



MEMO

TO: WSNF Steering Committee

FROM: Garrick Yandle – WSNF Project Technical Director

DATE: January 2021

SUBJECT: WSNF Stage 2 Priority Route Commentary

Revised MCA Overview

The following provides an overview of the WSNF Stage 2 Priority Route Funding. This takes into account routes being funded via Stage 1A and Stage 1B relative to total available funding, as well as the Revised MCA Technical Report (Infralink, June 2020).

Funding

The following funding and various sources has been approved for WSNF for capital works as follows:

WSFN	Stage 1	Stage 2	Total
Funding	\$87.5M	\$100M	\$187.5M
Federal (ROSI)	\$70M	\$80M	\$150M
State	\$11.7M	\$13.3M	\$25M
LG	\$5.8M	\$6.7M	\$12.5M
Date	May 2019	October 2020	

Projects for Stage 1 have been funded to a total of \$120M as follows to be delivered via 5-Year Delivery Plan 2020/21 – 2024/24.

Route	Indicative Value	Budget
1. Lancelin to Meckering	\$ 27,000,000	19/20 Project Development Process
2. Dumbleyung to Nyabing	\$ 5,000,000	Initial 17/18 information
3. Cuballing to Wickepin	\$ 3,000,000	Initial 17/18 information
4. Dowerin to Dalwallinu	\$ 21,000,000	Initial 17/18 information
5. Merredin to Kondinin	\$ 14,000,000	Initial 17/18 information and 19/20 Project Development Process
6. Jurien Bay to Dalwallinu	\$ 26,000,000	19/20 Project Development Process
7. Corrigin to Katanning	\$ 14,000,000	Initial 17/18 information
STAGE 1 TOTAL	\$ 110,000,000	

This leaves approximately \$60M available for Stage 2 up to a cumulative total of \$180M with contingency and Project Development of \$7.5M.



Route Priority Ranking

Following the identification of Stage 1 routes, further interrogation of the MCA Priority Route listing was undertaken by the Technical Committee. This included investigation and clarification of eligibility of specific routes. Liaison was also undertaken with relevant LGs to rationalise specific routes.

An updated MCA Priority Route listing is shown in the table below. It should be noted that routes that currently have unsealed sections were action not considered by funding for Stage 2. Hence their priority ranking will become 3 or lower.

