

Fremantle Car and Pedestrian Bridge Upgrade

Business Case and Project Scope

Version Control			
Version Number:	1.0	Revision Date:	1/4/22
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Project Brief

The following document outlines the high-level details of the Fremantle River Car and Pedestrian Bridge upgrade that has been proposed to be developed between.... The project aims to improve access and traffic thoroughfare while maintaining operations during works period and minimising impact to the surrounding neighbourhoods.

Stakeholders

The project will involve commonwealth and local governments due to grants provided for works completed. Works contractors, both first and third party, across a range of disciplines. Community and local business representatives will also be invited to engage with the planning and execution phases of the project.

Contacts

Name	Position/Relevancy	Contact	Availability
Martha Stewart	Project Manager	045127845	Mon-Thurs (9am-5pm)
Steve Allan	DITRDC Rep	045186654	Wed, Thurs (2pm-6PM)
Peter Johnson	Fremantle Council	045128845	Mon-Fri (9am-5pm)
Jenny Craig	Health, Safety and Risk Management Consultant	045111245	Tuesday's (8:30am-4:30pm)
Devon J Yukon II	Local business and community Rep	045447845	Mon-Fri (9am -5pm)

Problem Statement/Context/Background

Currently traffic crawls to a standstill between rush hour and peak traffic attempts to cross over the swan river bi-directionally. This Impacts local residents and has become a problem a area for several months. After review and initial traffic volume measurements which showed a 13% increase in traffic over the course of the last 3 years due to growth in population in the neighbouring areas of Fremantle, Bicton, Palmyra, and North Fremantle.

Objectives

1. Reduce Traffic

The major aim of this project is to increase capacity on the bridge by increasing throughput of vehicles between each side of the bridge network.

Metric

This objective can be measured via actual traffic usage statistics of the bridge. In combination with the average waiting time at the surrounding junctions.

Priority

This objective is the core primary objective of the project its is vital above all others.

[Alternative Table Style]

2. Better Customer Metrics			
Allow operational and managerial staff to monitor and track customer and staff metrics to ensure KPI's can be established with better accuracy in line with company objectives to boost sales.			
Metric	Provided Tooling	Priority	Non-negotiable

Existing solution

There is currently a bridge crossing the area but has been built since 1987 and is showing signs of structural degradation. There's a traffic management system already in place to maintain a traffic flow of between 45-67% over the cycle. It does well at maintaining a moderate flow but misses any electronic flow detection software that monitors flow and adjusts traffic signals. Currently the traffic signals work on a schedule set for day and night which does not allow for variances in peak traffic. The bridge in place currently is suffering from years of neglect and mis management of maintenance which has caused a severe degradation of both work surfaces and structural integrity.

Commented [a1]: Strength

Commented [a2]: Opportunity

Commented [a3]: Weakness

Commented [a4]: Threat

Deliverables

- Proposal Document
- Action Plan
- A modern bridge
- Traffic Management and Signally System.
- Review and reflection committee meeting

Timeline

This project must be completed by Q2 of 2023 with a review in Q3. Planning must be completed before the end of Q4 2022.

Assumptions

The project assumes that the existing structure will need replacing.

The existing signalling system should perform for the duration of works to ensure maintainability and facilitate the works ongoing.

Constraints

- The project works can only affect the bridge and direct existing traffic signals. Additional works must be conducted under an additional project scope.
- The project will have to maintain a workforce of contract and permanent staff through coronavirus to maintain a steady workforce to complete the project.

Sign-Off

The following signatures sign off on the Project Business Case document details above including its objectives and deliverables. This document forms the base for the project proposal and action plan and so any changes to this document must also be reflected in the following documentation.

By signing this document, you agree to the above conditions of the project and its scope. Changes must be signed off by all critical stakeholders below before implementation.

Stakeholder Name: _____ Date: _____

Stakeholder Name: _____ Date: _____

Stakeholder Name: _____ Date: _____

Stakeholder Name: _____ Date: _____

Stakeholder Name: _____ Date: _____

Stakeholder Name: _____ Date: _____

Project Manager: _____ Date: _____