

NORTH SYDNEY COUNCIL  
**ASSET MANAGEMENT PLAN**  
**FOOTPATHS 2022-2032**





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## Footpaths (Within Roads, Parks & Walking Tracks)

### Executive Summary

In the North Sydney Council Local Government Area (LGA) there is approximately a total of 263km of footpath assets located within road reserves and parks (including walking tracks).

This Asset Management Plan details information about the infrastructure assets of Footpaths (Roads, Parks and Walking Tracks). It outlines the required actions to maintain the current level of service in the most cost effective manner while outlining associated risks within each of the asset classes.

Footpath assets in North Sydney provide a vital service to the local community providing access to all parts of the council area in all weather conditions.

Different surface treatments are specified for the North Sydney Centre, Village Centres/Activity Strips, Special Areas (St Leonards, Education Precinct and Bradfield Park) and Local/Residential Areas in the Public Domain Style Manual (PDSM).

The footpath surface treatment, in general, is as follows:

- North Sydney Centre and Education Precinct is granite on a reinforced concrete slab base.
- Village Centres/Activity Strips and the Special Area of St Leonards is precast concrete unit paver on a reinforced concrete slab base.
- Local/Residential Areas is concrete with a wood float finish.
- Parks and reserves is a mixture of Asphalt and Concrete.

In 2019 Rapid Map Services consultants conducted a Footpath condition audit for North Sydney Council. The objective was to conduct a detailed inventory data collection snapshot to determine condition and defects.

Council has approximately 263.6km of footpath assets on roads, parks and walking tracks in total.

Overall, some 93.5% of the portfolio is in very good to fair condition (1-3) and 6.5% in poor to very poor condition (4-5).

A Risk rating was assigned to each component. Overall, 93.5% of the portfolio has a low to medium risk rating and 6.5% has a high to very high risk rating.

The total Replacement Value of the portfolio is \$123,242,686 as at 30 June 2021. The values are shown in the Table below.

**Table 1: Footpaths - Summary Table**

| Asset Category    | Length (m)     | Replacement Value (2021) | Accumulated Depreciation (2021) | Fair Value (2021)   | Depreciation Expense |
|-------------------|----------------|--------------------------|---------------------------------|---------------------|----------------------|
| Footpaths - Roads | 263,637        | \$123,242,686            | \$41,397,229                    | \$81,845,457        | \$3,190,669          |
| <b>TOTAL</b>      | <b>263,637</b> | <b>\$123,242,686</b>     | <b>\$41,397,229</b>             | <b>\$81,845,457</b> | <b>\$3,190,669</b>   |

The following table provides a summary of the quantities and replacement values for each footpath type. The portfolio is dominated by concrete and paved footpaths.



**Table 2: Footpaths – Typology**

| <b>Footpath Type</b>            | <b>Material</b>                          | <b>Length (m)</b>  | <b>Sum of Replace Costs</b> |
|---------------------------------|--|--------------------|-----------------------------|
| <b>Foot Bridge</b>              | Concrete                                 | 41                 | \$147,356                   |
|                                 | Fibreglass                               | 7                  | \$31,237                    |
|                                 | Steel                                    | 67                 | \$250,605                   |
|                                 | Timber                                   | 159                | \$349,123                   |
| <b>Pedestrian Footpath</b>      | Asphaltic Concrete                       | 11,750             | \$1,903,268                 |
|                                 | Brick Paver                              | 788                | \$495,307                   |
|                                 | CNS Brick paver (Chamfered)              | 13,330             | \$11,988,072                |
|                                 | CNS Brick Paver (Not Chamfered)          | 8,187              | \$6,545,832                 |
|                                 | Concrete                                 | 199,516            | \$42,437,980                |
|                                 | Concrete Paver                           | 216                | \$150,643                   |
|                                 | Ernest Place Style Honed Concrete Paver  | 620                | \$1,057,980                 |
|                                 | Granite Paver                            | 5,741              | \$16,276,391                |
|                                 | Gravel                                   | 1,195              | \$93,214                    |
|                                 | Interlocking Concrete Paver - Charcoal   | 65                 | \$46,723                    |
|                                 | Interlocking Concrete Paver - Terracotta | 601                | \$840,014                   |
|                                 | Mitchell St Plaza Style Pavers           | 1,609              | \$2,187,829                 |
|                                 | Precast Concrete Paver- Honed            | 5,126              | \$5,624,538                 |
|                                 | Sandstone Paver                          | 42                 | \$105,158                   |
|                                 | Soft Fall Material                       | 59                 | \$23,740                    |
|                                 | Stone                                    | 234                | \$260,773                   |
|                                 | Stone Pitchers                           | 241                | \$408,516                   |
|                                 | Synthetic Turf                           | 15                 | \$8,459                     |
|                                 | Unsealed                                 | 648                | \$0                         |
|                                 | <b>Stairs</b>                            | Asphaltic Concrete | 151                         |
| Brick Paver                     |  | 29                 | \$90,320                    |
| CNS Brick paver (Chamfered)     |  | 117                | \$882,703                   |
| CNS Brick Paver (Not Chamfered) |  | 55                 | \$286,952                   |
| Concrete                        |  | 5,336              | \$19,350,662                |
| Concrete Paver                  |  | 7                  | \$13,965                    |
| Granite Paver                   |  | 39                 | \$238,745                   |
| Sandstone Paver                 |  | 133                | \$760,199                   |
| Steel                           |  | 123                | \$745,984                   |
| Stone                           |  | 1,367              | \$6,320,492                 |
| Stone Pitchers                  |  | 49                 | \$238,045                   |
| Timber                          |  | 829                | \$1,780,132                 |
| Unsealed                        |  | 100                | \$169,378                   |
| <b>Viewing Platform</b>         |  | Concrete           | 4                           |
|                                 | Metal                                    | 68                 | \$324,195                   |
|                                 | Timber                                   | 23                 | \$43,605                    |
|                                 | Timber, Concrete                         | 5                  | \$16,588                    |
| <b>Walking Track</b>            | Gravel                                   | 36                 | \$11,068                    |
|                                 | Soft Fall Material                       | 10                 | \$5,630                     |
|                                 | Stone                                    | 51                 | \$56,005                    |
|                                 | Unsealed                                 | 4,850              | \$0                         |
| <b>Grand Total</b>              |  | <b>263,637</b>     | <b>\$123,242,686</b>        |

## Footpaths – Future Demand

Drivers affecting demand for footpaths include things such as population change, regulation changes – new development, community expectations (Public Safety), technological changes, economic factors and environmental factors. As North Sydney is a “brown field” site most footpath capital projects are either renewal or upgrade to meet Public Domain Style Manual. Generally no new paths are built. The provision of new footpaths is assessed as required.

## Footpaths – Levels of Customer Service

Service levels are defined service levels in two terms, customer levels of service and technical levels of service. These are supplemented by organisational measures.

**Customer Levels of Service** measure how the customer receives the service and whether value to the customer is provided.

Customer levels of service measures used in the asset management plan are:

**Quality** How good is the service ... *what is the condition or quality of the service?*

**Function** Is it suitable for its intended purpose .... *Is it the right service?*

**Capacity/Use** Is the service over or under used ... *do we need more or less of these assets?*

The current and expected customer service levels are detailed in Table 3 below.

**Table 3: Footpaths – Levels of Customer Service**

| Service Attribute       | Expectation   | Performance Measure Used  | Current Performance   | Desired Position in 10 Years.   |
|-------------------------|---|---|---|---|
| <b>Quality</b>          | Footpaths are well maintained.  | Percentage of Footpaths in ‘very good’, ‘good’ or ‘Fair’ (1, 2, 3) condition and percentage ‘poor’ or ‘very poor’ (4, 5) Condition. | 93.5% of Footpaths in in ‘very good’, ‘good’ or ‘Fair’ (1, 2, 3) condition.<br><br>6.5% of Footpaths in ‘poor’ or ‘very poor’ (4, 5) Condition. | Maintain – Condition 1-2-3<br><br>Improve and replace Condition 4-5                                 |
| <b>Function</b>         | Footpaths meet the standard of the Public Domain Style Manual and Infrastructure Specification. | Area of Footpaths meet the standard of the Public Domain Style Manual and Infrastructure Specification.                             | Footpaths constructed meet the standard of the Public Domain Style Manual and Infrastructure Specification.                                     | All Footpaths meet the standard of the Public Domain Style Manual and Infrastructure Specification. |
| <b>Capacity and Use</b> | Appropriate provision of formed footpaths.  | New Footpaths provided subject to needs, physical constraints, demand, and cost.  | Footpath provision assessed as required.  | Footpath provision assessed as required.  |

## Footpaths – Levels of Technical Service

**Technical Levels of Service** - Supporting the customer service levels are operational or technical measures of performance. These technical measures relate to the allocation of resources to service activities to best achieve the desired customer outcomes and demonstrate effective performance.

Technical service measures are linked to the activities and annual budgets covering:

- Operations – the regular activities to provide services (e.g. cleansing, inspections, etc).
- Maintenance – the activities necessary to retain an asset as near as practicable to an appropriate service condition. Maintenance activities enable an asset to provide service for its planned life (e.g. footpath repair – patching, minor works),
- Renewal – the activities that return the service capability of an asset up to that which it had originally (e.g. footpath replacement and or footpath reconstruction),
- Upgrade/New – the activities to provide a higher level of service (e.g. widening a footpath, constructing a footpath where none previously existed, replacing an existing footpath with a different type as per Public Domain Style Manual).

Table 4 shows the technical levels of service expected to be provided for Footpaths. The ‘Desired’ position in the table documents the position being recommended in this Asset Management Plan

**Table 4: Footpaths – Technical Levels of Service**

| Service Attribute  | Service Activity Objective                                     | Activity Measure Process  | Current Performance   | Desired for Optimum Lifecycle Cost  |
|--------------------|--|---|---|---|
| <b>Operations</b>  | Proactive inspections to monitor condition                     | Inspect as per MMS schedule   | Inspect as per MMS schedule   | Inspect as per MMS schedule   |
| <b>Maintenance</b> | Service requests completed within adopted timeframes           | Respond to inspection outcomes and complaints   | Minor repairs undertaken in accordance with MMS intervention matrix and taking into account available resources                                 | Minor repairs undertaken in accordance with MMS intervention matrix with no resource issues |
| <b>Renewal</b>     | Maintain existing assets to a satisfactory condition           | Percentage of Footpaths in ‘very good’, ‘good’ or ‘Fair’ (1, 2, 3) condition and percentage ‘poor’ or ‘very poor’ (4, 5) Condition. | 93.5% of Footpaths in in ‘very good’, ‘good’ or ‘Fair’ (1, 2, 3) condition.<br><br>6.5% of Footpaths in ‘poor’ or ‘very poor’ (4, 5) Condition. | Maintain – Condition 1-2-3<br><br>Improve and replace Condition 4-5                         |
| <b>Upgrade</b>     | Footpaths meet the standard of the Public Domain Style Manual. | Area of Footpaths meet the standard of the Public Domain Style Manual.  | Footpaths constructed meet the standard of the Public Domain Style Manual.  | All Footpaths meet the standard of the Public Domain Style Manual.                          |
| <b>New</b>         | Satisfactory provision of formed footpaths.                    | New Footpaths provided subject to needs, physical constraints, demand, and cost.  | Footpath provision assessed as required.  | Footpath provision assessed as required.  |

## Footpaths – Condition

The condition of Council’s Footpath network was surveyed in 2019 by Consultants, Rapid Map Services Pty Ltd in conjunction with Asset & Facilities Management Consulting Pty Ltd. The following condition criteria was used.