MCA Results Summary Table																
Category		Utilisation				Condition						Total Score	Rank	Priority Level	Cost Estimate	Cumulative Cost Estimate
Criterion		Ave. ESA		Ave. ADT		Underwidth		KSI/1000km		TSD > 500						
Weight		35%		15%		25%		15%		10%						
Route #	Route Name	Value	Score	Value	Score	Value	Score	Value	Score	Value	Score					
8	Lancelin to Meckering Route - Aglime Route 2	478	5	250	5	48%	3	3.5	3	16%	3	4.00	1	Priority 1	\$ 26,275,956	\$ 26,275,956
48	Dumbleyung to Nyabing Route	108	5	106	3	95%	5	0.0	1	22%	4	4.00	2	Priority 1	\$ 3,874,381	\$ 30,150,337
1	Jurien Bay to Dalwallinu Route- AG Lime Route 4	143	5	124	4	43%	3	0.0	1	7%	2	3.45	3	Priority 2	\$ 25,575,010	\$ 55,725,347
37	Cuballing to Wickpin Route	134	5	115	3	45%	3	9.4	5	11%	2	3.90	4	Priority 1	\$ 4,811,219	\$ 60,536,566
5	Dowerin to Dalwallinu Route	173	5	179	5	42%	3	0.0	1	20%	4	3.80	5	Priority 1	\$ 25,056,831	\$ 85,593,397
17	Merredin to Kondinin Route	96	4	161	5	25%	2	5.1	4	20%	4	3.65	6	Priority 1	\$ 15,297,910	\$ 100,891,307
28	Corrigin to Katanning Route	89	4	120	4	42%	3	5.4	4	18%	3	3.65	7	Priority 1	\$ 16,353,649	\$ 117,244,956
31	Narrogin to North Bannister Route	110	5	434	5	45%	3	14.6	5	10%	2	4.20	8	Priority 2	\$ 11,576,680	\$ 128,821,636
3	Regans Ford to Miling Route	132	5	213	5	15%	2	8.1	5	12%	2	3.95	9	Priority 2	\$ 7,398,500	\$ 136,220,136
7	Nungarin to Wialki Route	193	5	149	4	13%	2	0.0	1	30%	5	3.50	10	Priority 2	\$ 3,103,900	\$ 139,324,036
21	Dangin to Kweda Route	86	4	92	3	61%	4	0.0	1	34%	5	3.50	11	Priority 2	\$ 3,352,000	\$ 142,676,036
9	Cunderdin to Koorda Route	65	3	98	3	63%	4	1.8	2	29%	5	3.30	12	Priority 2	\$ 13,246,200	\$ 155,922,236
12	Gingin to Northam Route	56	3	252	5	26%	2	7.5	5	6%	2	3.25	13	Priority 2	\$ 11,806,000	\$ 167,728,236
49	Kukerin to Albany Route	122	5	104	3	21%	2	0.0	1	21%	4	3.25	14	Priority 2	\$ 3,364,050	\$ 171,092,286
22	Corrigin to Bruce Rock Route	63	3	141	4	11%	2	9.6	5	15%	3	3.20	15	Priority 2	\$ 1,322,000	\$ 172,414,286
45	Collie to Changerup Route	92	4	128	4	15%	2	5.5	4	6%	1	3.20	16	Priority 2	\$ 4,189,700	\$ 176,603,986
52	Northam town access from Great Eastern Highway	503	5	1277	5	0%	1	0.0	1	0%	3	3.20	17	Priority 2	\$ 1,001,850	\$ 177,605,836
26	Wandering to Aldersyde Route	60	3	235	5	33%	3	0.0	1	12%	3	3.00	18	Priority 2	\$ 6,668,800	\$ 184,274,636
30	Hyden to Noresman Route	86	4	161	5	100%	5	7.4	5	14%	3	4.45	19	Priority 3	\$ 18,240,000	\$ 202,514,636
43	Wagin to Albany Highway Route	78	4	385	5	66%	4	4.2	3	24%	5	4.10	20	Priority 3	\$ 7,550,000	\$ 210,064,636
11	Indian Ocean Drive to Brand Highway Route - Aglime Route 1	916	5	1142	5	0%	1	41.2	5	11%	2	3.70	21	Priority 3	\$ 1,012,800	\$ 211,077,436
10	Warralakin to Burracoppin Route	146	5	119	3	0%	1	0.0	1	28%	5	3.10	22	Priority 3	\$ 5,260,800	\$ 216,338,236
46	Darkan to Moodiarrup Route	68	3	132	4	51%	3	4.5	3	10%	2	3.05	23	Priority 3	\$ 2,447,950	\$ 218,786,186
4	Wongan Hills to Bullfinch Route	89	4	98	3	23%	2	1.5	2	20%	4	3.05	24	Priority 3	\$ 24,430,400	\$ 243,216,586
42	Williams to Darkan Route	63	3	162	5	0%	1	11.3	5	10%	2	3.00	25	Priority 3	\$ 6,602,500	\$ 249,819,086
39	Harrismith to Kuender Route	54	3	90	3	50%	3	4.0	3	8%	2	2.90	26	Priority 3	\$ 10,327,500	\$ 260,146,586
13	Cunderdin to Quairading Route	86	4	92	3	25%	2	0.0	1	17%	3	2.80	27	Priority 3	\$ 4,070,000	\$ 264,216,586
29	Hyden to Woolocutty Route	25	2	86	3	87%	5	0.0	1	10%	2	2.75	28	Priority 3	\$ 4,800,000	\$ 269,016,586



