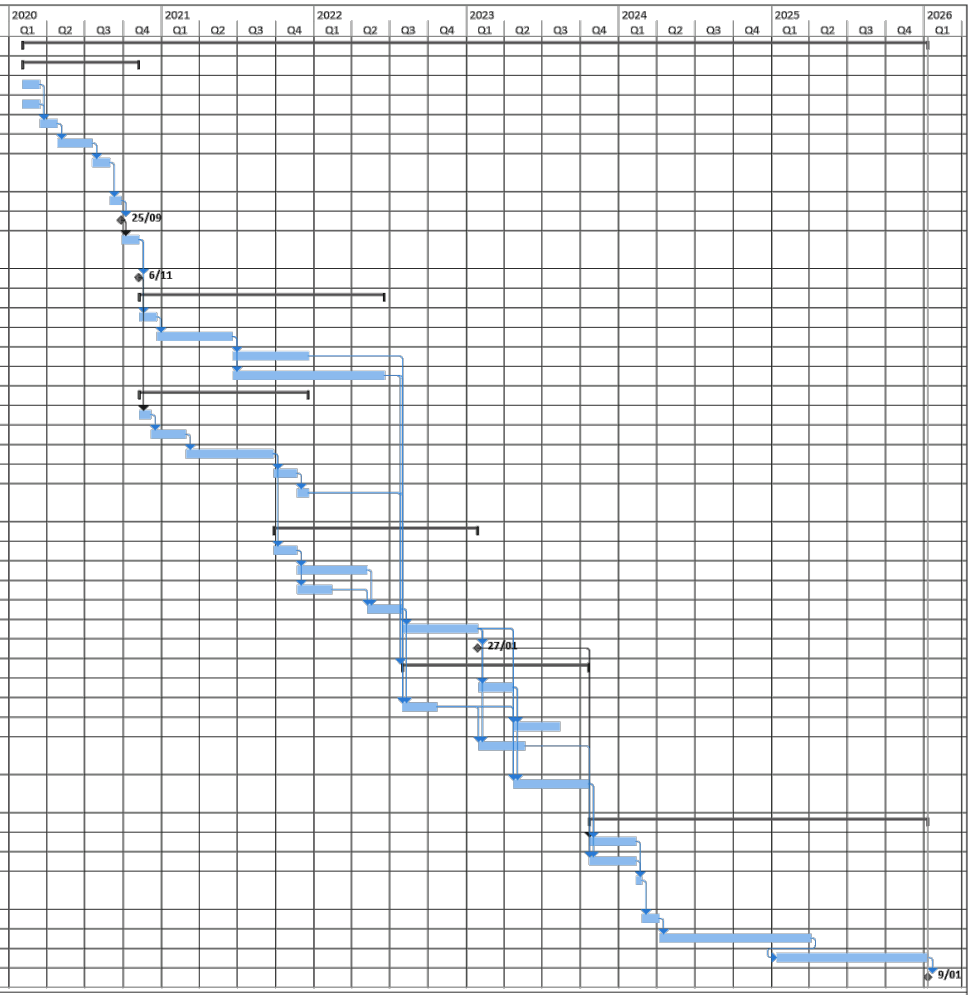
10.2 Western Arterial Bypass - Analysis of Route Options.DOC

