



CITY OF PROSPECT
ADVOCACY
PRIORITIES



ACKNOWLEDGEMENT OF COUNTRY

City of Prospect acknowledges that we are on the traditional country of the Kurna people of the Adelaide Plains region and we pay our respect to Elders past and present.

We recognise and respect their cultural heritage, beliefs and relationships with the land and we acknowledge that they are of continuing importance to the Kurna people living today.



PROSPECT FLOOD MITIGATION PROJECT

PROJECT OVERVIEW

- Churchill Road has a history of flood inundation of surrounding residential and commercial properties. With past flooding, the hardest hit locality was in the vicinity of Charles Street and Princes Street (immediately east of Churchill Road).
- Following the 2016 flood event, the City of Prospect purchased a flood-affected property at 93 Charles Street to expand the adjacent Stan Watson Reserve and increase the storage capacity of the existing pump station located in the reserve. The pump station, designed to serve the local catchment only, discharges into the existing low-capacity Churchill Road drain.
- The Churchill Road Drainage Upgrade (Stage 1) project will establish a new high-capacity outfall drain connecting Charles Street to the HEP channel on the western side of the rail corridor.
- This project is Council's priority to be implemented, due to:
 - Its potential to enable future upstream connections to the new outfall drain in a staged approach to further reduce flood risk to the area.
 - The benefits of undertaking the stormwater drain upgrade along what is the most complex section of the network in parallel with the delivery of the adjacent Renewal SA housing development.
 - The upgraded trunk/outfall drain will also provide significant benefits by improving flood protection to the rail corridor and assisting the localised trapped low point on Charles Street to drain more freely and effectively.



Charles Street, Prospect, December 2016



CURRENT FUNDING

The project has an estimated total cost of \$14.8 million and can be delivered in sections. The first section (Stage 1A) is from the HEP Channel to the north-western corner of the Renewal SA housing development and will include new pipes installed beneath the rail corridor and Regency Road bridge.

The estimated cost of Stage 1A is \$4.5 million and is being delivered under a tripartite funding model with Federal, State and Local Government contributions as follows;

- Federal Government via National Emergency Management Agency – \$1.5 million (33%) and subject to confirmation
- State Government via Stormwater Management Authority – \$1.5 million (33%)
- City of Prospect has committed to funding \$1.5 million (33%)

\$10.3M of funding is required to complete the next stage of works.



ADDITIONAL FUNDING

The total funding allocated to Stormwater Management in the LTFP is \$13.5M over the next 10 years towards progressing the Barker Inlet Stormwater Management Plan infrastructure improvement identified. It is proposed to use these funds to seek additional contributions from the Federal Government and State Government to secure the additional investment of \$10.3 million required to complete the next stage of the project.

The first stage of the project is being delivered under an Early Contractor Involvement framework which will ensure that the detailed designs are completed, and the next stage of the project is 'shovel ready' in the event that additional funds become available.

Flood Modelling - Existing Issues



KEY BENEFITS

Key rail (Gawler Rail Line/ One Rail) and road (Churchill Road) freight transport corridor from Adelaide is at risk of severe flooding causing major disruption of services. The Churchill Road Drainage Upgrade project will also provide key foundation infrastructure to allow for continued improvement to flood protection across the City. Over time through further investment beyond Stage 1 this will avoid impacts on critical freight by reducing the likelihood of transport services being disrupted during a significant rainfall event.

