
# HUMPHREYS RIVULET SHARED-USE PATHWAY

Glenorchy City Council

Overview of 2013 Pitt & Sherry Concept Development Report

# ALIGNMENT WITH REGIONAL PLANS

**Integration with City Vision**

The pathway supports Glenorchy City Council's vision of connecting Mount Wellington to the Derwent River through an open space corridor.

**Cycling Infrastructure Development**

It complements the Hobart Regional Arterial Bicycle Network Plan by improving cycling routes between Glenorchy CBD and Tolosa Park.

**Off-road Trails and Active Lifestyles**

The Glenorchy Recreation Plan encourages off-road trails for walking and cycling to connect community facilities and promote health.

**Support for Safe Transport Systems**

Tasmanian transport plans emphasize safe, accessible, connected systems to reduce environmental impact and improve public health.

# PATH SPECIFICATIONS AND SEGMENTATION

**Pathway Dimensions and Accessibility**

The shared-use path is 2.5 metres wide with 0.5 metre clearance and includes 1.5 metre wide pedestrian links for wheelchair access.

**Segmented Path Design**

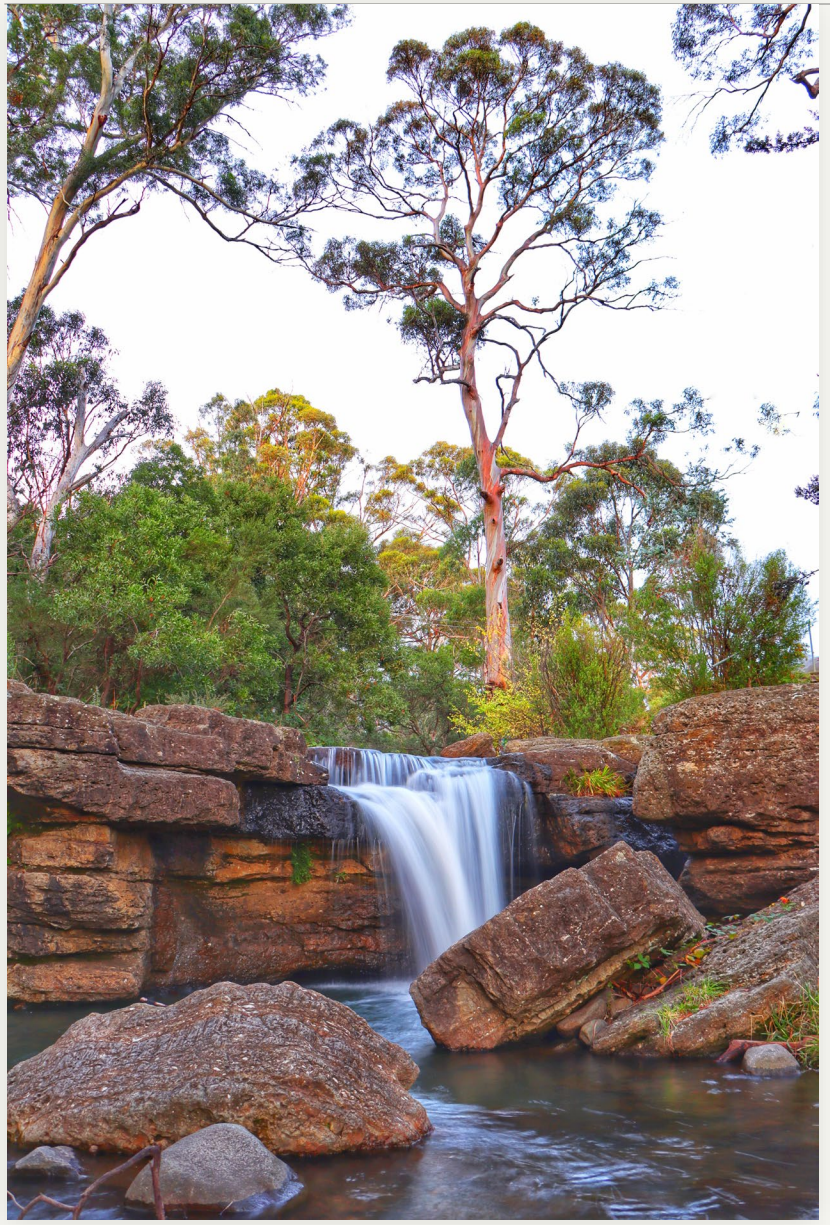
The pathway is divided into six segments, combining off-road paths and on-road cycle lanes adapted to local terrain and streets.

**Safety and Lighting Features**

Lighting meets P4 standards with 60W Metal Halide lamps spaced 55 metres apart; design speed is 30 km/h for cyclist safety.

**Bridges and Elevated Walkways**

The path includes several new 3.8 metre wide bridges and elevated walkways to navigate obstacles safely and efficiently.