ID	Task Mode	Task Name	Duration	Start	Finish	Predecessors
1		**Western Arterial Project**	**310 wk**	**Mon 3/02/20**	**Fri 9/01/26**	
2		**Route & Scope Definition**	**40 wks**	**Mon 3/02/20**	**Fri 6/11/20**	
3		Tendering detailed survey	6 wks	Mon 3/02/20	Fri 13/03/20	
4		Consultation with landowners on route	6 wks	Mon 3/02/20	Fri 13/03/20	
5		Detailed survey route corridor envelop	6 wks	Mon 16/03/20	Fri 24/04/20	3,4
6		Design route centreline options	12 wks	Mon 27/04/20	Fri 17/07/20	5
7		Preliminary geotechnical investigation of route options	6 wks	Mon 20/07/20	Fri 28/08/20	6
8		Analysis of route centreline options	4 wks	Mon 31/08/20	Fri 25/09/20	7
9		Select preferred route centreline	0 wks	Fri 25/09/20	Fri 25/09/20	8
10		Preliminary design to identify corridor land acquisition & project scope	6 wks	Mon 28/09/20	Fri 6/11/20	9
11		Adopt defined project route and scope	0 wks	Fri 6/11/20	Fri 6/11/20	10
12		**Property acquisition**	**84 wks**	**Mon 9/11/20**	**Fri 17/06/22**	
13		Obtain property valuations	6 wks	Mon 9/11/20	Fri 18/12/20	10
14		Negotations with landowners	26 wks	Mon 21/12/20	Fri 18/06/21	13
15		Voluntary land acquisition	26 wks	Mon 21/06/21	Fri 17/12/21	14
16		Compulsory land acquisitions	52 wks	Mon 21/06/21	Fri 17/06/22	14
17		**Concept Design**	**58 wks**	**Mon 9/11/20**	**Fri 17/12/21**	
18		Concept design tender documentation	4 wks	Mon 9/11/20	Fri 4/12/20	11
19		Tendering for Consultant	12 wks	Mon 7/12/20	Fri 26/02/21	18
20		Concept design, staging & estimate	30 wks	Mon 1/03/21	Fri 24/09/21	19
21		Concept public consultation	8 wks	Mon 27/09/21	Fri 19/11/21	20
22		Council approval concept design, staging & budget	4 wks	Mon 22/11/21	Fri 17/12/21	21
23		**Planning application & approval**	**70 wks**	**Mon 27/09/21**	**Fri 27/01/23**	
24		Tendering planning consultant	8 wks	Mon 27/09/21	Fri 19/11/21	20
25		Environmental studies	24 wks	Mon 22/11/21	Fri 6/05/22	24
26		Flooding study	12 wks	Mon 22/11/21	Fri 11/02/22	24
27		Prepare planning application	12 wks	Mon 9/05/22	Fri 29/07/22	25,26
28		Planning assessment	26 wks	Mon 1/08/22	Fri 27/01/23	27
29		Planning approval	0 wks	Fri 27/01/23	Fri 27/01/23	28
30		**Detailed Design**	**64 wks**	**Mon 1/08/22**	**Fri 20/10/23**	**22,16**
31		Geotechnical investigations, detailed	12 wks	Mon 30/01/23	Fri 21/04/23	28
32		Tendering design consultant	12 wks	Mon 1/08/22	Fri 21/10/22	22,16,15,27
33		Detailed design roadworks	16 wks	Mon 24/04/23	Fri 11/08/23	32,28,31
34		Detailed design and RMS approval signalised intersection River St	16 wks	Mon 30/01/23	Fri 19/05/23	32,28
35		Detailed design,Fishery Ck bridge & approaches	26 wks	Mon 24/04/23	Fri 20/10/23	32,28,31
36		**Construction**	**116 wk**	**Mon 23/10/23**	**Fri 9/01/26**	
37		Tendering bridge	16 wks	Mon 23/10/23	Fri 9/02/24	35,29
38		Tendering roadworks	16 wks	Mon 23/10/23	Fri 9/02/24	35,29,34
39		Detailed preconstruction estimate, update budget	2 wks	Mon 12/02/24	Fri 23/02/24	37,38
40		Report to Council, approval to constru	6 wks	Mon 26/02/24	Fri 5/04/24	39
41		Bridge construction contract	52 wks	Mon 8/04/24	Fri 4/04/25	40
42		Roadworks contract	52 wks	Mon 13/01/25	Fri 9/01/26	41FS-12 wks
43		Complete Western Arterial Project	0 wks	Fri 9/01/26	Fri 9/01/26	42



Project: Western Arterial 2Oct19
Date: Wed 6/11/19

Task | Split | Milestone | Summary | Project Summary | External Tasks | External Milestone | Inactive Task | Inactive Milestone | Inactive Summary | Manual Task | Duration-only | Manual Summary Rollup | Manual Summary | Start-only | Finish-only | Deadline | Progress | Manual Progress

