

Friday 6 June, 2025

Sara O'Connor
Executive Director, Regulation

Sent via email: [REDACTED]

CC: [REDACTED]

Sections 47J and 47K Submissions

Dear Sara,

I refer to the *Railways (Access) Code 2000 (Code)*, unless otherwise defined capitalised terms used in this letter have the same meaning as set out in the Code.

In accordance with sections 47J and 47K of the Code and section 2 of the approved Costing Principles, please find attached the following documents:

- Depreciated Optimised Replacement Cost (**DORC**) Report
- Depreciation Schedule
- Level of Service Statement

The attached DORC Report, prepared by Arc's consultant, includes two options for optimisation of the signalling assets which comply with the Code and Costing Principles. Arc submits Alternative A as the DORC for the ERA's consideration.

In addition to the attached DORC Report, for the purpose of formal compliance with the Code and Costing Principles, included in this letter as Appendix A is the DORC for a number of redundant Route Sections. As Arc developed its DORC and worked through a systematic process of associating its detailed Railway Infrastructure data to Route Sections, it determined there was no Railway Infrastructure to assign to these Route Sections.

Similarly, Arc notes the attached documents introduce several new Route Sections not included in the currently approved Costing Principles which were identified through the process outlined above.

Arc is separately submitting an amendment to the Costing Principles to remove the redundant Route Sections and include the new Route Sections.

If you have any queries on the attached please contact the undersigned.

Kind regards



Tim Cooling

Acting General Manager of Commercial and Regulatory

Appendix A

Code Route Number	Code Route Gauge	Code Route Name	Route Section	DORC Value
1	SG	The track between Avon and Kalgoorlie, including the loop and the arrival road adjacent to that track at West Kalgoorlie	Merredin	\$0
			Southern Cross	\$0
3	SG	The track between Kalgoorlie and Leonora	Malcolm	\$0
			Menzies	\$0
5	SG	The track between West Kalgoorlie and Esperance	Esperance	\$0
			Hampton	\$0
10	NG	The track between Kwinana and Mundijong Junction	Kwinana	\$0
11	NG	The track between Mundijong Junction and Picton Junction	Brunswick Junction	\$0
44	DG	The track between Midland and Avon	Toodyay West	\$0

Friday 13 June, 2025



Sara O'Connor
Executive Director, Regulation

Sent via email: [REDACTED]

CC: [REDACTED]

Re: Sections 47J and 47K Submissions

Dear Sara,

I refer to the Railways (Access) Code 2000 (Code), unless otherwise defined capitalised terms used in this letter have the same meaning as set out in the Code.

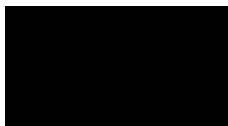
Additional and supplementary to the documents Arc submitted to the ERA on 6 June 2025 (**June 6 Letter**) in accordance with sections 47J and 47K of the Code and section 2 of the approved Costing Principles, please find attached to this letter a **Depreciated Optimised Replacement Cost List** whose costs match those articulated as Alternative A in the previously provided DORC report.

The list has 219 entries for Route Sections (as per the added and removed Route Sections detailed in the June 6 Letter), and provides the DORC to the nearest dollar. For ease of reading the DORC Report had displayed the Route Sections by aggregating some (the CBH Siding items) and only showed the values to the nearest \$0.1m.

In the interest of comprehensiveness and clarity, the Depreciated Optimised Replacement Cost List provides the full detail, as it was not Arc's intent to omit this detail. Arc intends that this list be part of the submission and therefore be published as per the rest of the submission.

If you have any queries on the attached please contact the undersigned.