**Table 5: Footpaths Condition Survey Criteria**

| Grade | Condition     | Description  |
|-------|---------------|--|
| 0     | Not inspected | Not inspected as no footpath structure exists at segment or due to access issues.  |
| 1     | Very Good     | Almost new construction, with perfect alignment and excellent surface condition. Displays no defects, substantial surface blemishes, post construction patching or reinstatements.<br><b>No work required</b>  |
| 2     | Good          | Sound construction with good surface condition and no obvious distortion. May show limited surface ageing by revealing the tops of sporadic stone aggregates. Still exhibits a smooth surface profile. May include joint stepping < 10mm, successful reinstatements, isolated slight surface grinding or minor distress not exceeding 10% of inspection area.<br><b>Only minor work required</b>   |
| 3     | Fair          | Reasonable construction with serviceable surface. May show moderate surface ageing revealing substantial portions of stone aggregates. May display minor surface defects, moderate to heavy surface grinding, areas of substantial surface deterioration or distortions that consist of stepping between 10mm and 25mm vertically or reasonably obvious undulations up to 75mm, non-reinstated areas, minor defects affecting < 25% of inspection area, major defects affecting < 10% of inspection area.<br><b>Some work required</b> |
| 4     | Poor          | Construction displays substantial surface deterioration. May show surface ageing where the majority is rough from highly exposed or missing aggregates. May display distortions that consist of stepping between 25mm and 50mm vertically or obvious undulations between 75mm and 150mm affecting pedestrian traffic, minor defects affecting between 25% and 50% of inspection area, major defects affecting < 25% of inspection area.<br><b>Some replacement or rehabilitation needed</b>  |
| 5     | Very Poor     | Construction displays extensive surface deterioration. May show extreme ageing of surface. May display distortions that consist of stepping > 50mm or undulation > 150mm within the predominant pedestrian traffic area, minor defects affecting >50% of inspection area, major defects affecting > 25% of inspection area.<br><b>Urgent replacement/rehabilitation required</b>   |

Notes:

- The above descriptions are considered generic and apply to all hard standing constructions regardless of material type.
- Minor defects include, Cracking < 5mm wide, Chipping or Spalling < 150mm diameter & < 25mm deep, Corner or Edge Breaks < 150mm diagonal & < 15mm distortion.
- Major defects include, Cracking > 5mm width, Cracking with > 5mm differential movement, Stepping > 25mm, Distortion > 75mm, Inadequate surface grip.

The Table below shows the Replacement Cost for each of the condition scores. It should be noted that the replacement cost is based on the condition of footpaths in minimum 10m segments. In practice and where funds permit footpath sections in condition 3 are generally replaced at the same time as footpath sections in condition 4 or 5 if they are adjacent, there are potential risks, and it is cost effective.

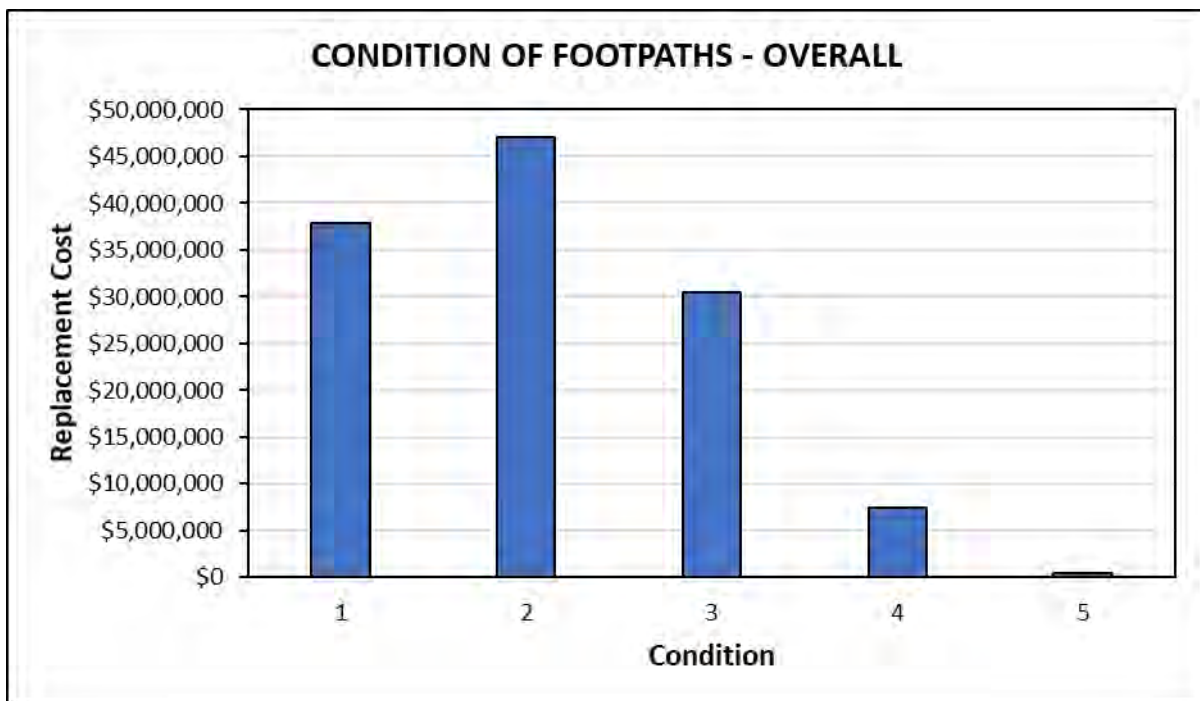


**Table 6: Footpaths Condition Survey Results - Overall**

| Condition     | Length (m)     | Replacement Cost     | % Condition (based on cost) |
|---------------|----------------|----------------------|-----------------------------|
| 1 (Very Good) | 61,701         | \$37,818,161         | 30.6%                       |
| 2 (Good)      | 116,883        | \$47,054,502         | 38.2%                       |
| 3 (Fair)      | 71,857         | \$30,436,684         | 24.7%                       |
| 4 (poor)      | 12,513         | \$7,461,319          | 6.1%                        |
| 5 (Very Poor) | 682            | \$472,020            | 0.4%                        |
| <b>Total</b>  | <b>263,637</b> | <b>\$123,242,686</b> | <b>100.0%</b>               |

It is important to note that replacement costs are based on “like for like” replacement only. Council has an adopted Public Domain Style Manual (PDSM) which includes, for example, replacing standard pavers on road base with granite pavers on a concrete base in the CBD. Therefore, replacing the existing footpath materials with upgraded materials will increase the replacement cost significantly.

The Graph below shows the condition of Footpath assets in terms of replacement cost.



**Footpaths – Review of Useful Lives**

The Table below shows the ranges of Useful Lives from the IPWEA 2017 Practice Note – “Useful Life of Infrastructure” from detailed studies in South Australia, Tasmania, as well as an IPWEA Workshop.

| USEFUL LIVES OF FOOTPATHS |          |                  |                   |
|---------------------------|----------|------------------|-------------------|
| Primary Material          | IPWEA    | South Aust.      | Tasmania          |
| Asphaltic Concrete        | 25 to 30 | 40 to 80 aver 54 | Lower 20 upper 30 |
| CNS Brick paver           | 40 to 60 | 30 to 60 aver 46 | Lower 10 upper 50 |
| Concrete                  | 50       | 40 to 80 aver 54 | Lower 50 upper 80 |
| Gravel                    |          | 5 to 40 aver 16  |                   |

The useful lives of all types of Footpath assets were reviewed by Australis Pty Ltd and are shown in the following Table.

| <b>Footpath Type</b>            | <b>Material</b>                          | <b>Useful Life (Years)</b> |
|---------------------------------|--|----------------------------|
| <b>Foot Bridge</b>              | Concrete                                 | 60                         |
|                                 | Fibreglass                               | 30                         |
|                                 | Steel                                    | 60                         |
|                                 | Timber                                   | 30                         |
| <b>Pedestrian Footpath</b>      | Asphaltic Concrete                       | 20                         |
|                                 | Brick Paver                              | 30                         |
|                                 | CNS Brick paver (Chamfered)              | 30                         |
|                                 | CNS Brick Paver (Not Chamfered)          | 30                         |
|                                 | Concrete                                 | 40                         |
|                                 | Concrete Paver                           | 30                         |
|                                 | Ernest Place Style Honed Concrete Paver  | 40                         |
|                                 | Granite Paver                            | 50                         |
|                                 | Gravel                                   | 10                         |
|                                 | Interlocking Concrete Paver - Charcoal   | 40                         |
|                                 | Interlocking Concrete Paver - Terracotta | 40                         |
|                                 | Mitchell St Plaza Style Pavers           | 40                         |
|                                 | Precast Concrete Paver- Honed            | 40                         |
|                                 | Sandstone Paver                          | 20                         |
|                                 | Soft Fall Material                       | 10                         |
|                                 | Stone                                    | 20                         |
|                                 | Stone Pitchers                           | 20                         |
|                                 | Synthetic Turf                           | 10                         |
|                                 | Unsealed                                 | 10                         |
|                                 | <b>Stairs</b>                            | Asphaltic Concrete         |
| Brick Paver                     |  | 40                         |
| CNS Brick paver (Chamfered)     |  | 40                         |
| CNS Brick Paver (Not Chamfered) |  | 40                         |
| Concrete                        |  | 40                         |
| Concrete Paver                  |  | 40                         |
| Granite Paver                   |  | 40                         |
| Sandstone Paver                 |  | 40                         |
| Steel                           |  | 60                         |
| Stone                           |  | 40                         |
| Stone Pitchers                  |  | 40                         |
| Timber                          |  | 30                         |
| Unsealed                        |  | 10                         |
| <b>Viewing Platform</b>         |  | Concrete                   |
|                                 | Metal                                    | 60                         |
|                                 | Timber                                   | 30                         |
|                                 | Timber, Concrete                         | 30                         |
| <b>Walking Track</b>            | Gravel                                   | 10                         |
|                                 | Soft Fall Material                       | 10                         |
|                                 | Stone                                    | 20                         |
|                                 | Unsealed                                 | 10                         |

Based on the useful lives as reviewed in the Table above, the forecast Depreciation is as follows:

| <b>Capital funding to maintain a renewal ratio of 1</b> |                            |
|---|----------------------------|
|   | <b>Annual Depreciation</b> |
| <b>Footpaths</b>  | <b>\$3,190,669</b>         |

A budget of \$3,190,669 is required on average over the long term to maintain the condition of Council's footpath network, noting that fluctuations in renewal requirements in the medium term.

### **Footpaths – Funding Strategy**

The Asset Renewal Funding Ratio is the most important indicator. It compares funding with depreciation. An Asset Renewal Funding Ratio of 1 or greater sustained over the long term indicates the optimal renewal and replacement of assets.

The forecast for Depreciation (or Long Term Average Annual Asset Consumption) is \$3,190,669. Therefore, an annual average capital renewal funding of \$3,190,669 (2021 dollars) will achieve an Asset Renewal Funding Ratio of 1.

The cost to fully replace assets identified by Consultants, Rapid Map Services Pty Ltd in condition 4 and 5 as well as the cost to replace the condition 3 assets which will become condition 4 over the next 10 is \$38,370,023. This is an average annual cost of \$3,837,002 which is greater than the \$3,190,669 Depreciation Expense and also greater than the average annual forecast budget of \$2,868,392. With further investigation and detailed design it is hoped that alternate and lesser cost solutions may be possible to maintain footpath assets at an optimal level.

### **Footpaths – Capital works**

Replacement of footpath segments is assumed to be a Capital works project.

The ranking criteria used to determine priority of identified renewal and replacement proposals is detailed in Table 7. A priority for action of 1 to 5 has been assigned to each footpath requiring capital works as described in the following table.

### **Footpaths – Managing the Risks**

There are risks associated with providing and maintaining footpaths. Critical risks identified include:

- Footpath failure caused by tree roots resulting in displacement, cracking or loose underfoot sections of pavement
- Damage by vehicles travelling, eg. footpath sweepers or standing, eg. utility services vehicles, delivery vehicles on the footpath causing collapse, cracking or loose underfoot sections of paving
- Significant ponding, excessive overland flow caused by significant rainfall event.
- Utility Services damage caused when Utility Authorities install new infrastructure or undertake maintenance on existing infrastructure
- Premature footpath failure due to poor initial construction by either Developer or Council contractors

The following risk response table was used to identify those footpath segments requiring action within the next 10 years.

**Table 7: Footpaths – Risk Response Table**

| Level of Risk |                | Category | Action Required              | Time frame for upgrade or replacement |
|---------------|----------------|----------|------------------------------|---------------------------------------|
| VH            | Very High Risk | 5        | Immediate corrective action  | 1 year                                |
| H             | High Risk      | 4        | Prioritised action required  | 2-10 Years                            |
| M             | Medium Risk    | 3        | Planned action required      | 4-10 Years                            |
| L             | Low Risk       | 2        | Manage by routine procedures | Inspections 1-2 years                 |
| New           | No Risk        | 1        | None                         | None                                  |

Consideration has been given to each footpath segment, whether to replace the asset or perform maintenance on it.

Footpath segments that have a **Very High or High** risk rating were considered to need replacement within 1-10 year forecast period.

Footpath segments with a **Medium** risk rating were also considered needing replacement within the 4-10 year forecast period.

