

# **Alice Springs Town Council**

## **Proposed**

### **Widening of Ilparpa Road Alice Springs**

### **Project Management Plan**

Version 1.1

29-1-2016

**Subject** - Project Management Plan for the Alice Springs Town Council (*The proposed widening of Ilparpa road Alice Springs*)

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**Date** – 29/1/2016

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### ***Purpose***

- The purpose of this project is to increase width of Ilparpa Road to include a dedicated bicycle lane to improve traffic safety and to upgrade a major bypass for Alice Springs

### ***Project Structure***

Alice Springs Town Council –

- Overseeing the contracts and payments
- Prepare Tender process
- Assessment of Tenders as per Council Procurement Directive and Local Government Act.
- Report to Australian Government as required
- Public consultation
- Promotion of the project on the Council website

Consultant Engineers

- Prepare Scope of works
- Assist with the Tender Process
- Prepare Design Drawings
- Project manage whole of project
- Prepare as Constructed Drawings

## **Proposed Ilparpa Road widening Alice Springs**

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### ***Communication Plan Promotion of Grant funding***

Promotion of the project will be done

- Council Website
- Council News Letter
- Newspaper adverts
- Radio
- Public Library
- Alice Spring RSL
- Regional Government Authorities

## Proposed Ilparpa Road widening Alice Springs

### Cost of project

No	DESCRIPTION	QTY	stage 1 of the project (Ilparpa road from Len Kittle Drive to Greatorex road) 4.4km
	ILPARPA ROAD SEAL WIDENING AND SINGLE CYCLEPATH ON 12.5M FORMATION ESTIMATE 11.4km of road		0.385964912
1	Provision for Traffic		4.4
1.01	Traffic Management Plan	1	
1.02	Provision for traffic	1	
1.03	Demolition of Concrete Margins	1	
			\$17,947.37
2	Earthworks		
2.01	Preparation and maintenance of subgrade layer	79255	
2.02	Earthworks in Cut (boxing out)	10000	
2.03	Earthworks in Fill	12600	
			\$153,832.11
3	Conformance Testing		
3.01	Compaction Tests (SubGrade and Gravel base)	1	
			\$3,859.65
4	Pavements and Shoulders		
4.01	Gravel Base		
a)	150mm compacted thickness	76755	
4.02	Cement Stabilised Pavement	2500	
			\$631,091.23
5	Spray Sealing		
5.01	Preparation of Pavement	8570	
5.02	Prime Coat	8570	
5.03	First Seal Coat(10mm @ 1.3L/m2)	11200	
5.04	Supply and Application of Aggregate		
a)	10mm aggregate	8570	
5.05	Precoat	575	
			\$49,074.47
6	Asphalt		
6.01	Preparation of Pavement	58275	
6.02	Prime Coat	58275	
6.03	Asphalt	58275	
			\$978,406.58
7	Drainage and Protection Works		
7.01	Reinforced Concrete Pipes		
a)	600mm diameter single cell	7.32	
b)	450mm diameter twin cell	7.32	
c)	600mm diameter twin cell	4.88	
d)	600mm diameter triple cell	2.44	
e)	Endwalls single cell 600mm Dia	3	
f)	Endwalls twin cell 450mm Dia	2	
g)	Endwalls twin cell 600mm Dia	1	
h)	Endwalls three cell 600mm Dia	2	
7.02	Reinforced Concrete Box Culverts		
a)	600mm x 900mm single cell	3.68	
b)	450mm x 750mm twin cell	3.68	
c)	600mm x 1200mm twin cell	3.68	
d)	750mm x 600mm and 600mm x 500mm twin Cell	2.46	
e)	Endwalls single cell 600mm x 900mm	2	
f)	Endwalls twin cell 450mm x 750mm	2	
g)	Endwalls twin cell 600mm x 1200mm	1	
h)	Endwalls twin cell 750mm x 600mm and 600mm x 500	1	
7.03	Concrete Margins	640	
7.04	Reno Mattress	174	
			\$79,483.30
8	Road Furniture and Traffic Control Devices		
8.01	signs	1	
8.02	Linemarking	1	
8.03	Relocation of Power poles	1	
			\$96,491.23
			\$2,010,185.93