# FLORA, FAUNA, AND HERITAGE IMPACTS

**Flora and Weed Species**

The corridor contains 12 declared weed species including boneseed, pampas grass, and blackberry, impacting native vegetation.

**Threatened Flora and Fauna**

Vulnerable plants and endangered birds like Epacris acuminata and masked owl are present near the corridor within protected zones.

**Heritage Site Proximity**

The corridor is near Aboriginal and European heritage sites featuring historic stone walls and dwellings requiring careful preservation.

**Zoning and Recommendations**

The area is zoned as Open Space with some discretionary approvals; further studies are recommended to protect ecology and heritage.

# SPECIFICATIONS AND ALTERNATIVES

**Standard Lighting Setup**

Recommended lighting uses 60W Metal Halide lamps on Thorn Clan C fittings spaced 55 meters apart for safety and compliance.

**LED Lamp Alternative**

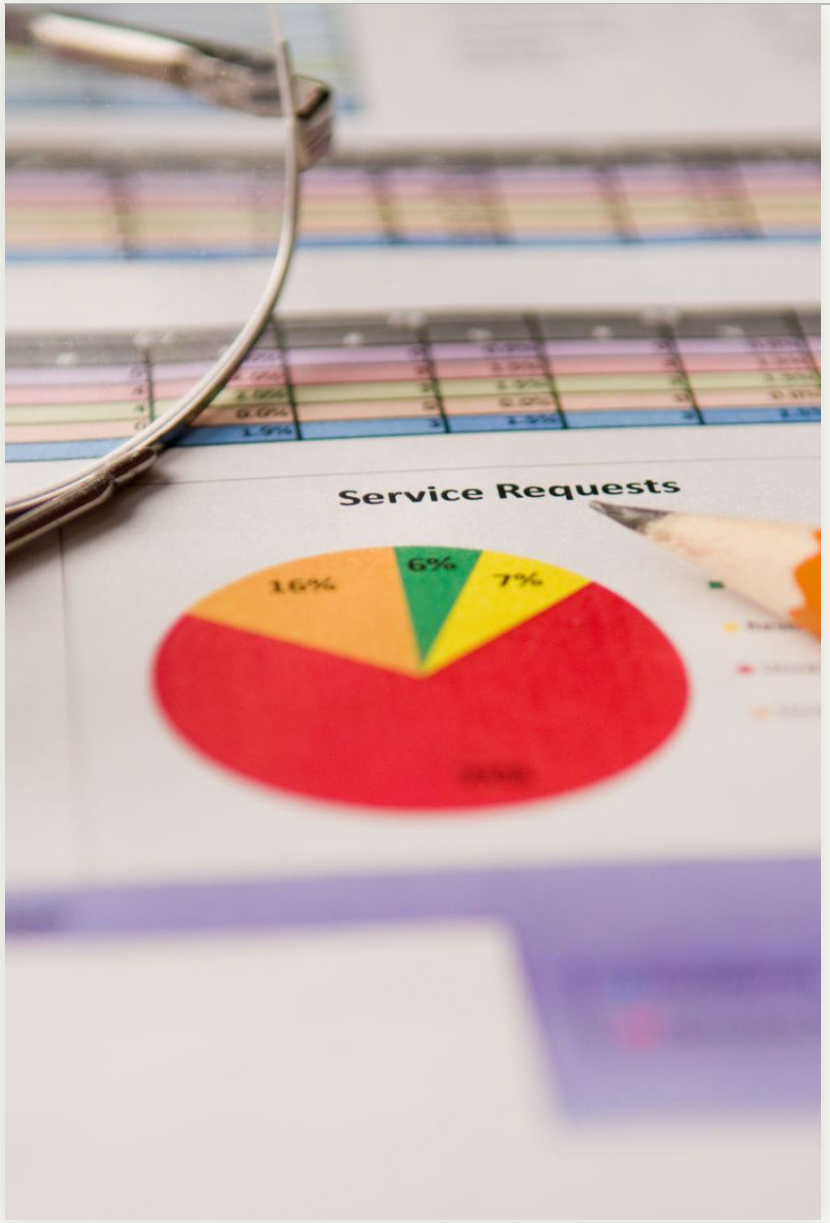
LED lamps offer better colour temperature and durability but involve higher installation costs compared to traditional lamps.

**Compact Fluorescent Lamps**

42W CFLs reduce spacing needs but provide lower colour rendition, balancing cost and lighting quality.

**Enhanced Lighting for Security**

P3 lighting category offers higher vertical illumination and closer spacing to improve facial recognition and security.




# FINANCIAL BREAKDOWN AND RISK ANALYSIS

**Cost Estimates Overview**

In 2013 cost estimates ranged from $5.87M to $9.15M including contingencies and escalation.  In 2024 this has increased to $17M.