**Examples of footpath risks in the North Sydney LGA.**

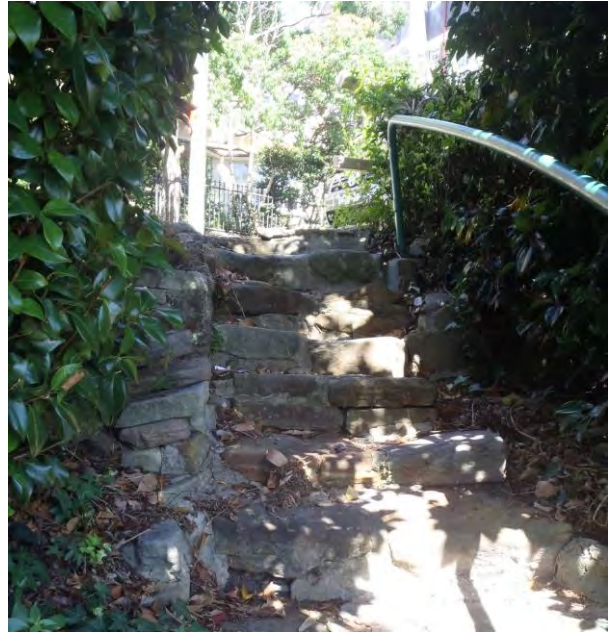


Asphaltic concrete footpath in poor condition



Utility services restorations/reinstatements





Stairs in poor condition



Concrete footpath in poor condition



Tree root affected pavers and tree site infill





Tree root affected concrete footpath including ponding



Footpath collapse due to base course wash out

Council will endeavour to manage these risks within available funding by prioritising Footpath renewal works based on the Footpaths Condition Audit prepared by Consultants, Rapid Map Services Pty Ltd.

**Table 8: Footpaths – Capital renewal Priorities based on Condition and Risk Rating**

| Risk Matrix - Footpaths (Condition and Risk Rating)        |                        |        |                 |                |                  |
|--|------------------------|--------|-----------------|----------------|------------------|
| <b>Condition Criteria.</b><br>Refer to Table 5 for details | Footpaths – Length (m) |        |                 |                |                  |
|  | Footpath Hierarchy     |        | All Other Areas | Medium Traffic | High Traffic     |
|  | Road Hierarchy         | Lane   | Local           | Collector      | Regional / State |
|  | Park Hierarchy         | Local  | District        | Regional       |                  |
|  | Priority               | d      | c               | b              | a                |
| Condition 1 – Very Good (30.6%)                            | 5                      | 12,430 | 23,088          | 17,711         | 8,472            |
| Condition 2 - Good (38.2%)                                 | 4                      | 24,248 | 54,253          | 27,569         | 10,813           |
| Condition 3 – Fair (24.7%)                                 | 3                      | 14,441 | 31,284          | 18,542         | 7,589            |
| Condition 4 – Poor (6.1%)                                  | 2                      | 2,638  | 4,970           | 3,603          | 1,302            |
| Condition 5 – Very Poor (0.4%)                             | 1                      | 240    | 189             | 110            | 143              |

**(Note: Also Refer to Table 6)**

**Note:** This table is based on data in the current register.

**Note:** Capital works is proposed for those footpaths identified in “*Very Poor*”, “*Poor*” and “*Fair*” condition.

**Note:** Factors which are used to determine the priority include ‘Footpath Hierarchy’, ‘Road Hierarchy’ and ‘Park Hierarchy’. The most critical factor is used to determine the priority.

It should be noted that footpaths may also be replaced based on other criteria including:

- Damage.
- Restorations.
- Association with other projects such as kerb & guttering or drainage works.
- Streetscape projects.

**Footpaths – Maintenance**

Routine maintenance is the regular on-going work that is necessary to keep assets operating, including instances where portions of the asset fail and need immediate repair to make the asset operational again, e.g. trip hazard repair.

Maintenance includes all actions necessary for retaining an asset as near as practicable to an appropriate service condition including regular ongoing day-to-day work necessary to keep assets operating.

Current maintenance expenditure levels are considered to be inadequate to meet projected service levels.

Over the longer term, future operations and maintenance expenditure is forecast to increase as the asset stock increases and asset type changes to meet the requirements of the Public Domain Style Manual.

**Footpaths – Prioritised Expenditure Forecast**

**Table 9a: Footpaths – Prioritised Expenditure Forecast – 10 years FY2023-FY2032 - Roads**

| Year               |         | Priority | Capital Costs       | Maintenance Costs  | Total Costs         |
|--------------------|---------|----------|---------------------|--------------------|---------------------|
| 1                  | 2022/23 | 1a to 2a | \$3,170,000         | \$619,781          | \$3,789,781         |
| 2                  | 2023/24 | 2a to 2b | \$3,137,920         | \$619,781          | \$3,757,701         |
| 3                  | 2024/25 | 2b to 2c | \$2,782,000         | \$619,781          | \$3,401,781         |
| 4-10               | 2025/32 | 2c to 3b | \$17,374,000        | \$4,338,464        | \$21,712,464        |
| Works Identified   | 2025/32 | 3b to 3d | \$11,906,103        |                    | \$11,906,103        |
| <b>Grand Total</b> |         |          | <b>\$38,370,023</b> | <b>\$6,197,807</b> | <b>\$44,567,830</b> |

Note: Includes budgets in EPS and Streetscape budgets.

**Table 9b: Footpaths – Prioritised Expenditure Forecast – 10 years FY2023-FY2032 – Parks and Walking Tracks**

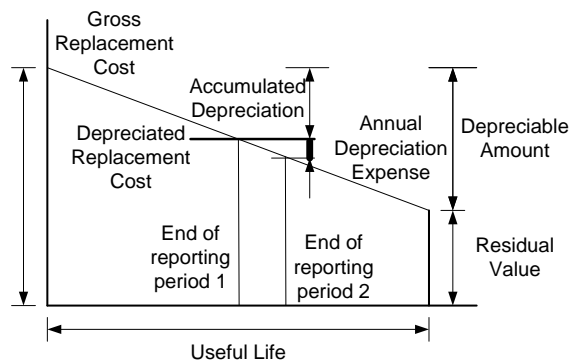
| Year               |         | Priority | Capital Costs      | Maintenance Costs | Total Costs        |
|--------------------|---------|----------|--------------------|-------------------|--------------------|
| 1                  | 2022/23 | 1b to 2b | \$200,000          | \$20,400          | \$220,400          |
| 2                  | 2023/24 | 2b       | \$420,000          | \$20,400          | \$440,400          |
| 3                  | 2024/25 | 2b       | \$200,000          | \$20,400          | \$220,400          |
| 4-10               | 2025/32 | 2b to 2c | \$1,400,000        | \$142,800         | \$1,542,800        |
| <b>Grand Total</b> |         |          | <b>\$2,220,000</b> | <b>\$204,000</b>  | <b>\$2,424,000</b> |

Note: Includes budgets in OSE.

In summary the current value of Footpath assets is detailed in the Table below.

**Table 10: Footpaths - Valuation**

| Asset Category           | Length (m)     | Replacement Value (2021) | Accumulated Depreciation (2021) | Fair Value (2021)   | Depreciation Expense |
|--------------------------|----------------|--------------------------|---------------------------------|---------------------|----------------------|
| <b>Footpaths - Roads</b> | 263,637        | \$123,242,686            | \$41,397,229                    | \$81,845,457        | \$3,190,669          |
| <b>TOTAL</b>             | <b>263,637</b> | <b>\$123,242,686</b>     | <b>\$41,397,229</b>             | <b>\$81,845,457</b> | <b>\$3,190,669</b>   |



### Footpaths – Valuation Forecast

Asset values are forecast to increase as footpath assets are upgraded due to streetscape improvements. Additional assets will generally add to the operations and maintenance needs in the longer term, as well as the need for future renewal. Additional assets will also add to future depreciation forecasts.

### Footpaths – Key Assumptions – Financial Forecasts

Key assumptions made in this asset management plan are:

**Table: 11. Key Assumptions made in AMP and Risks of Change**

| Key Assumptions           | Risks of Change to Assumptions |
|---------------------------|--------------------------------|
| Useful Lives of Footpaths | Low risk                       |
| Rate of deterioration     | Low risk                       |

### Footpaths – Creation / Acquisition / Upgrade Program

New works are those that create a new asset that did not previously exist, or works which will upgrade or improve an existing asset beyond its existing capacity. They may result from growth, social or environmental needs. Assets may also be acquired at no cost. Footpaths in CBD areas are being upgraded in accordance with Council’s Public Domain Style Manual. No new additional assets are currently identified.

### Footpaths – Disposal Plan

No footpaths assets have been identified for disposal.

### Footpaths – Forecast reliability and confidence

The estimated confidence level and reliability of data used in this AMP is considered to be reliable as the data is based on a detailed condition report on footpaths.

### Footpaths – Improvement Plan

The improvement plan is shown in the table below.

| Task No | Task                                  | Responsibility | Resources Required | Timeline |
|---------|---------------------------------------|----------------|--------------------|----------|
| 1       | Research the Useful Life of Footpaths | EPS            | Staff Time         | 2024     |

### Footpaths – Monitoring and Review Procedures

This Asset Management Plan will be reviewed during annual budget planning processes and amended to show any material changes in service levels and/or resources available to provide those services as a result of budget decisions.

The Asset Management Plan has a life of 4 years and is due for complete revision and updating within 1 year of each Council election.

### Footpaths – Renewal and Replacement Program

Renewal and replacement expenditure is major work which does not increase the asset’s design capacity but restores, rehabilitates, replaces or renews an existing asset to its original service potential. Work over

and above restoring an asset to original service potential is considered to be an upgrade/expansion or new work expenditure resulting in additional future operations and maintenance costs.

Footpath assets requiring renewal/replacement have been identified by the Footpaths Condition Audit completed by Consultants, Rapid Map Services Pty Ltd in conjunction with Asset & Facilities Management Consulting Pty Ltd, in 2019.

### Footpaths – Funding Scenarios

The Long Term Financial Plan includes three scenarios, all of which maintain current services levels but propose differing levels of capital expenditure on the renewal of Council’s ageing infrastructure assets.

In summary:

- Pessimistic Scenario - This Scenario results in a decline in operating results and deficits in the later years.
- Optimistic Scenario - This Scenario results in improvements in operating results for the life of the plan.
- Planned Scenario - This Scenario results modest surplus operating results for the life of the plan.

**Table 12: Funding Scenarios – Footpaths – North Sydney Council 10 Year Plan**

| Scenario    | Capital Funding Level required per annum | 10 Year Plan \$ Total |
|-------------|--|-----------------------|
| Scenario 1. | \$2,868,392/year                         | \$28,683,920          |
| Scenario 2. | \$2,868,392/year                         | \$28,683,920          |
| Scenario 3. | \$2,868,392/year                         | \$28,683,920          |

*Note: These Scenarios are based on the 10-year Long Term Financial Plan.*

### Footpaths – Service and Risk Tradeoffs

The decisions made in adopting this AM Plan are based on the objective to achieve the optimum benefits from the available resources.

#### Service trade-off

If this funding Scenario is adopted, then the Level of Service will be maintained.

#### Risk trade-off

If this funding Scenario is adopted, then there is less risk of Footpath failures.

### Footpaths – Renewal and Replacement Program – FY2023-FY2032 (10 Year Plan)

Council’s projected 10 year Capital Renewal Program is shown in the Tables below. It is based on the funding required to replace Footpath assets identified by the Footpaths Condition Audit completed by Consultants, Rapid Map Services Pty Ltd in conjunction with Asset & Facilities Management Consulting Pty Ltd, in 2019.



It should be noted that footpaths may also be replaced based on other criteria including:

- Damage
- Restorations
- Association with other projects such as kerb & guttering or drainage works
- Streetscape projects

Project priorities may also be subject to change due to accelerated deterioration, sudden failure or finalization of detailed designs and project costings.