## **Proposed Ilparpa Road widening Alice Springs**

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### ***Project Milestones, Implementation of plan and Project Methodology***

**Refer to attached MS project chart**

### ***Reporting***

Project status and variations will be done with regular meetings with Council and the project manager

Project milestones will be done by Council to Australian Government as required by the conditions of the Grant

### ***Details of planning / environmental approvals***

This project does not require any environmental approvals,

All engineering works will be certified by the Engineers - self certifying. E.g. Civil

### ***Project Monitoring and evaluation***

This will be done by the Alice Springs Town Council

# **Alice Springs Town Council**

## **Proposed**

# **Widening of Ilparpa Road Alice Springs**

## **Risk Management Plan**

Version 1.1

29-1-2016

## 1.1. Risk Management Approach

The overall risk management approach follows the standard risk management model as show in the following diagram.



## 1.2. Revision History

Revision	Author	Date	Comments
1.1	Stephen Baloban	29/1/2016	Nil

### 1.3. Risk Probability Definitions

Probability Category	Probability	Description
Very High	65%-100%	Risk event expected to occur
Medium	35%-65%	Risk event may or may not occur
Low	0%- 35%	Risk event not expected to occur

Table 1 – Risk Probability Definitions

### 1.4. Risk Impact Definitions.

Project Objective	Very Low 0.05	Low 0.10	Moderate 0.20	High 0.40	Very High 0.80
Cost	Insignificant cost impact	< 10% cost impact	10-20% cost impact	20-40% cost impact	> 40% cost impact
Schedule	Insignificant schedule impact	< 5% schedule impact	5-10% schedule impact	10-20% schedule impact	> 20% schedule impact
Scope	Barely noticeable	Minor areas impacted	Major areas impacted	Changes unacceptable to sponsor	Product becomes effectively useless
Quality	Barely noticeable	Only very demanding applications impacted	Sponsor must approve quality reduction	Quality reduction unacceptable to sponsor	Product becomes effectively useless

Table 2 – Definition of Risk Impact Scales

### Risk Probability and Impact Matrix

Probability/Impact	Very low	Low	Moderate	High	Very high
High	0.05	0.09	0.18	0.36	0.72
Medium	0.03	0.05	0.1	0.2	0.4
Low	0.01	0.01	0.02	0.04	0.08