44	Wagin to Wickepin Route	53	3	46	2	47%	3	0.0	1	29%	5	2.75	29	Priority 3	\$ 6,309,700	\$ 275,326,286
23	Corrigin to South Kumminin Route	96	4	68	2	8%	2	0.0	1	16%	3	2.65	30	Priority 3	\$ 1,402,570	\$ 276,728,856
34	Karlgarin to Lake Grace Route	49	2	79	2	74%	4	0.0	1	31%	5	2.65	31	Priority 3	\$ 8,651,950	\$ 285,380,806
6	Kellerberrin to Beacon Route	46	2	99	3	6%	2	3.2	3	19%	4	2.50	32	Priority 4	\$ 4,818,045	\$ 290,198,851
51	Newdegate to Dunn Rock Route	18	1	28	1	98%	5	3.2	3	0%	3*	2.50	33	Priority 4	\$ 12,978,000	\$ 303,176,851
15	Kellerberrin to Babakin Route	48	2	46	2	46%	3	2.7	2	18%	4	2.45	34	Priority 4	\$ 12,023,036	\$ 315,199,887
35	Hyden to Newdegate (Western) Route	41	2	41	2	66%	4	0.0	1	0%	3*	2.45	35	Priority 4	\$ 10,120,600	\$ 325,320,487
38	Kulin to Holt Rock Route	22	1	51	2	88%	5	0.0	1	21%	4	2.45	36	Priority 4	\$ 14,172,500	\$ 339,492,987
41	Narrogin to Harrismith Route	20	1	105	3	77%	4	4.3	3	10%	2	2.45	37	Priority 4	\$ 7,401,000	\$ 346,893,987
27	Bulyee to Tincurrin Route	27	2	23	1	41%	3	6.6	4	11%	2	2.40	38	Priority 4	\$ 9,576,720	\$ 356,470,707
50	Newdegate to Jacup Route	50	2	36	1	65%	4	0.0	1	21%	4	2.40	39	Priority 4	\$ 7,657,800	\$ 364,128,507
53	Corrigin to Hyden Route (via Bending)	36	2	4	1	121%	5	0.0	1	0%	1	2.35	40	Priority 4	\$ 23,230,000	\$ 387,358,507
16	Doodlakine to Hyden Route	31	2	80	2	35%	3	2.3	2	14%	3	2.35	41	Priority 4	\$ 18,186,610	\$ 405,545,117
18	Bruce Rock to Moorine Rock Route	53	3	43	2	40%	3	0.0	1	6%	1	2.35	42	Priority 4	\$ 15,708,500	\$ 421,253,617
32	Pingelly to Wickepin Route	35	2	158	4	13%	2	3.0	2	11%	2	2.30	43	Priority 5	\$ 7,764,000	\$ 429,017,617
2	Burakin to Wialki Route	44	2	62	2	41%	3	0.0	1	15%	3	2.20	44	Priority 5	\$ 7,358,000	\$ 436,375,617
47	Boyup Brook to Arthur River Route	52	3	115	3	0%	1	0.0	1	17%	3	2.20	45	Priority 5	\$ 1,651,400	\$ 438,027,017
40	Kulin to Tarin Rock Route	16	1	29	1	67%	4	0.0	1	31%	5	2.15	46	Priority 5	\$ 6,059,000	\$ 444,086,017
19	Bruce Rock to Wogarl Route	40	2	28	1	14%	2	0.0	1	25%	5	2.00	47	Priority 5	\$ 2,274,000	\$ 446,360,017
33	Wickepin to Corrigin Route	39	2	97	3	9%	2	0.0	1	8%	2	2.00	48	Priority 5	\$ 508,000	\$ 446,868,017
36	Hyden to Newdegate (Eastern) Route	21	1	39	1	51%	3	0.0	1	27%	5	1.90	49	Priority 5	\$ 13,035,700	\$ 459,903,717
14	Kellerberrin to Yoting Route	0	1	0	1	9%	2	0.0	1	15%	3	1.45	50	Priority 5	\$ 1,156,005	\$ 461,059,722
20	Beverley to Corrigin Route	0	1	0	1	49%	3	4.5	3	17%	3	2.00	51	Rationalised	\$ 3,057,500	\$ 464,117,222
25	Bannister to Pingelly Route	25	2	146	4	63%	4	0.0	1	20%	4	2.85	52	Rationalised	\$ 16,104,000	\$ 480,221,222
24	York to Williams Route	26	2	61	2	56%	4	8.9	5	19%	4	3.15	53	Rationalised	\$ 13,804,175	\$ 494,025,397

* TSD data was unavailable for noted routes, therefore routes were given a median score of 3

Significant unsealed portions



Stage 2- Nominal Priority Routes

The following routes and their specific and relevant LGs are identified as the Stage 2 Nominal Priority Routes following on from the 7 Stage 1 Priority Routes.

8. Narrogin to North Bannister Route
9. Regans Ford to Miling Route
10. Nungarin to Wialki Route
11. Dangin to Kweda Route
12. Cunderdin to Koorda Route
13. Gingin to Northam Route
14. Kukerin to Albany Route
15. Corrigin to Bruce Rock Route
16. Collie to Changerup Route
17. Northam town access from Great Eastern Highway
18. Wandering to Aldersyde Route

It is recommended that the WSFN Project Manager work with these relevant LGs to ground truth their data and identify sections along the routes that require upgrading. From this the PM and the LGs will develop a detailed scope and budget for each LG to upgrade their specific roads on the Priority 2 routes. Once this data is collected and a comprehensive detailed budget developed the Technical Committee will make a recommendation for specific Stage 2 Priority Route Funding.