### Capital Renewal – Footpaths within Road Reserves

**Table13: Footpaths – Renewal and Replacement Program (Within Road Reserves)**

#### Priority Projects 2022/23 (Year 1)

| Replace Year | Priority   | Location                              | Risk Rating/ Category | Condition | Capital Cost       |
|--------------|--|---------------------------------------|-----------------------|-----------|--------------------|
| 2022/23      | 1a   | Brook St (PSID 116)                   | Very High (5)         | Very Poor | \$124,199          |
| 2022/23      | 1a   | Miller St (PSID 379)                  | Very High (5)         | Very Poor | \$103,867          |
| 2022/23      | 1b   | Balls Head Reserve                    | Very High (5)         | Very Poor | \$147,804          |
| 2022/23      | 1b   | Bent St (PSID 94)                     | Very High (5)         | Very Poor | \$22,486           |
| 2022/23      | 1c   | Middlemiss St (PSID 362)              | Very High (5)         | Very Poor | \$14,039           |
| 2022/23      | 1c   | Primrose Park                         | Very High (5)         | Very Poor | \$4,056            |
| 2022/23      | 1c   | Richmond Ave (PSID 468)               | Very High (5)         | Very Poor | \$190,489          |
| 2022/23      | 1c   | Samora Ave (PSID 488)                 | Very High (5)         | Very Poor | \$63,590           |
| 2022/23      | 1c   | Shirley La (PSID 494)                 | Very High (5)         | Very Poor | \$14,605           |
| 2022/23      | 1c   | Waiwera St (PSID 853)                 | Very High (5)         | Very Poor | \$9,057            |
| 2022/23      | 1d   | Atchison La (PSID 625)                | Very High (5)         | Very Poor | \$7,922            |
| 2022/23      | 1d   | Commodore To John Footway (PSID 943)  | Very High (5)         | Very Poor | \$3,152            |
| 2022/23      | 1d   | Hayberry La (PSID 269)                | Very High (5)         | Very Poor | \$10,267           |
| 2022/23      | 1d   | Lloyd Ave (PSID 341)                  | Very High (5)         | Very Poor | \$37,418           |
| 2022/23      | 1d   | Lodge Road Road Reserve               | Very High (5)         | Very Poor | \$5,800            |
| 2022/23      | 1d   | Munro St (PSID 743)                   | Very High (5)         | Very Poor | \$3,214            |
| 2022/23      | 1d   | Robertson La (PSID 984)               | Very High (5)         | Very Poor | \$5,968            |
| 2022/23      | 1d   | Russell To Boronia Footway (PSID 914) | Very High (5)         | Very Poor | \$19,644           |
| 2022/23      | 2a   | Chandos St (PSID 154)                 | High (4)              | Poor      | \$44,677           |
| 2022/23      | 2a   | Chandos St (Westbound) (PSID 156)     | High (4)              | Poor      | \$48,355           |
| 2022/23      | 2a   | Ernest St (PSID 218)                  | High (4)              | Poor      | \$85,992           |
| 2022/23      | 2a   | Ernest St (PSID 220)                  | High (4)              | Poor      | \$66,847           |
| 2022/23      | 2a   | Falcon St (PSID 231)                  | High (4)              | Poor      | \$134,069          |
| 2022/23      | Contingency  |                                       |                       |           | \$2,483            |
| 2022/23      | North Sydney CBD Public Domain Upgrades                  |                                       |                       |           | \$500,000          |
| 2022/23      | Crows Nest Public Domain Masterplan Implementation       |                                       |                       |           | \$500,000          |
| 2022/23      | Kirribilli & McMahons Point Village Centres              |                                       |                       |           | \$500,000          |
| 2022/23      | Neutral Bay & Cremorne Public Domain Masterplan Projects |                                       |                       |           | \$500,000          |
| <b>Total</b> |  |                                       |                       |           | <b>\$3,170,000</b> |

**Note:** These Cost estimates do not include inflation / building escalations costs which can vary between 3-8% each year.

The streetscape budget is primarily used to upgrade footpaths in public domain areas. However, it should be noted that part of the streetscape budget is used to fund the upgrade and renewal of other assets such as street furniture, fences, etc.

**Table 14: Footpaths – Renewal and Replacement Program (Within Road Reserves)**

**Priority Projects 2023/24 (Year 2)**

| Replace Year | Priority   | Location                                | Risk Rating/ Category | Condition | Capital Cost       |
|--------------|--|---|-----------------------|-----------|--------------------|
| 2023/24      | 2a   | Gerard St (PSID 245)                    | High (4)              | Poor      | \$50,204           |
| 2023/24      | 2a   | Harriette St (PSID 265)                 | High (4)              | Poor      | \$101,022          |
| 2023/24      | 2a   | Military Rd (PSID 366)                  | High (4)              | Poor      | \$12,567           |
| 2023/24      | 2a   | Miller St (PSID 380)                    | High (4)              | Poor      | \$37,385           |
| 2023/24      | 2a   | Miller St (PSID 383)                    | High (4)              | Poor      | \$69,054           |
| 2023/24      | 2a   | Murdoch St (PSID 410)                   | High (4)              | Poor      | \$73,702           |
| 2023/24      | 2a   | Pacific Hwy (PSID 816)                  | High (4)              | Poor      | \$160,707          |
| 2023/24      | 2a   | River Rd (Westbound) (PSID 846)         | High (4)              | Poor      | \$52,091           |
| 2023/24      | 2a   | Shirley Rd (PSID 496)                   | High (4)              | Poor      | \$55,773           |
| 2023/24      | 2b   | Alexander St (PSID 18)                  | High (4)              | Poor      | \$82,921           |
| 2023/24      | 2b   | Alfred St North (Southbound) (PSID 891) | High (4)              | Poor      | \$166,697          |
| 2023/24      | 2b   | Bay Rd (PSID 60)                        | High (4)              | Poor      | \$13,239           |
| 2023/24      | 2b   | Bent St (PSID 92)                       | High (4)              | Poor      | \$115,958          |
| 2023/24      | 2b   | Bent St (PSID 93)                       | High (4)              | Poor      | \$138,936          |
| 2023/24      | 2b   | Blues Point Rd (PSID 106)               | High (4)              | Poor      | \$200,636          |
| 2023/24      | 2b   | Blues Point Rd (PSID 861)               | High (4)              | Poor      | \$27,865           |
| 2023/24      | 2b   | Carr St (PSID 145)                      | High (4)              | Poor      | \$81,537           |
| 2023/24      | 2b   | Carr St (PSID 147)                      | High (4)              | Poor      | \$23,858           |
| 2023/24      | 2b   | Earle St (PSID 195)                     | High (4)              | Poor      | \$39,087           |
| 2023/24      | Contingency  |   |                       |           | \$134,681          |
| 2023/24      | North Sydney CBD Public Domain Upgrades                  |   |                       |           | \$500,000          |
| 2023/24      | Crows Nest Public Domain Masterplan Implementation       |   |                       |           | \$500,000          |
| 2023/24      | Kirribilli & McMahons Point Village Centres              |   |                       |           | \$250,000          |
| 2023/24      | Neutral Bay & Cremorne Public Domain Masterplan Projects |   |                       |           | \$250,000          |
| <b>Total</b> |  |   |                       |           | <b>\$3,137,920</b> |

**Note:** These Cost estimates do not include inflation / building escalations costs which can vary between 3-8% each year.

The streetscape budget is primarily used to upgrade footpaths in public domain areas. However, it should be noted that part of the streetscape budget is used to fund the upgrade and renewal of other assets such as street furniture, fences, etc.

**Table 15: Footpaths – Renewal and Replacement Program (Within Road Reserves)**

**Priority Projects 2024/25 (Year 3)**

| Replace Year | Priority | Location                    | Risk Rating/ Category | Condition | Capital Cost |
|--------------|----------|-----------------------------|-----------------------|-----------|--------------|
| 2024/25      | 2b       | Ennis Rd (PSID 678)         | High (4)              | Poor      | \$396,308    |
| 2024/25      | 2b       | Ernest St (PSID 217)        | High (4)              | Poor      | \$187,912    |
| 2024/25      | 2b       | Gillies St (PSID 246)       | High (4)              | Poor      | \$166,738    |
| 2024/25      | 2b       | Henry Lawson Ave (PSID 275) | High (4)              | Poor      | \$129,379    |
| 2024/25      | 2b       | Milson Rd (PSID 394)        | High (4)              | Poor      | \$66,400     |
| 2024/25      | 2b       | Milson Rd (PSID 395)        | High (4)              | Poor      | \$101,435    |
| 2024/25      | 2b       | Rangers Rd (PSID 457)       | High (4)              | Poor      | \$64,117     |
| 2024/25      | 2b       | Shirley Rd (PSID 499)       | High (4)              | Poor      | \$194,193    |
| 2024/25      | 2b       | Spruson St (PSID 514)       | High (4)              | Poor      | \$124,716    |
| 2024/25      | 2b       | Telopea St (PSID 520)       | High (4)              | Poor      | \$139,183    |

| Replace Year | Priority   | Location | Risk Rating/Category | Condition | Capital Cost       |
|--------------|--|----------|----------------------|-----------|--------------------|
| 2024/25      | Contingency  |          |                      |           | \$29,619           |
| 2024/25      | North Sydney CBD Public Domain Upgrades                  |          |                      |           | \$500,000          |
| 2024/25      | Crows Nest Public Domain Masterplan Implementation       |          |                      |           | \$500,000          |
| 2024/25      | Neutral Bay & Cremorne Public Domain Masterplan Projects |          |                      |           | \$182,000          |
| <b>Total</b> |  |          |                      |           | <b>\$2,782,000</b> |

**Note:** These Cost estimates do not include inflation / building escalations costs which can vary between 3-8% each year.

The streetscape budget is primarily used to upgrade footpaths in public domain areas. However, it should be noted that part of the streetscape budget is used to fund the upgrade and renewal of other assets such as street furniture, fences, etc.

**Table 16: Footpaths – Renewal and Replacement Program (Within Road Reserves)**

**Priority Projects 2025/32 (Years 4-10)**

| Replace Year | Priority | Location                               | Risk Rating/Category | Condition | Capital Cost |
|--------------|----------|--|----------------------|-----------|--------------|
| 2025/32      | 2b       | West St (PSID 565)                     | High (4)             | Poor      | \$128,758    |
| 2025/32      | 2b       | West St (PSID 566)                     | High (4)             | Poor      | \$42,449     |
| 2025/32      | 2b       | West St (PSID 567)                     | High (4)             | Poor      | \$70,315     |
| 2025/32      | 2b       | Young St (PSID 801)                    | High (4)             | Poor      | \$39,739     |
| 2025/32      | 2c       | Alfred St North (Southbound) (PSID 95) | High (4)             | Poor      | \$119,159    |
| 2025/32      | 2c       | Atchison St (PSID 37)                  | High (4)             | Poor      | \$101,500    |
| 2025/32      | 2c       | Balls Head Rd (PSID 51)                | High (4)             | Poor      | \$57,895     |
| 2025/32      | 2c       | Bennett St (PSID 91)                   | High (4)             | Poor      | \$250,533    |
| 2025/32      | 2c       | Cable St (PSID 130)                    | High (4)             | Poor      | \$73,467     |
| 2025/32      | 2c       | Chandos St (PSID 155)                  | High (4)             | Poor      | \$67,891     |
| 2025/32      | 2c       | Cowdroy Ave (PSID 176)                 | High (4)             | Poor      | \$105,201    |
| 2025/32      | 2c       | Cowdroy Ave (PSID 177)                 | High (4)             | Poor      | \$91,266     |
| 2025/32      | 2c       | Cremorne Rd (PSID 181)                 | High (4)             | Poor      | \$71,237     |
| 2025/32      | 2c       | Currawang St (PSID 187)                | High (4)             | Poor      | \$42,996     |
| 2025/32      | 2c       | Devonshire St (PSID 190)               | High (4)             | Poor      | \$136,767    |
| 2025/32      | 2c       | Dumbarton St (PSID 192)                | High (4)             | Poor      | \$121,884    |
| 2025/32      | 2c       | Earle St (PSID 194)                    | High (4)             | Poor      | \$129,828    |
| 2025/32      | 2c       | Elamang Ave (PSID 206)                 | High (4)             | Poor      | \$206,431    |
| 2025/32      | 2c       | Emmett St (PSID 212)                   | High (4)             | Poor      | \$143,088    |
| 2025/32      | 2c       | Fifth Ave (PSID 234)                   | High (4)             | Poor      | \$184,986    |
| 2025/32      | 2c       | Folly Point (PSID 136)                 | High (4)             | Poor      | \$3,593      |
| 2025/32      | 2c       | Grasmere Rd (PSID 254)                 | High (4)             | Poor      | \$103,010    |
| 2025/32      | 2c       | Hazelbank Rd (PSID 272)                | High (4)             | Poor      | \$142,080    |
| 2025/32      | 2c       | Highview Ave (PSID 693)                | High (4)             | Poor      | \$65,508     |
| 2025/32      | 2c       | Huntington St (PSID 299)               | High (4)             | Poor      | \$80,258     |
| 2025/32      | 2c       | Illiliwa St (PSID 301)                 | High (4)             | Poor      | \$94,965     |
| 2025/32      | 2c       | Jenkins St (PSID 308)                  | High (4)             | Poor      | \$101,774    |
| 2025/32      | 2c       | Kurraba Rd (PSID 322)                  | High (4)             | Poor      | \$204,373    |
| 2025/32      | 2c       | Kurraba Rd (PSID 323)                  | High (4)             | Poor      | \$49,090     |
| 2025/32      | 2c       | Kyngdon St (PSID 327)                  | High (4)             | Poor      | \$83,218     |
| 2025/32      | 2c       | Lamont St (PSID 328)                   | High (4)             | Poor      | \$99,777     |
| 2025/32      | 2c       | Lindsay St (PSID 337)                  | High (4)             | Poor      | \$73,459     |
| 2025/32      | 2c       | Mcdougall St (PSID 353)                | High (4)             | Poor      | \$124,294    |