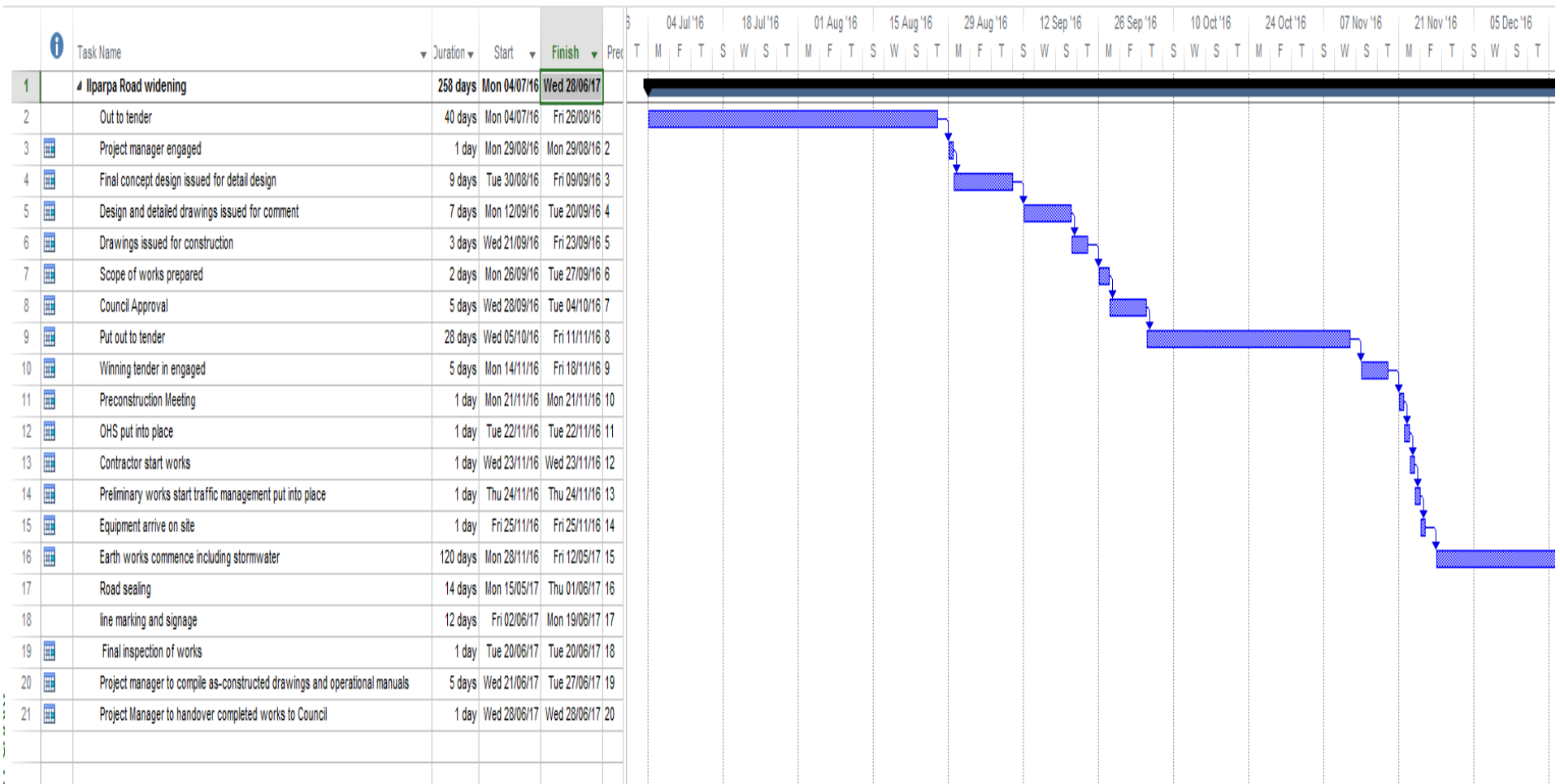
Table 3 – Risk Probability and Impact Matrix