Kind regards



Tim Cooling
Acting General Manager of Commercial and Regulatory

Depreciated Optimised Replacement Cost List

Date:

13 June 2025

Route Section DORC List

Network Group	Route Section (Code Route Number & Route Name Route Section)	DORC
Metro	45.DG Midland to Kwinana Kwinana West to Kwinana KBT	1,681,312
Metro	45.DG Midland to Kwinana Kwinana North to Kwinana West	2,063,325
Metro	45.DG Midland to Kwinana Kwinana North to Kwinana	5,388,736
Metro	45.DG Midland to Kwinana Cockburn South to Kwinana North	37,410,335
Metro	45.DG Midland to Kwinana Cockburn East to Cockburn South	5,017,274
Metro	46.DG Cockburn North to Cockburn East Cockburn North to Cockburn East	4,732,515
Metro	47.DG Cockburn North to Cockburn South Cockburn North to Cockburn South	6,915,811
Metro	45.DG Midland to Kwinana Kenwick to Cockburn East	157,120,919
Metro	45.DG Midland to Kwinana Forrestfield to Kenwick	30,267,381
Metro	45.DG Midland to Kwinana Forrestfield	50,727,027
Metro	2.SG Forrestfield South to Kewdale Forrestfield South to Kewdale	11,174,589
Metro	45.DG Midland to Kwinana Woodbridge South to Forrestfield	111,642,564
Metro	45.DG Midland to Kwinana Woodbridge West to Woodbridge South	4,233,877
Metro	45.DG Midland to Kwinana Midland to Woodbridge South	28,692,964
EGR	44.DG Midland to Avon Midland to Millendon Junction	161,418,119
EGR	44.DG Midland to Avon Millendon Junction to Toodyay West	575,293,643
EGR	44.DG Midland to Avon Toodyay West to Avon Yard	221,375,078
EGR	44.DG Midland to Avon Avon Yard	8,119,869
EGR	1.SG Avon to Kalgoorlie Avon Yard to West Merredin	921,520,581
EGR	1.SG Avon to Kalgoorlie West Merredin	17,020,332
EGR	1.SG Avon to Kalgoorlie West Merredin to Merredin	14,987,359
EGR	1.SG Avon to Kalgoorlie Merredin to Southern Cross	883,093,776
EGR	1.SG Avon to Kalgoorlie Southern Cross to Koolyanobbing East	246,210,676
EGR	1.SG Avon to Kalgoorlie Koolyanobbing East to Mount Walton	366,404,866
EGR	1.SG Avon to Kalgoorlie Mount Walton to West Kalgoorlie West	699,164,431

Network Group	Route Section (Code Route Number & Route Name Route Section)	DORC
EGR	1.SG Avon to Kalgoorlie West Kalgoorlie West to West Kalgoorlie	43,577,190
EGR	1.SG Avon to Kalgoorlie West Kalgoorlie	17,314,925
EGR	1.SG Avon to Kalgoorlie West Kalgoorlie to Kalgoorlie	33,744,468
EGR	1.SG Avon to Kalgoorlie Kalgoorlie	4,026,825
EGR	1.SG Avon to Kalgoorlie Kalgoorlie to Parkeston (border)	5,011,176
Midwest	40.NG Narngulu to Maya Narngulu to Narngulu East	12,208,008
Midwest	40.NG Narngulu to Maya Narngulu East to Mullewa	433,841,187
Midwest	40.NG Narngulu to Maya Mullewa to Tilley Junction	496,402,272
Midwest	40.NG Narngulu to Maya Tilley Junction to Tilley	7,336,229
Midwest	40.NG Narngulu to Maya Tilley to Morawa	8,455,422
Midwest	40.NG Narngulu to Maya Morawa to Perenjori	117,807,427
Midwest	40.NG Narngulu to Maya Perenjori to Maya	11,848,580
EBL	4.SG West Kalgoorlie West to West Kalgoorlie South West Kalgoorlie West to West Kalgoorlie South	11,967,238
EBL	4.SG West Kalgoorlie West to West Kalgoorlie South West Kalgoorlie to West Kalgoorlie South	14,709,826
EBL	5.SG West Kalgoorlie to Esperance West Kalgoorlie South to Hampton Intermodal Terminal	57,644,316
EBL	5.SG West Kalgoorlie to Esperance Hampton Intermodal Terminal	3,565,546
EBL	5.SG West Kalgoorlie to Esperance Hampton Intermodal Terminal to Hampton	24,510,778
EBL	5.SG West Kalgoorlie to Esperance Hampton to Kambalda	161,239,279
EBL	6.SG Kambalda to Redmine Kambalda to Redmine	31,146,254
EBL	5.SG West Kalgoorlie to Esperance Kambalda to Salmon Gums	1,033,696,367
EBL	5.SG West Kalgoorlie to Esperance Salmon Gums to Esperance	465,509,661
EBL	5.SG West Kalgoorlie to Esperance Esperance to Esperance Wharf	45,193,560
EBL	5.SG West Kalgoorlie to Esperance Esperance Wharf	6,748,214
LBL	3.SG Kalgoorlie to Leonora Kalgoorlie to Menzies	404,831,440
LBL	3.SG Kalgoorlie to Leonora Menzies to Malcolm	325,840,077
LBL	3.SG Kalgoorlie to Leonora Malcolm to Leonora	89,979,586