| Replace Year | Priority | Location                    | Risk Rating/Category | Condition | Capital Cost |
|--------------|----------|-----------------------------|----------------------|-----------|--------------|
| 2025/32      | 2c       | Milner Cres (PSID 385)      | High (4)             | Poor      | \$132,527    |
| 2025/32      | 2c       | Milner Cres (PSID 386)      | High (4)             | Poor      | \$83,364     |
| 2025/32      | 2c       | Milray Ave (PSID 992)       | High (4)             | Poor      | \$131,848    |
| 2025/32      | 2c       | Montague Rd (PSID 399)      | High (4)             | Poor      | \$171,899    |
| 2025/32      | 2c       | Montpelier St (PSID 400)    | High (4)             | Poor      | \$91,836     |
| 2025/32      | 2c       | Nicholson St (PSID 419)     | High (4)             | Poor      | \$168,134    |
| 2025/32      | 2c       | Park Ave (PSID 880)         | High (4)             | Poor      | \$63,821     |
| 2025/32      | 2c       | Pine St (PSID 445)          | High (4)             | Poor      | \$213,156    |
| 2025/32      | 2c       | Pine St (PSID 844)          | High (4)             | Poor      | \$154,310    |
| 2025/32      | 2c       | Premier St (PSID 449)       | High (4)             | Poor      | \$188,977    |
| 2025/32      | 2c       | Premier St (PSID 450)       | High (4)             | Poor      | \$41,273     |
| 2025/32      | 2c       | Reed St (PSID 463)          | High (4)             | Poor      | \$30,282     |
| 2025/32      | 2c       | Reynolds St (PSID 465)      | High (4)             | Poor      | \$6,849      |
| 2025/32      | 2c       | Rocklands Rd (PSID 478)     | High (4)             | Poor      | \$201,949    |
| 2025/32      | 2c       | Rosalind St (PSID 479)      | High (4)             | Poor      | \$161,182    |
| 2025/32      | 2c       | Russell St (PSID 485)       | High (4)             | Poor      | \$28,685     |
| 2025/32      | 2c       | Selwyn St (PSID 489)        | High (4)             | Poor      | \$49,784     |
| 2025/32      | 2c       | Shirley La (PSID 495)       | High (4)             | Poor      | \$28,840     |
| 2025/32      | 2c       | Shirley Rd (PSID 501)       | High (4)             | Poor      | \$230,239    |
| 2025/32      | 2c       | Shirley Rd (PSID 502)       | High (4)             | Poor      | \$85,803     |
| 2025/32      | 2c       | Sinclair St (PSID 505)      | High (4)             | Poor      | \$87,297     |
| 2025/32      | 2c       | Sinclair St (PSID 506)      | High (4)             | Poor      | \$89,312     |
| 2025/32      | 2c       | Spruson St (PSID 896)       | High (4)             | Poor      | \$95,545     |
| 2025/32      | 2c       | St Thomas Rest Park         | High (4)             | Poor      | \$2,059      |
| 2025/32      | 2c       | Sutherland St (PSID 518)    | High (4)             | Poor      | \$81,389     |
| 2025/32      | 2c       | Thrupp St (PSID 524)        | High (4)             | Poor      | \$49,363     |
| 2025/32      | 2c       | Tobruk Ave (PSID 526)       | High (4)             | Poor      | \$181,045    |
| 2025/32      | 2c       | Tobruk Ave (PSID 527)       | High (4)             | Poor      | \$94,503     |
| 2025/32      | 2c       | Vale St (PSID 538)          | High (4)             | Poor      | \$96,079     |
| 2025/32      | 2c       | Vernon St (PSID 539)        | High (4)             | Poor      | \$116,148    |
| 2025/32      | 2c       | Walker St (PSID 543)        | High (4)             | Poor      | \$113,227    |
| 2025/32      | 2c       | Waruda St (PSID 788)        | High (4)             | Poor      | \$13,954     |
| 2025/32      | 2c       | West St (PSID 568)          | High (4)             | Poor      | \$154,730    |
| 2025/32      | 2c       | Whaling Rd (PSID 570)       | High (4)             | Poor      | \$156,622    |
| 2025/32      | 2c       | Willoughby St (PSID 587)    | High (4)             | Poor      | \$152,873    |
| 2025/32      | 2c       | Wonga Rd (PSID 592)         | High (4)             | Poor      | \$59,614     |
| 2025/32      | 2c       | Woolcott St (PSID 598)      | High (4)             | Poor      | \$52,242     |
| 2025/32      | 2c       | Wycombe Rd (PSID 605)       | High (4)             | Poor      | \$38,877     |
| 2025/32      | 2c       | Young St (PSID 805)         | High (4)             | Poor      | \$231,308    |
| 2025/32      | 2d       | Arthur La (PSID 622)        | High (4)             | Poor      | \$4,413      |
| 2025/32      | 2d       | Arthur St (PSID 33)         | High (4)             | Poor      | \$56,277     |
| 2025/32      | 2d       | Ben Boyd Rd (PSID 830)      | High (4)             | Poor      | \$17,219     |
| 2025/32      | 2d       | Brightmore La (PSID 905)    | High (4)             | Poor      | \$2,019      |
| 2025/32      | 2d       | Bromley Avenue Road Reserve | High (4)             | Poor      | \$5,022      |
| 2025/32      | 2d       | Burlington La (PSID 122)    | High (4)             | Poor      | \$15,971     |
| 2025/32      | 2d       | Cairo St (PSID 132)         | High (4)             | Poor      | \$212,184    |
| 2025/32      | 2d       | Chandos La (PSID 151)       | High (4)             | Poor      | \$16,749     |
| 2025/32      | 2d       | Cheal La (PSID 649)         | High (4)             | Poor      | \$14,101     |
| 2025/32      | 2d       | Christie St (PSID 159)      | High (4)             | Poor      | \$25,239     |

| Replace Year | Priority | Location                             | Risk Rating/Category | Condition | Capital Cost |
|--------------|----------|--------------------------------------|----------------------|-----------|--------------|
| 2025/32      | 2d       | Colin Street Road Reserve            | High (4)             | Poor      | \$117,969    |
| 2025/32      | 2d       | Cremorne La (PSID 179)               | High (4)             | Poor      | \$3,678      |
| 2025/32      | 2d       | Doohat Ave (PSID 191)                | High (4)             | Poor      | \$14,449     |
| 2025/32      | 2d       | Doris Street Reserve                 | High (4)             | Poor      | \$4,917      |
| 2025/32      | 2d       | East Ave (PSID 847)                  | High (4)             | Poor      | \$5,109      |
| 2025/32      | 2d       | Echo Street Reserve                  | High (4)             | Poor      | \$53,658     |
| 2025/32      | 2d       | Ellalong Rd (PSID 866)               | High (4)             | Poor      | \$5,422      |
| 2025/32      | 2d       | Ernest To Byrnes Footway (PSID 951)  | High (4)             | Poor      | \$16,867     |
| 2025/32      | 2d       | Falcon La (PSID 226)                 | High (4)             | Poor      | \$12,651     |
| 2025/32      | 2d       | Fifth To Bariston Footway (PSID 926) | High (4)             | Poor      | \$3,695      |
| 2025/32      | 2d       | Four Figs Park                       | High (4)             | Poor      | \$42,807     |
| 2025/32      | 2d       | Grasmere La (PSID 251)               | High (4)             | Poor      | \$18,493     |
| 2025/32      | 2d       | Hampden St (PSID 687)                | High (4)             | Poor      | \$125,293    |
| 2025/32      | 2d       | Harriott La (PSID 266)               | High (4)             | Poor      | \$4,560      |
| 2025/32      | 2d       | Johnstone Avenue Road Reserve        | High (4)             | Poor      | \$208,984    |
| 2025/32      | 2d       | Kiara Close (PSID 963)               | High (4)             | Poor      | \$18,936     |
| 2025/32      | 2d       | King La (PSID 313)                   | High (4)             | Poor      | \$31,417     |
| 2025/32      | 2d       | Lambert St (PSID 999)                | High (4)             | Poor      | \$8,931      |
| 2025/32      | 2d       | Lambert Street Gardens               | High (4)             | Poor      | \$163,520    |
| 2025/32      | 2d       | Lillis St (PSID 716)                 | High (4)             | Poor      | \$31,963     |
| 2025/32      | 2d       | Lloyd Avenue Reserve                 | High (4)             | Poor      | \$73,897     |
| 2025/32      | 2d       | Lord Street Road Reserve             | High (4)             | Poor      | \$39,186     |
| 2025/32      | 2d       | Mcburney La (PSID 729)               | High (4)             | Poor      | \$55,937     |
| 2025/32      | 2d       | Mcdougall St (PSID 355)              | High (4)             | Poor      | \$104,421    |
| 2025/32      | 2d       | Metcalfe St (PSID 735)               | High (4)             | Poor      | \$31,459     |
| 2025/32      | 2d       | Miller To Edwin Footway (PSID 932)   | High (4)             | Poor      | \$22,381     |
| 2025/32      | 2d       | Milner To Carlyle Footway (PSID 916) | High (4)             | Poor      | \$85,118     |
| 2025/32      | 2d       | Newlands La (PSID 415)               | High (4)             | Poor      | \$728        |
| 2025/32      | 2d       | Nicholas St (PSID 744)               | High (4)             | Poor      | \$12,114     |
| 2025/32      | 2d       | Olive La (PSID 750)                  | High (4)             | Poor      | \$2,115      |
| 2025/32      | 2d       | Phillips Street Playground           | High (4)             | Poor      | \$127,332    |
| 2025/32      | 2d       | Robertson La (PSID 841)              | High (4)             | Poor      | \$7,938      |
| 2025/32      | 2d       | Robertson Lane Road Closure          | High (4)             | Poor      | \$83,130     |
| 2025/32      | 2d       | Rocklands La (PSID 476)              | High (4)             | Poor      | \$27,088     |
| 2025/32      | 2d       | Short St (PSID 504)                  | High (4)             | Poor      | \$20,363     |
| 2025/32      | 2d       | Sinclair St (PSID 901)               | High (4)             | Poor      | \$6,725      |
| 2025/32      | 2d       | Sophia St (PSID 509)                 | High (4)             | Poor      | \$19,131     |
| 2025/32      | 2d       | Sophia St (PSID 510)                 | High (4)             | Poor      | \$43,469     |
| 2025/32      | 2d       | Tiley Street Road Closure            | High (4)             | Poor      | \$750,767    |
| 2025/32      | 2d       | Toongarah Rd (PSID 528)              | High (4)             | Poor      | \$66,196     |
| 2025/32      | 2d       | Trafalgar St (PSID 783)              | High (4)             | Poor      | \$22,885     |
| 2025/32      | 2d       | Warringa Road Road Closure           | High (4)             | Poor      | \$16,976     |
| 2025/32      | 2d       | Westleigh Lane Road Closure          | High (4)             | Poor      | \$41,996     |
| 2025/32      | 2d       | Willoughby La (PSID 579)             | High (4)             | Poor      | \$2,627      |
| 2025/32      | 2d       | Winslow St (PSID 591)                | High (4)             | Poor      | \$57,265     |
| 2025/32      | 2d       | Winslow Street Road Closure          | High (4)             | Poor      | \$47,733     |
| 2025/32      | 2d       | Wonga To Tobruk Footway (PSID 938)   | High (4)             | Poor      | \$57,372     |
| 2025/32      | 3a       | Belgrave St (PSID 66)                | Medium (3)           | Fair      | \$56,214     |
| 2025/32      | 3a       | Belgrave St (PSID 67)                | Medium (3)           | Fair      | \$89,963     |



| Replace Year | Priority   | Location                          | Risk Rating/ Category | Condition | Capital Cost        |
|--------------|--|-----------------------------------|-----------------------|-----------|---------------------|
| 2025/32      | 3a   | Belgrave St (PSID 68)             | Medium (3)            | Fair      | \$42,302            |
| 2025/32      | 3a   | Ben Boyd Rd (PSID 958)            | Medium (3)            | Fair      | \$20,910            |
| 2025/32      | 3a   | Chandos St (Westbound) (PSID 157) | Medium (3)            | Fair      | \$36,439            |
| 2025/32      | 3a   | Clark Rd (PSID 164)               | Medium (3)            | Fair      | \$39,823            |
| 2025/32      | 3a   | Clark Rd (PSID 165)               | Medium (3)            | Fair      | \$52,204            |
| 2025/32      | 3a   | Ernest St (PSID 221)              | Medium (3)            | Fair      | \$86,181            |
| 2025/32      | 3a   | Falcon St (PSID 229)              | Medium (3)            | Fair      | \$88,695            |
| 2025/32      | North Sydney CBD Public Domain Upgrades                  |                                   |                       |           | \$3,500,000         |
| 2025/32      | Crows Nest Public Domain Masterplan Implementation       |                                   |                       |           | \$1,400,000         |
| 2025/32      | Neutral Bay & Cremorne Public Domain Masterplan Projects |                                   |                       |           | \$1,274,000         |
| <b>Total</b> |  |                                   |                       |           | <b>\$17,374,000</b> |

**Note:** These Cost estimates do not include inflation / building escalations costs which can vary between 3-8% each year.

