of public road following excavation etc**
- (1) A roads authority may direct to restore the road to its previous condition.
- (3) A direction under this section may specify: (a) the manner in which or the standard to which





NSW Streets Opening Coordination Council



Guide to Codes and Practices for Streets Opening

AUSGRID LOVE TRAFFICABLE LANES



Fast Setting Concrete



Asphaltic Concrete Overlays



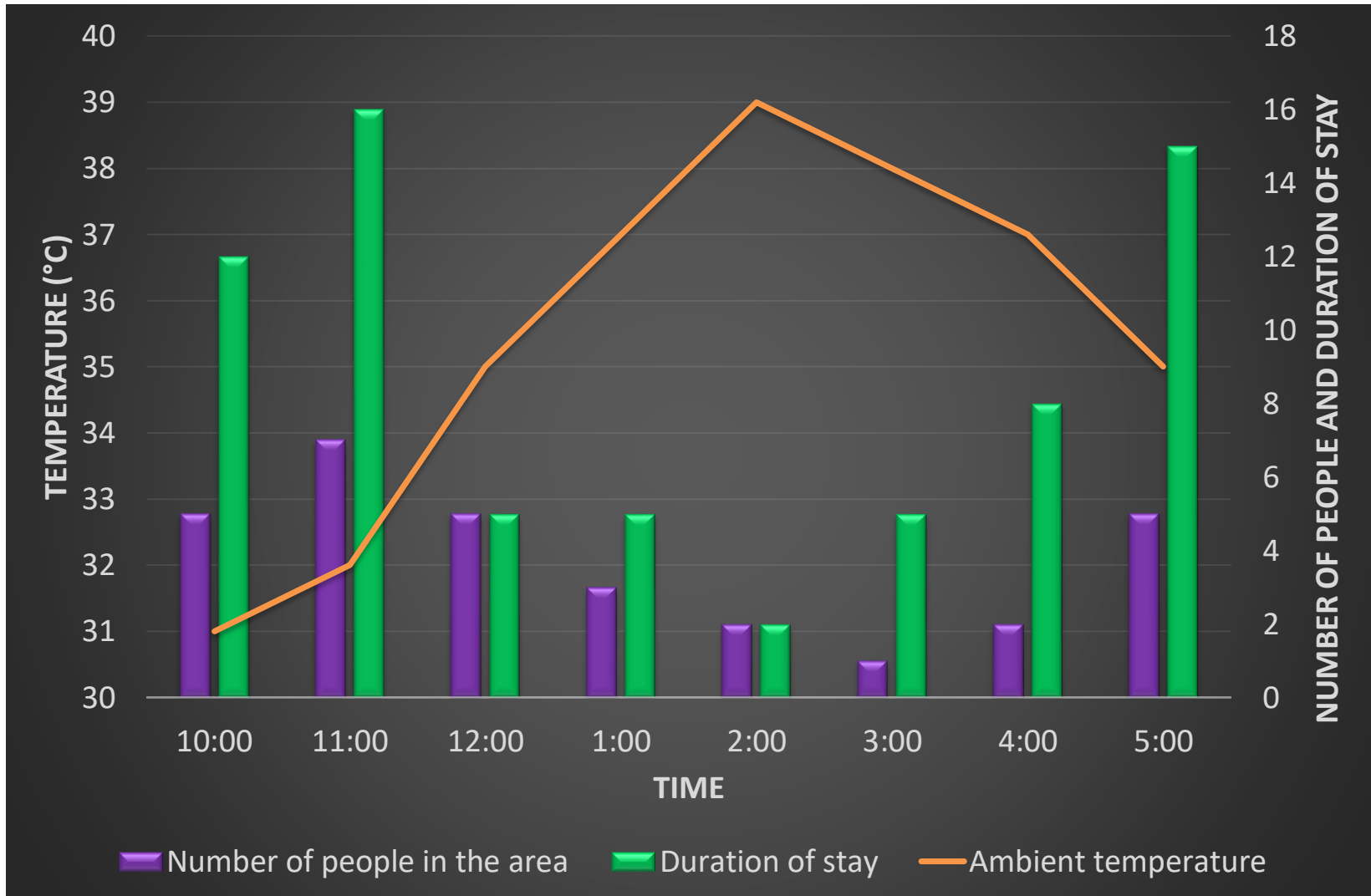
Road Planing – Diamond Grinding



Concrete for Cooling



Place Activation W.R.T Time and Temperature



Clovelly Promenades



Clovelly Promenades Joints after 16 years



Five Dock Skate Park



Hooray for Concrete Pavements