Network Group	Route Section (Code Route Number & Route Name Route Section)	DORC
LBL	3.SG Kalgoorlie to Leonora Leonora	8,159,960
SWM	10.NG Kwinana to Mundijong Junction Kwinana to Mundijong Junction	119,923,874
SWM	11.NG Mundijong Junction to Picton Junction Mundijong Junction to Pinjarra	254,394,436
SWM	11.NG Mundijong Junction to Picton Junction Pinjarra to Pinjarra South	16,255,655
SWM	18.NG Pinjarra to Alumina Junction Pinjarra to Alumina Junction	6,950,378
SWM	19.NG Alumina Junction to Pinjarra South Alumina Junction to Pinjarra South	5,407,657
SWM	11.NG Mundijong Junction to Picton Junction Pinjarra South to Wagerup North	127,284,075
SWM	11.NG Mundijong Junction to Picton Junction Wagerup North to Wagerup South	6,523,498
SWM	11.NG Mundijong Junction to Picton Junction Wagerup South to Brunswick North	175,747,444
SWM	11.NG Mundijong Junction to Picton Junction Brunswick North to Brunswick Junction	6,942,435
SWM	11.NG Mundijong Junction to Picton Junction Brunswick Junction to Picton Junction	142,920,251
SWM	15.NG Picton Junction to Picton East Picton Junction to Picton East	11,238,815
SWM	16.NG Picton Junction to Bunbury Inner Harbour Picton Junction to Bunbury Inner Harbour	25,122,621
SWM	17.NG Picton Junction to Bunbury Terminal Picton Junction to Picton Container Terminal	5,599,902
SWM	17.NG Picton Junction to Bunbury Terminal Picton Container Terminal to Bunbury Terminal	16,645,789
SWM	13.NG Picton Junction to Lambert Picton Junction to Greenbushes	33,476,584
Collie	21.NG Brunswick North to Brunswick East Brunswick North to Brunswick East	4,094,834
Collie	20.NG Brunswick Junction to Premier Brunswick Junction to Brunswick East	8,031,047
Collie	20.NG Brunswick Junction to Premier Brunswick East to Worsley	109,212,433
Collie	20.NG Brunswick Junction to Premier Worsley to Worsley East	3,771,119
Collie	20.NG Brunswick Junction to Premier Worsley East to Ewington Junction	76,165,148
Collie	20.NG Brunswick Junction to Premier Ewington Junction to Premier	4,630,786
Collie	22.NG Worsley to Hamilton Worsley East to Worsley North	2,050,542
Collie	22.NG Worsley to Hamilton Worsley to Hamilton	29,673,196
MR	38.NG Millendon Junction to Geraldton Millendon Junction to Watheroo	536,656,218
MR	38.NG Millendon Junction to Geraldton Watheroo to Marchagee	74,690,646