Page 1

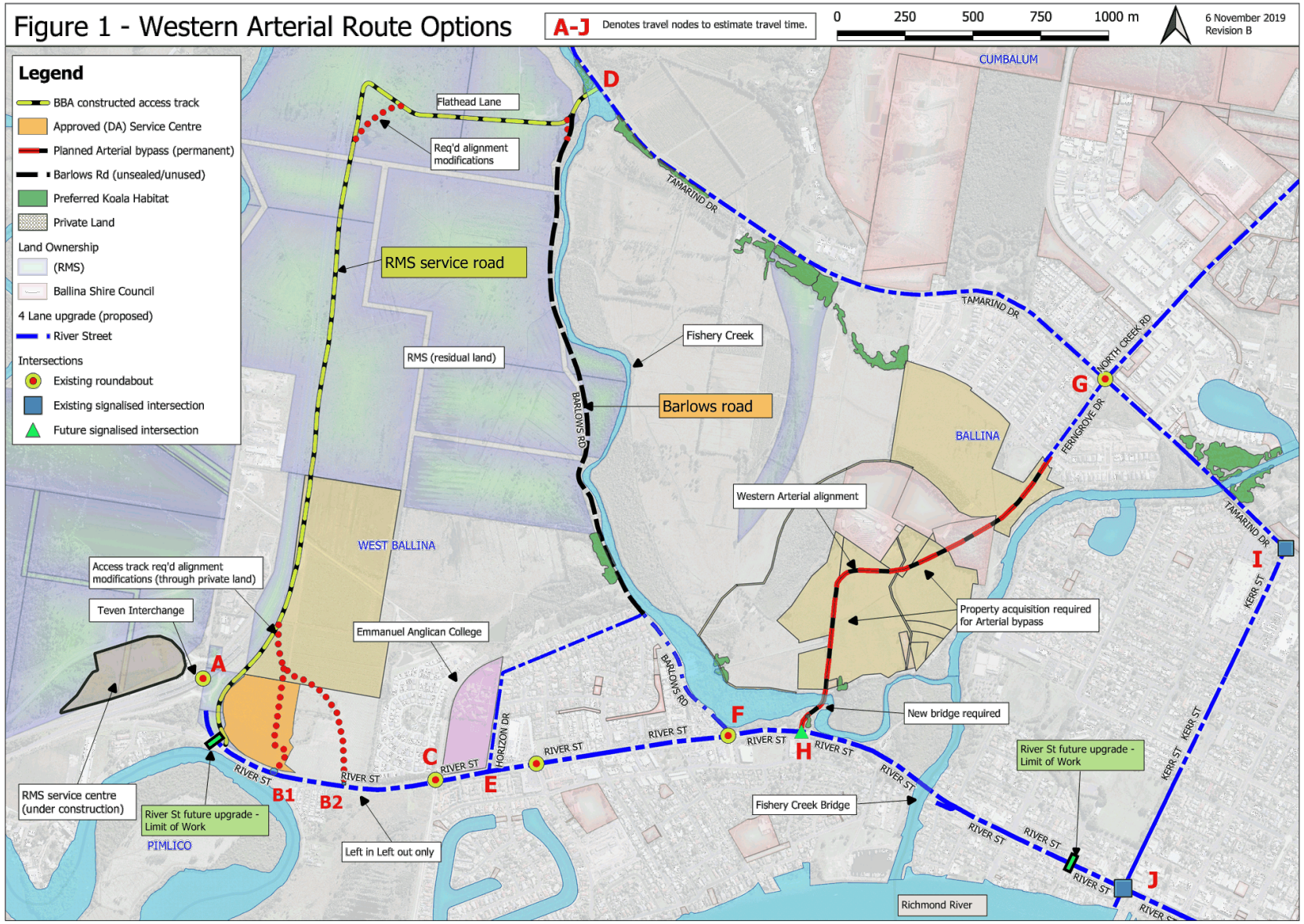


Figure 1 - Western Arterial Route Options
A-J Denotes travel nodes to estimate travel time.
0 250 500 750 1000 m
6 November 2019
Revision B
Legend
BBA constructed access track
Approved (DA) Service Centre
Planned Arterial bypass (permanent)
Barlows Rd (unsealed/unused)
Preferred Koala Habitat
Private Land
Land Ownership
(RMS)
Ballina Shire Council
4 Lane upgrade (proposed)
River Street
Intersections
Existing roundabout
Existing signalised intersection
Future signalised intersection
Flathead Lane
Req'd alignment modifications
RMS service road
RMS (residual land)
Fishery Creek
Barlows road
Western Arterial alignment
Property acquisition required for Arterial bypass
New bridge required
Fishery Creek Bridge
River St future upgrade - Limit of Work
Access track req'd alignment modifications (through private land)
Teven Interchange
Emmanuel Anglican College
RMS service centre (under construction)
River St future upgrade - Limit of Work
Left in Left out only
Richmond River
CUMBALUM
BALLINA
WEST BALLINA
PIMLICO
TAMARIND DR
NORTH CREEK RD
FERNGROVE DR
BARLOWS RD
HORIZON DR
RIVER ST
KERR ST
A
B1
B2
C
D
E
F
G
H
I
J