The streetscape budget is primarily used to upgrade footpaths in public domain areas. However, it should be noted that part of the streetscape budget is used to fund the upgrade and renewal of other assets such as street furniture, fences, etc.

**Table 17: Footpaths – Renewal and Replacement Program (Within Road Reserves)**

**Works Identified – Years 2025 - 32 (Years 4 - 10)**

| Replace Year | Priority | Location                                | Risk Rating/ Category | Condition | Capital Cost |
|--------------|----------|---|-----------------------|-----------|--------------|
| 2025/32      | 3a       | Falcon St (PSID 230)                    | Medium (3)            | Fair      | \$67,583     |
| 2025/32      | 3a       | Falcon St (PSID 232)                    | Medium (3)            | Fair      | \$58,168     |
| 2025/32      | 3a       | Falcon St (PSID 874)                    | Medium (3)            | Fair      | \$16,854     |
| 2025/32      | 3a       | Gerard St (PSID 244)                    | Medium (3)            | Fair      | \$11,369     |
| 2025/32      | 3a       | High St (PSID 278)                      | Medium (3)            | Fair      | \$111,455    |
| 2025/32      | 3a       | High St (PSID 882)                      | Medium (3)            | Fair      | \$26,373     |
| 2025/32      | 3a       | Kurraba Rd (PSID 320)                   | Medium (3)            | Fair      | \$42,712     |
| 2025/32      | 3a       | Kurraba Rd (PSID 321)                   | Medium (3)            | Fair      | \$31,879     |
| 2025/32      | 3a       | Macpherson St (Northbound) (PSID 347)   | Medium (3)            | Fair      | \$58,421     |
| 2025/32      | 3a       | Macpherson St (Northbound) (PSID 348)   | Medium (3)            | Fair      | \$46,232     |
| 2025/32      | 3a       | Military Rd (PSID 365)                  | Medium (3)            | Fair      | \$60,249     |
| 2025/32      | 3a       | Military Rd (PSID 368)                  | Medium (3)            | Fair      | \$105,598    |
| 2025/32      | 3a       | Miller St (PSID 376)                    | Medium (3)            | Fair      | \$268,781    |
| 2025/32      | 3a       | Miller St (PSID 377)                    | Medium (3)            | Fair      | \$36,418     |
| 2025/32      | 3a       | Miller St (PSID 378)                    | Medium (3)            | Fair      | \$123,263    |
| 2025/32      | 3a       | Miller St (PSID 382)                    | Medium (3)            | Fair      | \$31,102     |
| 2025/32      | 3a       | Pacific Hwy (PSID 817)                  | Medium (3)            | Fair      | \$209,202    |
| 2025/32      | 3a       | Rangers Rd (PSID 458)                   | Medium (3)            | Fair      | \$89,501     |
| 2025/32      | 3a       | River Rd (PSID 474)                     | Medium (3)            | Fair      | \$179,306    |
| 2025/32      | 3a       | Tramway La (PSID 878)                   | Medium (3)            | Fair      | \$15,845     |
| 2025/32      | 3b       | Albany St (PSID 7)                      | Medium (3)            | Fair      | \$17,958     |
| 2025/32      | 3b       | Alfred St North (Northbound) (PSID 618) | Medium (3)            | Fair      | \$63,947     |

| Replace Year | Priority | Location                   | Risk Rating/ Category | Condition | Capital Cost |
|--------------|----------|----------------------------|-----------------------|-----------|--------------|
| 2025/32      | 3b       | Alfred St North (PSID 620) | Medium (3)            | Fair      | \$43,500     |
| 2025/32      | 3b       | Amherst St (PSID 23)       | Medium (3)            | Fair      | \$103,665    |
| 2025/32      | 3b       | Amherst St (PSID 24)       | Medium (3)            | Fair      | \$106,313    |
| 2025/32      | 3b       | Atchison St (PSID 35)      | Medium (3)            | Fair      | \$56,954     |
| 2025/32      | 3b       | Bay Rd (PSID 58)           | Medium (3)            | Fair      | \$10,991     |
| 2025/32      | 3b       | Bay Rd (PSID 61)           | Medium (3)            | Fair      | \$99,693     |
| 2025/32      | 3b       | Bay Rd (PSID 63)           | Medium (3)            | Fair      | \$69,306     |
| 2025/32      | 3b       | Ben Boyd Rd (PSID 80)      | Medium (3)            | Fair      | \$11,894     |
| 2025/32      | 3b       | Ben Boyd Rd (PSID 82)      | Medium (3)            | Fair      | \$132,311    |
| 2025/32      | 3b       | Ben Boyd Rd (PSID 83)      | Medium (3)            | Fair      | \$136,518    |
| 2025/32      | 3b       | Ben Boyd Rd (PSID 84)      | Medium (3)            | Fair      | \$66,217     |
| 2025/32      | 3b       | Ben Boyd Rd (PSID 85)      | Medium (3)            | Fair      | \$28,496     |
| 2025/32      | 3b       | Benelong Rd (PSID 88)      | Medium (3)            | Fair      | \$49,531     |
| 2025/32      | 3b       | Blues Point Rd (PSID 103)  | Medium (3)            | Fair      | \$95,364     |
| 2025/32      | 3b       | Blues Point Rd (PSID 104)  | Medium (3)            | Fair      | \$6,446      |
| 2025/32      | 3b       | Blues Point Rd (PSID 107)  | Medium (3)            | Fair      | \$129,555    |
| 2025/32      | 3b       | Brightmore St (PSID 115)   | Medium (3)            | Fair      | \$82,734     |
| 2025/32      | 3b       | Broughton St (PSID 118)    | Medium (3)            | Fair      | \$198,447    |
| 2025/32      | 3b       | Burton St (PSID 998)       | Medium (3)            | Fair      | \$26,079     |
| 2025/32      | 3b       | Carr St (PSID 146)         | Medium (3)            | Fair      | \$165,038    |
| 2025/32      | 3b       | Clark Rd (PSID 163)        | Medium (3)            | Fair      | \$33,644     |
| 2025/32      | 3b       | Crows Nest Rd (PSID 184)   | Medium (3)            | Fair      | \$112,596    |
| 2025/32      | 3b       | Crows Nest Rd (PSID 185)   | Medium (3)            | Fair      | \$29,715     |
| 2025/32      | 3b       | Crows Nest Rd (PSID 186)   | Medium (3)            | Fair      | \$89,249     |
| 2025/32      | 3b       | Ernest St (PSID 215)       | Medium (3)            | Fair      | \$73,992     |
| 2025/32      | 3b       | Ernest St (PSID 216)       | Medium (3)            | Fair      | \$193,271    |
| 2025/32      | 3b       | Euroka St (PSID 223)       | Medium (3)            | Fair      | \$6,557      |
| 2025/32      | 3b       | Grafton St (PSID 249)      | Medium (3)            | Fair      | \$52,032     |
| 2025/32      | 3b       | Grasmere Rd (PSID 253)     | Medium (3)            | Fair      | \$10,095     |
| 2025/32      | 3b       | Grosvenor St (PSID 259)    | Medium (3)            | Fair      | \$15,362     |
| 2025/32      | 3b       | Lavender St (PSID 333)     | Medium (3)            | Fair      | \$81,482     |
| 2025/32      | 3b       | Lavender St (PSID 334)     | Medium (3)            | Fair      | \$29,462     |
| 2025/32      | 3b       | Merlin St (PSID 734)       | Medium (3)            | Fair      | \$49,426     |
| 2025/32      | 3b       | Milson Rd (PSID 393)       | Medium (3)            | Fair      | \$28,517     |
| 2025/32      | 3b       | Milson Rd (PSID 792)       | Medium (3)            | Fair      | \$76,115     |
| 2025/32      | 3b       | Montpelier St (PSID 401)   | Medium (3)            | Fair      | \$68,592     |
| 2025/32      | 3b       | Morton St (PSID 404)       | Medium (3)            | Fair      | \$74,917     |
| 2025/32      | 3b       | Morton St (PSID 405)       | Medium (3)            | Fair      | \$34,673     |
| 2025/32      | 3b       | Murdoch St (PSID 409)      | Medium (3)            | Fair      | \$56,928     |
| 2025/32      | 3b       | Murdoch St (PSID 411)      | Medium (3)            | Fair      | \$24,923     |
| 2025/32      | 3b       | Newlands St (PSID 417)     | Medium (3)            | Fair      | \$86,328     |

| Replace Year | Priority | Location                 | Risk Rating/ Category | Condition | Capital Cost |
|--------------|----------|--------------------------|-----------------------|-----------|--------------|
| 2025/32      | 3b       | Park Ave (PSID 434)      | Medium (3)            | Fair      | \$28,916     |
| 2025/32      | 3b       | Park Ave (PSID 435)      | Medium (3)            | Fair      | \$51,192     |
| 2025/32      | 3b       | Rawson St (PSID 459)     | Medium (3)            | Fair      | \$49,636     |
| 2025/32      | 3b       | Rawson St (PSID 460)     | Medium (3)            | Fair      | \$62,119     |
| 2025/32      | 3b       | Rocklands Rd (PSID 477)  | Medium (3)            | Fair      | \$73,812     |
| 2025/32      | 3b       | Shirley Rd (PSID 497)    | Medium (3)            | Fair      | \$139,327    |
| 2025/32      | 3b       | Shirley Rd (PSID 498)    | Medium (3)            | Fair      | \$48,796     |
| 2025/32      | 3b       | Shirley Rd (PSID 500)    | Medium (3)            | Fair      | \$30,093     |
| 2025/32      | 3b       | Spruson St (PSID 515)    | Medium (3)            | Fair      | \$60,168     |
| 2025/32      | 3b       | Union St (PSID 535)      | Medium (3)            | Fair      | \$116,029    |
| 2025/32      | 3b       | Walker St (PSID 544)     | Medium (3)            | Fair      | \$148,198    |
| 2025/32      | 3b       | Waters Rd (PSID 557)     | Medium (3)            | Fair      | \$30,315     |
| 2025/32      | 3b       | West St (PSID 564)       | Medium (3)            | Fair      | \$43,185     |
| 2025/32      | 3b       | Yeo St (PSID 607)        | Medium (3)            | Fair      | \$52,074     |
| 2025/32      | 3b       | Yeo St (PSID 608)        | Medium (3)            | Fair      | \$27,970     |
| 2025/32      | 3b       | Yeo St (PSID 609)        | Medium (3)            | Fair      | \$31,568     |
| 2025/32      | 3b       | Young St (PSID 803)      | Medium (3)            | Fair      | \$43,710     |
| 2025/32      | 3b       | Young St (PSID 804)      | Medium (3)            | Fair      | \$72,861     |
| 2025/32      | 3c       | Abbott St (PSID 965)     | Medium (3)            | Fair      | \$12,966     |
| 2025/32      | 3c       | Ada St (PSID 3)          | Medium (3)            | Fair      | \$19,417     |
| 2025/32      | 3c       | Allister St (PSID 22)    | Medium (3)            | Fair      | \$52,074     |
| 2025/32      | 3c       | Armstrong St (PSID 32)   | Medium (3)            | Fair      | \$76,577     |
| 2025/32      | 3c       | Atchison St (PSID 36)    | Medium (3)            | Fair      | \$66,175     |
| 2025/32      | 3c       | Aubin St (PSID 38)       | Medium (3)            | Fair      | \$40,025     |
| 2025/32      | 3c       | Balls Head Rd (PSID 50)  | Medium (3)            | Fair      | \$107,515    |
| 2025/32      | 3c       | Barry St (PSID 845)      | Medium (3)            | Fair      | \$51,268     |
| 2025/32      | 3c       | Bay View St (PSID 64)    | Medium (3)            | Fair      | \$93,830     |
| 2025/32      | 3c       | Bellevue St (PSID 69)    | Medium (3)            | Fair      | \$7,292      |
| 2025/32      | 3c       | Bells Ave (PSID 200)     | Medium (3)            | Fair      | \$4,035      |
| 2025/32      | 3c       | Belmont Ave (PSID 72)    | Medium (3)            | Fair      | \$9,099      |
| 2025/32      | 3c       | Belmont Ave (PSID 74)    | Medium (3)            | Fair      | \$29,394     |
| 2025/32      | 3c       | Ben Boyd Rd (PSID 79)    | Medium (3)            | Fair      | \$86,832     |
| 2025/32      | 3c       | Benelong Rd (PSID 87)    | Medium (3)            | Fair      | \$125,670    |
| 2025/32      | 3c       | Bennett St (PSID 90)     | Medium (3)            | Fair      | \$54,079     |
| 2025/32      | 3c       | Bertha Rd (PSID 97)      | Medium (3)            | Fair      | \$69,746     |
| 2025/32      | 3c       | Billong St (PSID 99)     | Medium (3)            | Fair      | \$1,071      |
| 2025/32      | 3c       | Bligh St (PSID 100)      | Medium (3)            | Fair      | \$82,776     |
| 2025/32      | 3c       | Boyle St (PSID 110)      | Medium (3)            | Fair      | \$61,552     |
| 2025/32      | 3c       | Brightmore St (PSID 114) | Medium (3)            | Fair      | \$55,142     |
| 2025/32      | 3c       | Bruce St (PSID 641)      | Medium (3)            | Fair      | \$31,081     |
| 2025/32      | 3c       | Burlington St (PSID 124) | Medium (3)            | Fair      | \$61,888     |