Network Group	Route Section (Code Route Number & Route Name Route Section)	DORC
MR	38.NG Millendon Junction to Geraldton Marchagee to Dongara	490,006,958
MR	38.NG Millendon Junction to Geraldton Dongara to Narngulu	159,820,975
MR	38.NG Millendon Junction to Geraldton Narngulu to Geraldton	87,208,231
MR	39.NG Dongara to Eneabba South Dongara to Eneabba South	19,499,407
Central	34.NG Avon Yard to McLevie Avon Yard to Goomalling	140,463,036
Central	34.NG Avon Yard to McLevie Goomalling to McLevie	285,597,898
Central	35.NG Goomalling to Mukinbudin Goomalling to Amery	76,042,725
Central	35.NG Goomalling to Mukinbudin Amery to Mukinbudin	274,664,345
Central	36.NG Amery to Kalannie Amery to Burakin	142,725,585
Central	36.NG Amery to Kalannie Burakin to Kalannie	42,947,670
Central	37.NG Burakin to Beacon Burakin to Beacon	92,466,721
Central	41.NG Toodyay West to Miling Toodyay West to Miling	268,997,391
GSR	23.NG Avon to Albany Avon Yard to York	176,378,286
GSR	23.NG Avon to Albany York to Brookton	267,228,070
GSR	23.NG Avon to Albany Brookton to Narrogin	260,474,785
GSR	23.NG Avon to Albany Narrogin to Wagin	178,946,242
GSR	23.NG Avon to Albany Wagin to Wagin South	15,012,328
GSR	23.NG Avon to Albany Wagin South to Katanning	166,749,206
GSR	23.NG Avon to Albany Katanning to Tambellup	177,085,514
GSR	23.NG Avon to Albany Tambellup to Redmond	390,036,139
GSR	23.NG Avon to Albany Redmond to Albany	75,369,514
Lakes	27.NG Wagin to Newdegate Wagin East to Wagin South	1,586,699
Lakes	27.NG Wagin to Newdegate Wagin to Lake Grace	315,506,832
Lakes	27.NG Wagin to Newdegate Lake Grace to Newdegate	125,066,455
Lakes	28.NG Lake Grace to Hyden Lake Grace to Hyden	228,596,839
CBH Sidings SG	8.SG CBH siding connections Avon Yard	4,996,318

Network Group	Route Section (Code Route Number & Route Name Route Section)	DORC
CBH Sidings SG	8.SG CBH siding connections Bodallin	2,342,987
CBH Sidings SG	8.SG CBH siding connections Burracoppin	2,498,142
CBH Sidings SG	8.SG CBH siding connections Carrabin	2,705,498
CBH Sidings SG	8.SG CBH siding connections Cunderdin	4,324,738
CBH Sidings SG	8.SG CBH siding connections Doodlakine	2,393,184
CBH Sidings SG	8.SG CBH siding connections Grass Patch	7,012,664
CBH Sidings SG	8.SG CBH siding connections Grass Valley	3,180,811
CBH Sidings SG	8.SG CBH siding connections Hines Hill	2,331,836
CBH Sidings SG	8.SG CBH siding connections Kellerberrin	4,983,739
CBH Sidings SG	8.SG CBH siding connections Meckering	2,241,446
CBH Sidings SG	8.SG CBH siding connections Merredin	5,467,430
CBH Sidings SG	8.SG CBH siding connections Moorine Rock	2,231,085
CBH Sidings SG	8.SG CBH siding connections Salmon Gums	3,841,882
CBH Sidings SG	8.SG CBH siding connections Southern Cross	6,108,439
CBH Sidings SG	8.SG CBH siding connections Tammin	4,394,632
CBH Sidings NG	42.NG CBH siding connections Albany	4,073,285
CBH Sidings NG	42.NG CBH siding connections Arrino	1,425,009
CBH Sidings NG	42.NG CBH siding connections Avon Yard	846,811
CBH Sidings NG	42.NG CBH siding connections Ballaying	1,130,064
CBH Sidings NG	42.NG CBH siding connections Ballidu	5,055,425
CBH Sidings NG	42.NG CBH siding connections Beacon	3,153,771
CBH Sidings NG	42.NG CBH siding connections Bencubbin	3,885,561
CBH Sidings NG	42.NG CBH siding connections Beverley	1,211,750
CBH Sidings NG	42.NG CBH siding connections Bindi Bindi	1,884,873
CBH Sidings NG	42.NG CBH siding connections Bolgart	1,470,489
CBH Sidings NG	42.NG CBH siding connections Bowgada	2,056,718