The Stage 2 Nominal Priority Routes, relevant LGs and specific roads are:

Route	LG	Roads
Narrogin to North Bannister	Narrogin	Lefroy Street Clayton Road Narrakine Road Wandering – Narrogin Road
	Cuballing	Wandering Narrogin Road
	Wandering	Wandering – Narrogin Road Wandering – Pingelly Road North Bannister – Wandering Road
Regans Ford to Miling	Dandaragan	Dandaragan Road Rowes Road Dandaragan Road
	Moora	Moora – Caro Road Dandaragan Street Gardiner Street Berkshire Valley Road Moora – Miling Road
Nungarin to Wialki	Nungarin	Nungarin North Road
	Mukinbudin	Nungarin North Road MacGregor Road Strugnell Street Mukinbudin – Wialki Road
Dangin to Kweda	Quairading	Dangin – Mears Road
	Brookton	Dangin – Mears Road
Cunderdin to Koorda	Cunderdin	Baxter Road Dunlop Street

		Cunderdin – Wyalkatchem Road
	Wyalkatchem	Cunderdin – Wyalkatchem Road Railway Terrace Town Access Road Honour Avenue Wyalkatchem - Koorda Road
	Koorda	Wyalkatchem - Koorda Road Aitken Road Railway Street
Gingin to Northam	Gingin	Moolianeenee Road
	Chittering	Dewars Pool - Bindoon Road
	Toodyay	Dewars Pool - Bindoon Rd Toodyay - Bindi Bindi Rd
Kukerin to Albany	Dumbleyung	Kukerin South Road Adams Road
Corrigin to Bruce Rock	Corrigin	Corrigin – Bruce Rock Road
	Bruce Rock	Corrigin – Bruce Rock Road
Collie to Changerup	West Arthur	Bowelling - Duranillin Road Moodiarrup - Changerup Road
Northam Town Access	Northam	Yilgarn Avenue
Wandering to Aldersyde	Wandering	Wandering – Pingelly Road
	Pingelly	North Bannister - Pingelly Rd Park Street Review Street Aldersyde - Pingelly Rd
	Brookton	Aldersyde - Pingelly Rd Aldersyde North Rd

From this a 5-Year Delivery Plan for Stage 2 will be developed for these respective routes by Technical Committee in conjunction with the relevant LGs.

Route Commentary

Various routes have been reviewed by the Technical Committee and subsequently the Steering Committee. The following outcomes have been agreed as of 8th February 2021.

Quairading to Corrigin

- This was on the original list of routes agreed by WS, but it was never included on the map or dataset.
- Incorporate with Cunderdin to Quairading route to be a new route Cunderdin to Corrigin
- Incorporate updated data into MCA
 - Potentially fund this route via Stage 2 as it would also connect to Corrigin to Katanning route.

Beverley - Corrigin Route

- Consisted of the following roads
 - Morbinning Road / Old Beverley Road (from Beverley townsite to Quairading – Corrigin Road)



- This road is partially sealed from some length, but remains unsealed for a significant portion.
- It is not really a Regional Distributor route, but more of a short-cut, or Local Distributor.
- What would be a more relevant Regional Freight Route in-line with WSFN ideology are the following roads:
 - Westdale Road (Westdale to Beverley)
 - Mawson Road (Beverley to Mawson)
- Joins Brookton Highway west of Brookton to Quairading-York Road west of Quairading
 - This is actually more reflective of “Dale to Mawson” Route.

Steering Committee liaised with Shire of Beverley requesting the removal of the Beverley - Corrigin Route, and its respective roads, from the WSFN route list, and

- An alternative route named “Dale to Mawson” Route consisting of the following roads be added to WSFN.
 - Westdale Road (Westdale to Beverley)
 - Mawson Road (Beverley to Mawson)

Meeting held with Shire’s of Beverley, Brookton, Cuballing, Narrogin, Pingelly and Wandering to discuss rationalisation of routes within this area. Specifically, the rationalisation of 4 routes into 2 routes as follows:

- Narrogin to North Bannister
 - Remains
- Wandering to Aldersyde (via Wandering-Pingelly and North Bannister-Pingelly Roads)
 - Remains
- York to Williams
 - Removed
- Bannister to Pingelly (via North Wandering Road)
 - Removed