| Replace Year | Priority | Location                           | Risk Rating/ Category | Condition | Capital Cost |
|--------------|----------|------------------------------------|-----------------------|-----------|--------------|
| 2025/32      | 3c       | Burlington St (PSID 125)           | Medium (3)            | Fair      | \$143,320    |
| 2025/32      | 3c       | Burroway St (PSID 127)             | Medium (3)            | Fair      | \$35,506     |
| 2025/32      | 3c       | Bydown St (PSID 129)               | Medium (3)            | Fair      | \$117,670    |
| 2025/32      | 3c       | Cammeray Rd (PSID 135)             | Medium (3)            | Fair      | \$13,870     |
| 2025/32      | 3c       | Carabella St (PSID 137)            | Medium (3)            | Fair      | \$95,047     |
| 2025/32      | 3c       | Carabella St (PSID 138)            | Medium (3)            | Fair      | \$206,861    |
| 2025/32      | 3c       | Carabella St (PSID 139)            | Medium (3)            | Fair      | \$37,343     |
| 2025/32      | 3c       | Carlow St (PSID 140)               | Medium (3)            | Fair      | \$53,881     |
| 2025/32      | 3c       | Carlyle St (PSID 142)              | Medium (3)            | Fair      | \$100,981    |
| 2025/32      | 3c       | Carr St (PSID 144)                 | Medium (3)            | Fair      | \$22,591     |
| 2025/32      | 3c       | Carter St (PSID 1005)              | Medium (3)            | Fair      | \$58,610     |
| 2025/32      | 3c       | Carter St (PSID 148)               | Medium (3)            | Fair      | \$81,684     |
| 2025/32      | 3c       | Claude Ave (PSID 168)              | Medium (3)            | Fair      | \$69,934     |
| 2025/32      | 3c       | Cranbrook Ave (PSID 178)           | Medium (3)            | Fair      | \$60,564     |
| 2025/32      | 3c       | Cremorne Rd (PSID 182)             | Medium (3)            | Fair      | \$61,353     |
| 2025/32      | 3c       | Cremorne Rd (PSID 183)             | Medium (3)            | Fair      | \$21,976     |
| 2025/32      | 3c       | Darley St (PSID 188)               | Medium (3)            | Fair      | \$94,524     |
| 2025/32      | 3c       | David St (PSID 189)                | Medium (3)            | Fair      | \$14,605     |
| 2025/32      | 3c       | Donnelly Rd (Westbound) (PSID 669) | Medium (3)            | Fair      | \$26,604     |
| 2025/32      | 3c       | Dumbarton St (PSID 193)            | Medium (3)            | Fair      | \$43,668     |
| 2025/32      | 3c       | East Crescent St (PSID 196)        | Medium (3)            | Fair      | \$47,178     |
| 2025/32      | 3c       | East Crescent St (PSID 197)        | Medium (3)            | Fair      | \$118,920    |
| 2025/32      | 3c       | East Crescent St (PSID 198)        | Medium (3)            | Fair      | \$59,666     |
| 2025/32      | 3c       | Eaton St (PSID 199)                | Medium (3)            | Fair      | \$100,849    |
| 2025/32      | 3c       | Elamang Ave (PSID 207)             | Medium (3)            | Fair      | \$21,162     |
| 2025/32      | 3c       | Ellalong Rd (PSID 208)             | Medium (3)            | Fair      | \$49,363     |
| 2025/32      | 3c       | Ellalong Rd (PSID 209)             | Medium (3)            | Fair      | \$136,406    |
| 2025/32      | 3c       | Fall St (PSID 233)                 | Medium (3)            | Fair      | \$48,733     |
| 2025/32      | 3c       | Fitzroy St (PSID 236)              | Medium (3)            | Fair      | \$112,125    |
| 2025/32      | 3c       | Grasmere Rd (PSID 255)             | Medium (3)            | Fair      | \$107,510    |
| 2025/32      | 3c       | Green St (PSID 684)                | Medium (3)            | Fair      | \$13,197     |
| 2025/32      | 3c       | Hamilton La (PSID 686)             | Medium (3)            | Fair      | \$6,662      |
| 2025/32      | 3c       | Hampden Ave (PSID 261)             | Medium (3)            | Fair      | \$32,825     |
| 2025/32      | 3c       | Hardie St (PSID 688)               | Medium (3)            | Fair      | \$117,324    |
| 2025/32      | 3c       | Harriette St (PSID 263)            | Medium (3)            | Fair      | \$157,904    |
| 2025/32      | 3c       | Harriott St (PSID 267)             | Medium (3)            | Fair      | \$63,002     |
| 2025/32      | 3c       | Hayberry St (PSID 270)             | Medium (3)            | Fair      | \$109,045    |
| 2025/32      | 3c       | Hazelbank Rd (PSID 273)            | Medium (3)            | Fair      | \$76,028     |
| 2025/32      | 3c       | High St (PSID 277)                 | Medium (3)            | Fair      | \$18,009     |
| 2025/32      | 3c       | Hodgson Ave (PSID 281)             | Medium (3)            | Fair      | \$11,710     |
| 2025/32      | 3c       | Holtermann St (PSID 288)           | Medium (3)            | Fair      | \$121,758    |

| Replace Year | Priority | Location                  | Risk Rating/ Category | Condition | Capital Cost        |
|--------------|----------|---------------------------|-----------------------|-----------|---------------------|
| 2025/32      | 3c       | Holtermann St (PSID 289)  | Medium (3)            | Fair      | \$14,017            |
| 2025/32      | 3c       | Hume St (PSID 294)        | Medium (3)            | Fair      | \$43,836            |
| 2025/32      | 3c       | Illiliwa St (PSID 300)    | Medium (3)            | Fair      | \$63,443            |
| 2025/32      | 3c       | Iredale Ave (PSID 302)    | Medium (3)            | Fair      | \$35,178            |
| 2025/32      | 3c       | Iredale Ave (PSID 303)    | Medium (3)            | Fair      | \$30,408            |
| 2025/32      | 3c       | Jeffreys St (PSID 306)    | Medium (3)            | Fair      | \$36,019            |
| 2025/32      | 3c       | Kareela Rd (PSID 311)     | Medium (3)            | Fair      | \$41,838            |
| 2025/32      | 3c       | King St (PSID 314)        | Medium (3)            | Fair      | \$52,011            |
| 2025/32      | 3c       | King St (PSID 315)        | Medium (3)            | Fair      | \$58,820            |
| 2025/32      | 3c       | King St (PSID 316)        | Medium (3)            | Fair      | \$45,861            |
| 2025/32      | 3c       | Kirribilli Ave (PSID 318) | Medium (3)            | Fair      | \$20,132            |
| 2025/32      | 3c       | Kirribilli Ave (PSID 319) | Medium (3)            | Fair      | \$96,984            |
| 2025/32      | 3c       | Kurraba Rd (PSID 324)     | Medium (3)            | Fair      | \$70,531            |
| 2025/32      | 3c       | Kurraba Rd (PSID 325)     | Medium (3)            | Fair      | \$64,940            |
| 2025/32      |          | Contingency               |                       |           | \$1,513,500         |
| <b>Total</b> |          |                           |                       |           | <b>\$11,906,103</b> |

**Note:** These Cost estimates do not include inflation / building escalations costs which can vary between 3-8% each year.

#### Capital Renewal – Footpaths Within Parks

**Table 18: Footpaths – Renewal and Replacement Program (Within Parks)**

##### Priority Projects 2022/23 (Year 1)

| Replace Year | Priority    | Location                             | Risk Rating / Category | Condition | Cost estimate    |
|--------------|-------------|--------------------------------------|------------------------|-----------|------------------|
| 2022/23      | 1b          | Blues Point Reserve - FP10055        | Very High (5)          | Very Poor | \$12,737         |
| 2022/23      | 1c          | Brightmore Reserve - FP10107         | Very High (5)          | Very Poor | \$1,346          |
| 2022/23      | 1c          | Smoothey Park - FP20149              | Very High (5)          | Very Poor | \$2,472          |
| 2022/23      | 1d          | Walker Street Road Reserve - FP10570 | Very High (5)          | Very Poor | \$1,504          |
| 2022/23      | 1d          | Carradah Park - FP10924              | Very High (5)          | Very Poor | \$1,250          |
| 2022/23      | 1d          | Spains Wharf Road Reserve - FP20157  | Very High (5)          | Very Poor | \$1,937          |
| 2022/23      | 1d          | Brennan Park - FP20023               | Very High (5)          | Very Poor | \$989            |
| 2022/23      | 2a          | Falcon St (PSID 231)                 | High (4)               | Poor      | \$7,850          |
| 2022/23      | 2b          | Cremorne Reserve - FP11165           | High (4)               | Poor      | \$6,259          |
| 2022/23      | 2b          | Cremorne Reserve - FP11135           | High (4)               | Poor      | \$18,777         |
| 2022/23      | 2b          | Cremorne Reserve - FP11137           | High (4)               | Poor      | \$10,221         |
| 2022/23      | 2b          | Cremorne Reserve - FP11096           | High (4)               | Poor      | \$17,306         |
| 2022/23      | 2b          | Cremorne Reserve - FP11100           | High (4)               | Poor      | \$6,865          |
| 2022/23      | 2b          | Balls Head Reserve - FP11008         | High (4)               | Poor      | \$98,177         |
| 2022/23      | Contingency |                                      |                        |           | \$12,310         |
| <b>Total</b> |             |                                      |                        |           | <b>\$200,000</b> |



**Note:** These Cost estimates do not include inflation / building escalations costs which can vary between 3-8% each year.

**Table 19: Footpaths – Renewal and Replacement Program (Within Parks)**

**Priority Projects 2023/24 (Year 2)**

| Replace Year | Priority   | Location                     | Risk Rating / Category | Condition | Cost estimate    |
|--------------|--|------------------------------|------------------------|-----------|------------------|
| 2023/24      | 2b   | Balls Head Reserve - FP10990 | High (4)               | Poor      | \$15,332         |
| 2023/24      | 2b   | Balls Head Reserve - FP10977 | High (4)               | Poor      | \$55,947         |
| 2023/24      | 2b   | Balls Head Reserve - FP10980 | High (4)               | Poor      | \$43,843         |
| 2023/24      | 2b   | Balls Head Reserve - FP10972 | High (4)               | Poor      | \$60,520         |
| 2023/24      | Contingency  |                              |                        |           | \$24,358         |
| 2023/24      | Formalise path between Munro St bridge and main path leading down to foreshore in Sawmillers Reserve and associated landscape improvements |                              |                        |           | \$220,000        |
| <b>Total</b> |  |                              |                        |           | <b>\$420,000</b> |

**Note:** These Cost estimates do not include inflation / building escalations costs which can vary between 3-8% each year.

**Table 20: Footpaths – Renewal and Replacement Program (Within Parks)**

**Priority Projects 2024/25 (Year 3)**

| Replace Year | Priority    | Location                     | Risk Rating / Category | Condition | Cost estimate    |
|--------------|-------------|------------------------------|------------------------|-----------|------------------|
| 2024/25      | 2b          | Balls Head Reserve - FP10953 | High (4)               | Poor      | \$135,027        |
| 2024/25      | Contingency |                              |                        |           | \$64,973         |
| <b>Total</b> |             |                              |                        |           | <b>\$200,000</b> |

**Note:** These Cost estimates do not include inflation / building escalations costs which can vary between 3-8% each year.