**Risk Factors Identified**

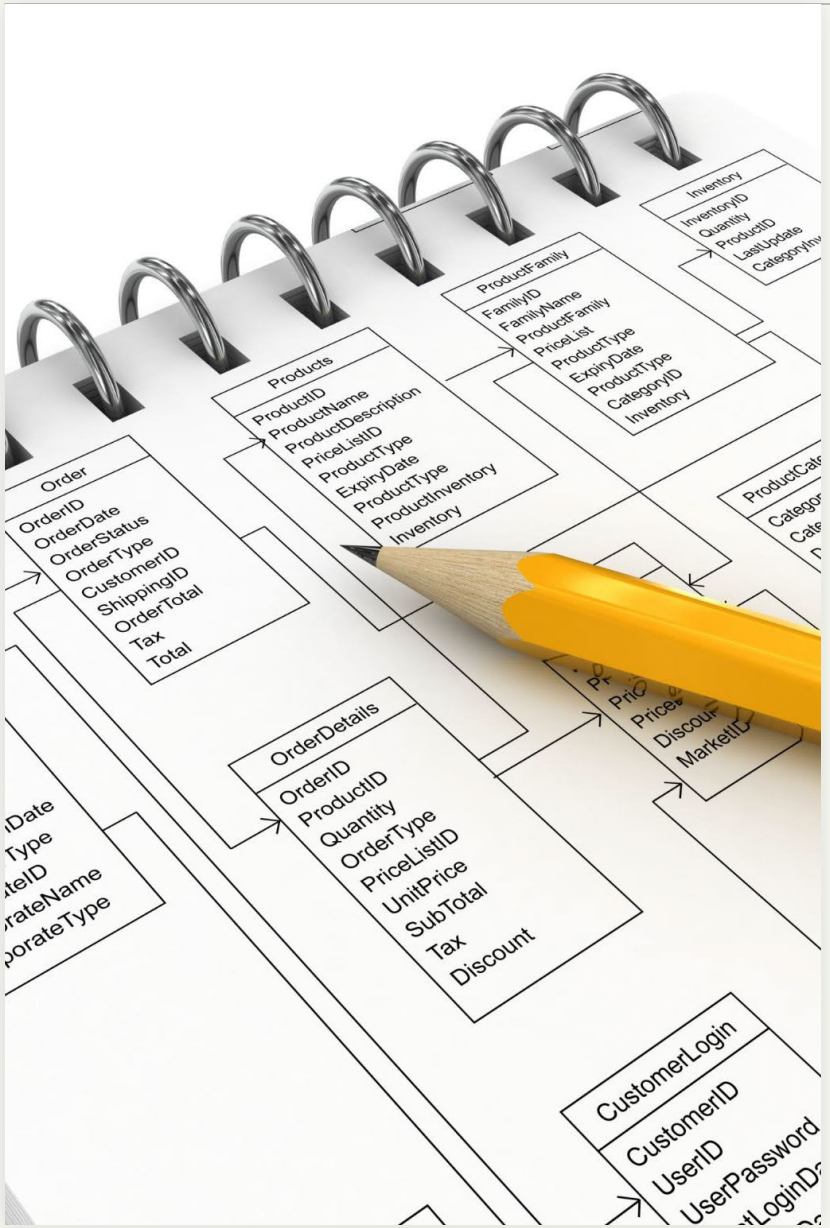
Key risks include design delays, scope changes, stakeholder opposition, and heritage discoveries affecting costs.

**Use of Probabilistic Modelling**

Probabilistic modelling with specialized software quantifies inherent and contingent financial risks.

**Comprehensive Cost Breakdown**

Costs include contractor fees, utility relocations, lighting, and public consultation for full project scope.




# IMPLEMENTATION TIMELINE AND PHASING

**Phased Delivery Approach**

The project spans six years with one section completed each year, enabling manageable budgeting and resource use.

**Prioritized Sequencing**

Sections are prioritized based on technical feasibility and connectivity benefits to optimise impact and efficiency.

**Comprehensive Project Activities**

Each phase includes scoping, design, construction, public consultation, and project management tasks.

**Financial Planning Integration**

Cash flow projections and cost escalation estimates provide a clear financial roadmap for the project.

# IDENTIFIED RISKS AND MITIGATION STRATEGIES

**Key Project Risks**

Risks identified include stakeholder opposition, heritage discoveries, design delays, contractor claims, flooding, and weed growth.

**Mitigation Strategies**

Mitigation involves detailed investigations, community engagement, environmental and heritage assessments, and CPTED safety measures.

**Financial and Adaptive Management**

Financial risks managed by probabilistic modelling and contingency planning; adaptive management ensures ongoing stakeholder communication.