ECONOMIC IMPACTS

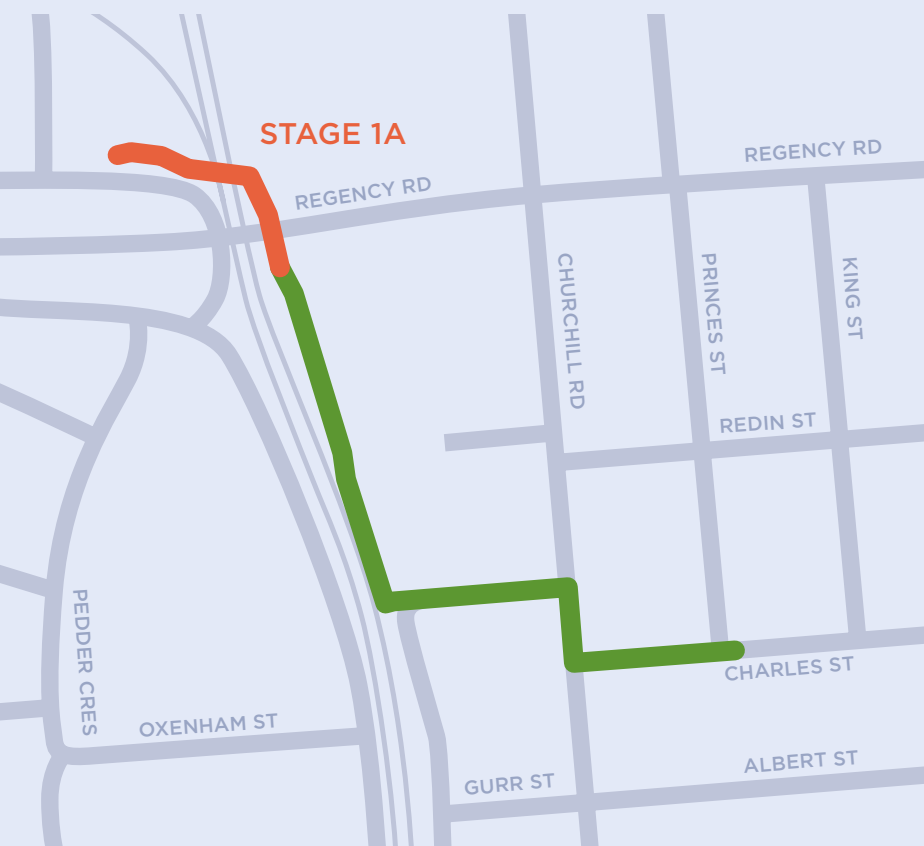
- The overall investment for the Churchill Road Drainage Stage 1 project will be \$14.8 million.
- From the \$14.8 million investment, a high-level economic assessment has estimated the corresponding creation of direct jobs is estimated at 25 or 8.3 per annum for 3 years. From this direct expansion in the economy, flow-on supply-chain effects in terms of local purchases of supplies, foods and services anticipated, would result in the gain of a further 65 jobs or 21.6 per annum for 3 years.
- Total employment, including all director, supply-chain and consumption effects is estimated to increase by up to 90 jobs or 30 per annum for 3 years.
- The total contribution to South Australia's Gross State Product, including all direct, supply-chain and consumption effects, is estimated to be up to \$15.6 million over 3 years.



RECENT ACTIVITIES, NEXT STEPS AND PROJECT TIMEFRAME

The Churchill Road Drainage Upgrade Stage 1 project is expected to progress as follows:

- Requests for variations have been submitted to the funding providers for Stage 1A, the SMA and NEMA. The SMA's funding commitment has been confirmed and confirmation of NEMA's funding commitment is pending.
- Risk Analysis and Safety in Design: Additional risk analysis tasks, including Safety in Design and construction risk assessments, have been completed to ensure the project is delivered safely and efficiently.
- Stakeholder Liaison: Continued liaison with stakeholders will occur to ensure the project meets the needs of all parties.
- Functional Design: The final functional design has been completed following feedback from stakeholders and completion of risk and safety in design assessments.
- Tender Process: Documentation for the Early Contractor Involvement (ECI) Design and Construct (D&C) contract is being prepared. This contract will outline the detailed scope of work, cost, and timeline for the project. The desired outcomes include engaging suitably qualified and experienced contractors/consultants to deliver the works to a quality standard, within budget and project deadline.
- A Business Case is being prepared to support future funding applications to secure the additional investment of \$10.3 million required to complete the remaining sections of the project. The Business Case will comprehensively investigate the benefits of the proposed flood mitigation works including the reduction in flood damages (costs avoided) and broader socio-economic and environmental benefits associated with improving the community's resilience to flooding.



CHURCHILL ROAD, PROSPECT

STORMWATER DRAINAGE UPGRADE STAGE 1

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