**Table 21: Footpaths – Renewal and Replacement Program (Within Parks)**

**Priority Projects 2025/32 (Year 4-10)**

| Replace Year | Priority | Location                       | Risk Rating / Category | Condition | Cost Estimate |
|--------------|----------|--------------------------------|------------------------|-----------|---------------|
| 2025/32      | 2b       | Balls Head Reserve - FP10880   | High (4)               | Poor      | \$451,613     |
| 2025/32      | 2b       | Balls Head Reserve - FP10884   | High (4)               | Poor      | \$135,074     |
| 2025/32      | 2b       | Blues Point Reserve - FP10809  | High (4)               | Poor      | \$108,936     |
| 2025/32      | 2b       | Blues Point Reserve - FP10057  | High (4)               | Poor      | \$93,335      |
| 2025/32      | 2b       | Blues Point Reserve - FP10060  | High (4)               | Poor      | \$75,583      |
| 2025/32      | 2b       | Berry Island Reserve - FP10044 | High (4)               | Poor      | \$44,112      |
| 2025/32      | 2b       | Balls Head Reserve - FP10020   | High (4)               | Poor      | \$89,032      |
| 2025/32      | 2b       | St Leonards Park - FP10527     | High (4)               | Poor      | \$10,027      |
| 2025/32      | 2b       | St Leonards Park - FP10532     | High (4)               | Poor      | \$20,195      |
| 2025/32      | 2b       | Balls Head Reserve - FP10899   | High (4)               | Poor      | \$48,073      |
| 2025/32      | 2b       | Balls Head Reserve - FP10903   | High (4)               | Poor      | \$10,444      |
| 2025/32      | 2b       | Balls Head Reserve - FP10968   | High (4)               | Poor      | \$29,283      |

| Replace Year | Priority    | Location  | Risk Rating / Category | Condition | Cost Estimate      |
|--------------|-------------|---|------------------------|-----------|--------------------|
| 2025/32      | 2c          | Kareela Rd (PSID 857)                                 | High (4)               | Poor      | \$3,310            |
| 2025/32      | 2c          | Waverton Park (includes Merrett Playground) - FP10984 | High (4)               | Poor      | \$113,239          |
| 2025/32      | 2c          | Brightmore Reserve - FP10101                          | High (4)               | Poor      | \$30,959           |
| 2025/32      | 2c          | Milson Park - FP10391                                 | High (4)               | Poor      | \$1,765            |
| 2025/32      | 2c          | Quibaree Park - FP10464                               | High (4)               | Poor      | \$4,676            |
| 2025/32      | 2c          | Smoothey Park - FP10502                               | High (4)               | Poor      | \$2,108            |
| 2025/32      | 2c          | Smoothey Park - FP10505                               | High (4)               | Poor      | \$15,823           |
| 2025/32      | 2c          | St Thomas Rest Park - FP10545                         | High (4)               | Poor      | \$9,230            |
| 2025/32      | 2c          | Waverton Park (includes Merrett Playground) - FP10617 | High (4)               | Poor      | \$27,305           |
| 2025/32      | 2c          | St Thomas Rest Park - FP10836                         | High (4)               | Poor      | \$22,412           |
| 2025/32      | 2c          | Waverton Park (includes Merrett Playground) - FP10863 | High (4)               | Poor      | \$2,837            |
| 2025/32      | Contingency |   |                        |           | \$50,629           |
| <b>Total</b> |             |   |                        |           | <b>\$1,400,000</b> |

**Note:** These Cost estimates do not include inflation / building escalations costs which can vary between 3-8% each year.

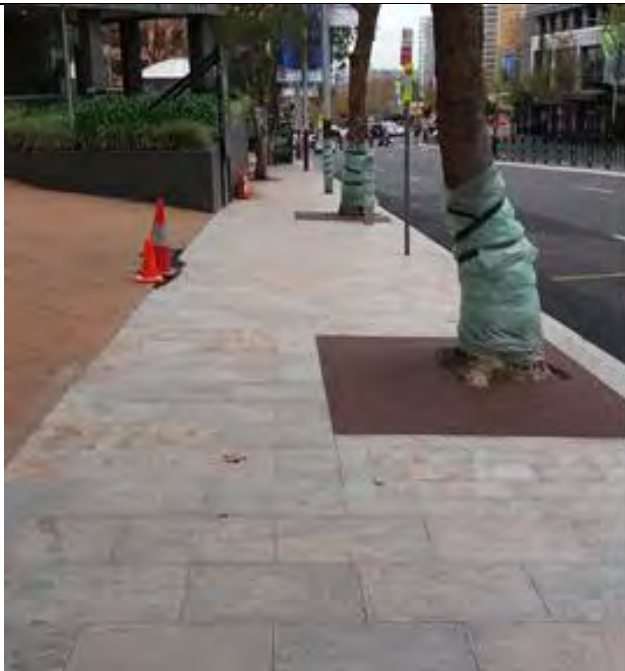
**Footpath Renewal Program**



Morton Street, Waverton



Walker Street, North Sydney



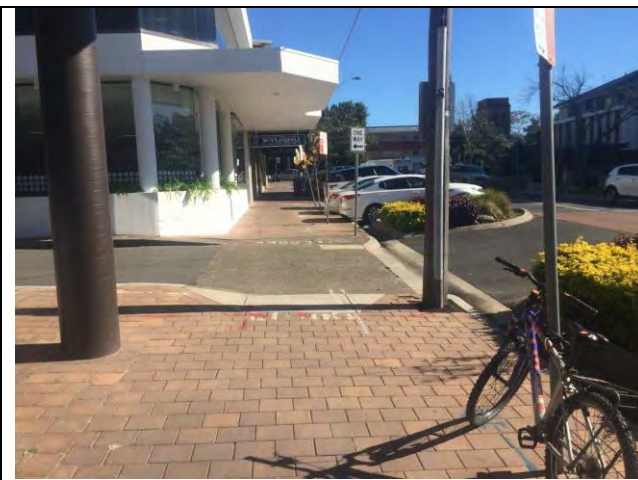
Pacific Highway, North Sydney – Mount Street to Walker Street



Alexander Street, Crows Nest – Pebblecrete



Grosvenor Street, Neutral Bay - Pebblecrete



Grosvenor Street, Neutral Bay – Before and After





Pacific Highway, North Sydney – Granite



Doris Street, North Sydney – Before

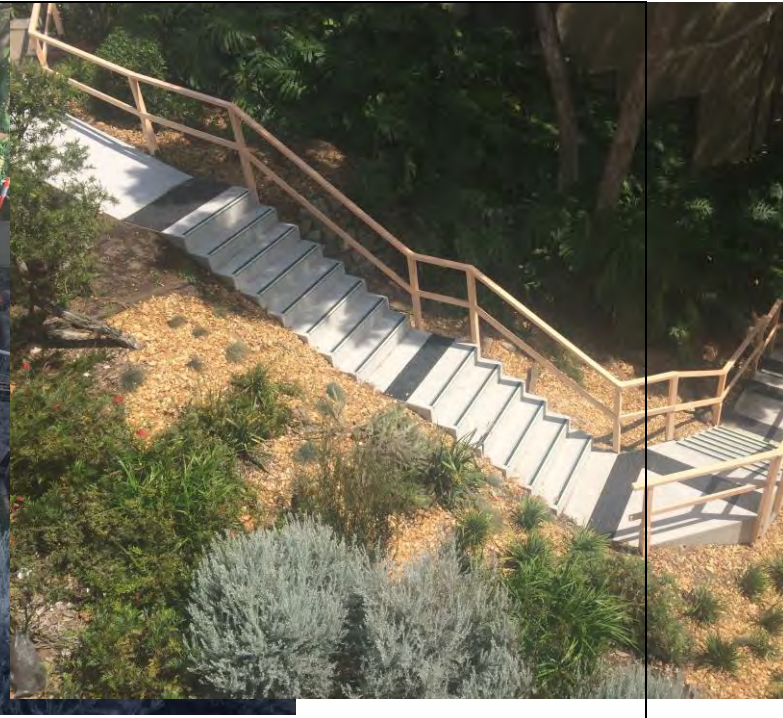


Doris Street, North Sydney – After





Peel Street, Kirribilli – Before



Peel Street, Kirribilli – After



Carr Street, Waverton – Before



Carr Street, Waverton – After





Stratford Road, Cammeray – Before



Stratford Road, Cammeray – After

### **Footpaths – Performance Measures**

The effectiveness of the asset management plan can be measured in the following ways:

- The degree to which the required projected expenditures identified in this asset management plan are incorporated into the long term financial plan,
- The degree to which 1-5 year detailed works programs, budgets, business plans and corporate structures take into account the 'global' works program trends provided by the asset management plan,
- The degree to which the existing and projected service levels and service consequences (what we cannot do), risks and residual risks are incorporated into the Strategic Plan and associated plans,
- The Asset Renewal Funding Ratio achieving the target of 1.0.

### **Footpaths – References**

- Footpaths Data Collection & Condition Survey Audit by Consultants, Rapid Map Services Pty Ltd in conjunction with Asset & Facilities Management Consulting Pty Ltd.
- IPWEA, 2006, 'International Infrastructure Management Manual', Institute of Public Works Engineering Australasia, Sydney, [www.ipwea.org/IIMM](http://www.ipwea.org/IIMM)
- IPWEA, 2008, 'NAMS.PLUS Asset Management', Institute of Public Works Engineering Australasia, Sydney,
- IPWEA, 2014, Version 2, 'Condition Assessment & Asset Performance Guidelines Practice Note 1: Footpaths & Cycleways', Institute of Public Works Engineering Australasia, Sydney
- IPWEA, 2015, 2nd edition, 'Australian Infrastructure Financial Management Manual', Institute of Public Works Engineering Australasia, Sydney
- IPWEA, 2015, 3rd edition, 'International Infrastructure Management Manual', Institute of Public Works Engineering Australasia, Sydney
- IPWEA, 2012 LTFP Practice Note 6 PN Long Term Financial Plan, Institute of Public Works Engineering Australasia, Sydney

## APPENDICES

### APPENDIX A: Maintenance Management System

Defect Management Inspection - Footpaths

Inspection areas have been defined in accordance with their usage – high (**red**), medium (**blue**) or low (**white**).

Inspection frequencies are based on these areas as defined by the reference maps and the resources currently available to undertake the inspections. The results of inspections are downloaded into the MMDS database

**Red** – 2 times per year;      **Blue** – Once each year;      **White** – Once every 2 years

There are 5 categories in which a defect may be placed.

|              |  |  |
|--------------|--|--|
| <b>Cat 5</b> |  | Will be completed or <b>made safe</b> no later than 2 working days after allocation of defect to work crew. If made safe defect will then be re-categorised as Cat 4 or Cat 3. |
| <b>Cat 4</b> |  | Will be repaired no later than 10 working days after allocation of defect to work crew.  |
| <b>Cat 3</b> |  | Will be repaired no later than 40 working days after allocation of defect to work crew.  |
| <b>Cat 2</b> |  | Will be repaired no later than 160 working days after allocation of defect to work crew.   |
| <b>Cat 1</b> |  | As new. Surface displaying no defects. May have aesthetic issues such as gum, stains, services mark-up, etc.   |

#### Intervention Matrix – Footpaths

| DISPLACEMENT<br>(mm) | DISTORTION<br>(mm)<br>> 1 in 5 GRADE | SLIPPERINESS | SEVERITY | RISK ADJUSTED FOR PEDESTRIAN<br>VOLUME AND AGE |           |           |
|----------------------|--------------------------------------|--------------|----------|--|-----------|-----------|
|                      |                                      |              |          | WHITE  | BLUE      | RED       |
| < 10                 | < 20                                 |              |          | LOW  | LOW       | LOW       |
| 10 to 25             | 20 to 50                             |              | Slight   | MEDIUM   | HIGH      | HIGH      |
| 25 to 50             | 50 to 100                            |              | Moderate | HIGH   | HIGH      | VERY HIGH |
| > 50                 | > 100                                | Yes          | Extreme  | HIGH   | VERY HIGH | VERY HIGH |

#### NOTES:

1. Appearance defects (gum, stains, surface marks etc) are not safety issues. Response time TBA. Record in "Category" as "A".
2. Slipperiness includes loose under foot.
3. Displacement may be height or width.
4. Distortion is uneven or undulating surface with gradient > 1 in 5.
5. "Red" footpaths have high pedestrian traffic and high usage by older pedestrians.
6. "Blue" footpaths have medium pedestrian traffic.
7. "White" footpaths have low pedestrian traffic.

The focus of footpath inspections is the hard surface areas - concrete, asphalt or paving - between the building line and the kerb.

Areas identified for repairs assume whole panel replacement unless otherwise specified by inspector.

### Scheduled Maintenance

Paver cleaning undertaken as per Paving Cleaning Program.