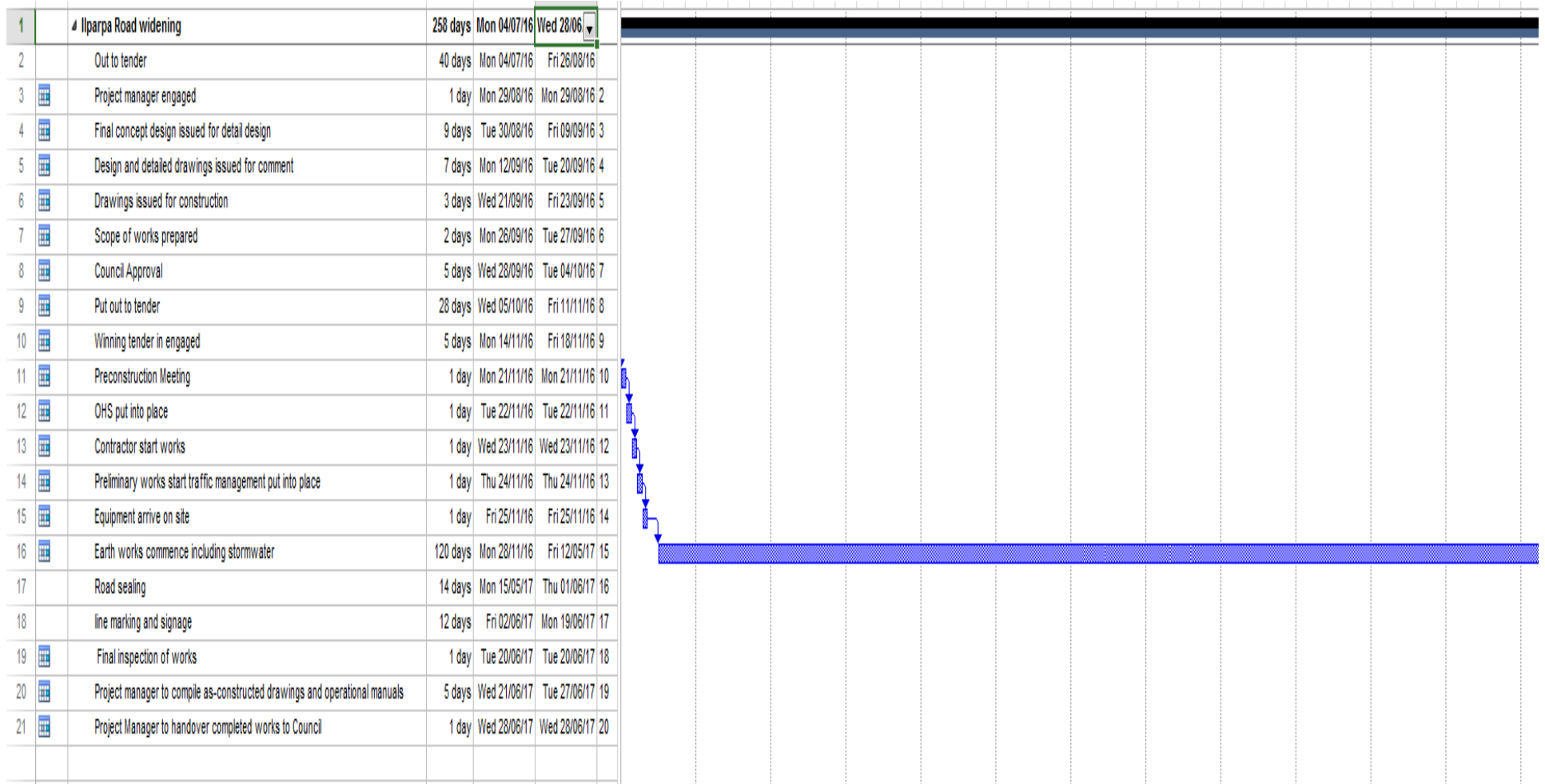
# Proposed Iparpa Road widening Alice Springs

Proposed widening of Iparpa Road Alice Springs											
PROJECT RISK ASSESSMENT											
IDENTIFICATION		QUANTIFICATION									MITIGATION
DESCRIPTION OF RISK EVENT	RISK LEVEL	PROBABILITY (%)			THREATS (0.0)				Risk prob & Impact Matrix		
	H/M/L	Low 0-35%	Medium 35%- 65%	High 65%-100%	Cost	Schedule	Scope	Quality	CONSEQUENCES	SOLUTIONS	COMMENTS
Delay with design	L	5%			Very low 0.10	Med 0.15	Very low 0.10	Very low 0.10	Delay in project	Ensure design work is on time	find a reputable design company with experience and resources
Delay Material	L	10%			Very low 0.10	Med 0.15	Very low 0.10	Very low 0.10	Delay in works if less than a few days not critical	Place order for material as early as possible	have a alternative supplier
Weather	L	10%			Very low 0.10	Med 0.15	Very low 0.10	Very low 0.10	Delay in works	Supply extra Council staff if required	Give contractor extra help as required
Resources	L	5%			Very low 0.10	Low 0.05	Very low 0.10	Very low 0.10	Delay in completion of works	Use alternative workforce	Use Council work force if required

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