# Introduction:

## 1.1 Purpose of Test Plan:

To verify the functionality, usability, and performance of the <https://webo.dev/dallcon-new/> website.

## 1.2:Scope of Testing effort

To test the core functionality of the website including navigation, content, forms, links, and mobile responsiveness.

## 1.3: Overview of Website:

<https://webo.dev/dallcon-new/> is a Dallcon website that has been manufacturing and supplying precast and custom concrete products to the Western Australian civil, mining and agricultural industries since 2000.

# Testing Approach:

## 2.1 Types of testing:

Functional testing, usability testing, performance testing, and compatibility testing.

## 2.2 Testing methods:

Manual testing and automated testing.

## 2.3 Testing tools and technologies:

Selenium WebDriver, JMeter, and BrowserStack.

# Testing Environment:

## 3.1 Hardware requirements:

Desktop computer or laptop with internet connectivity and a web browser.

## 3.2 Software requirements:

Latest version of Google Chrome, Mozilla Firefox, and Microsoft Edge.

## 3.3 Testing environment:

Test environment simulating production environment.

# Test Cases:

Verify that all links and buttons on the website are working as expected.

Verify that all pages are accessible and have proper navigation.

Verify that the website is mobile responsive and displays correctly on all devices.

Verify that the contact form is working and submissions are received.

Verify that the website is compatible with the latest versions of the major web browsers.

# Test Schedule:

## 5.1: Timelines and milestones for testing:

Test plan execution should start on the mentioned date (i.e March 27th 2023), and be completed by the mentioned date (i.e April 5th, 2023).

## 5.2: Resources required for testing:

One tester, one test environment, and one developer for bug fixes.

# Test Metrics:

## 6.1: Metrics for measuring the success of the testing effort:

Test case pass/fail rate, test coverage, and bug report analysis.

## 6.2: Key performance indicators (KPIs) for the testing process:

Time taken to execute test cases, defect detection rate, and defect resolution time.

# Test Deliverables:

Test plans, test cases, test reports, and defect reports.

## 7.1: Format and structure of the deliverables:

A spreadsheet to track and report test results.

# Risks and Assumptions:

## 8.1: Risks and assumptions associated with the testing effort:

Unexpected website behavior, incorrect data input, test environment failure, and project delays.

## 8.2: Risk mitigation strategies:

Have a contingency plan for unexpected website behavior, validate input data, have a backup test environment, and communicate progress to stakeholders to avoid project delays.

# Test Execution:

## 9.1: Test execution process:

Execute test cases manually and using automation tools.

## 9.2: Defect reporting and tracking process:

Report defects found during testing in the test report and track them until they are fixed.

## 9.3: Escalation and resolution process:

Escalate critical issues to the project manager, developer, or senior tester for resolution.

# Test Completion Criteria:

## 10.1: Criteria for determining when testing is complete:

All test cases have been executed and passed, defects have been resolved and retested, and stakeholders have given sign-off.

# Sign-Off and Approval:

Sign-off and approval from all stakeholders, including the project manager, development team, and testing team.