Network Group	Route Section (Code Route Number & Route Name Route Section)	DORC
CBH Sidings NG	42.NG CBH siding connections Brookton	7,623,866
CBH Sidings NG	42.NG CBH siding connections Broomehill	4,420,828
CBH Sidings NG	42.NG CBH siding connections Buniche	2,559,289
CBH Sidings NG	42.NG CBH siding connections Bunjil	159,939
CBH Sidings NG	42.NG CBH siding connections Cadoux	2,314,787
CBH Sidings NG	42.NG CBH siding connections Calingiri	3,132,545
CBH Sidings NG	42.NG CBH siding connections Canna	8,101,014
CBH Sidings NG	42.NG CBH siding connections Carnamah	2,251,366
CBH Sidings NG	42.NG CBH siding connections Cleary	899,919
CBH Sidings NG	42.NG CBH siding connections Coomberdale	(86,876)
CBH Sidings NG	42.NG CBH siding connections Coorow	3,096,003
CBH Sidings NG	42.NG CBH siding connections Cowcowing	980,222
CBH Sidings NG	42.NG CBH siding connections Cranbrook	10,392
CBH Sidings NG	42.NG CBH siding connections Dowerin	1,075,676
CBH Sidings NG	42.NG CBH siding connections Dumbleyung	6,213
CBH Sidings NG	42.NG CBH siding connections Ejanding	896,622
CBH Sidings NG	42.NG CBH siding connections Gabbin	1,495,280
CBH Sidings NG	42.NG CBH siding connections Goomalling	2,127,668
CBH Sidings NG	42.NG CBH siding connections Hyden	-
CBH Sidings NG	42.NG CBH siding connections Jennacubbine	1,510,731
CBH Sidings NG	42.NG CBH siding connections Kalannie	1,978,592
CBH Sidings NG	42.NG CBH siding connections Karlgarin	3,879,167
CBH Sidings NG	42.NG CBH siding connections Katanning	4,348,009
CBH Sidings NG	42.NG CBH siding connections Kirwan	1,743,082
CBH Sidings NG	42.NG CBH siding connections Kondut	2,148,658
CBH Sidings NG	42.NG CBH siding connections Konnongorring	1,912,831

Network Group	Route Section (Code Route Number & Route Name Route Section)	DORC
CBH Sidings NG	42.NG CBH siding connections Koorda	3,561,117
CBH Sidings NG	42.NG CBH siding connections Kuender	2,837,151
CBH Sidings NG	42.NG CBH siding connections Kukerin	1,524,199
CBH Sidings NG	42.NG CBH siding connections Kulja	557,259
CBH Sidings NG	42.NG CBH siding connections Lake Grace	4,764,523
CBH Sidings NG	42.NG CBH siding connections Latham	79,675
CBH Sidings NG	42.NG CBH siding connections Manmanning	(178)
CBH Sidings NG	42.NG CBH siding connections Marchagee	2,803,348
CBH Sidings NG	42.NG CBH siding connections Maya	552,656
CBH Sidings NG	42.NG CBH siding connections McLevie	2,975,494
CBH Sidings NG	42.NG CBH siding connections Merredin	1,243,920
CBH Sidings NG	42.NG CBH siding connections Miling	3,639,032
CBH Sidings NG	42.NG CBH siding connections Mingenew	5,816,731
CBH Sidings NG	42.NG CBH siding connections Minnivale	2,528,746
CBH Sidings NG	42.NG CBH siding connections Mogumber	9,611
CBH Sidings NG	42.NG CBH siding connections Mollerin	(775)
CBH Sidings NG	42.NG CBH siding connections Moora	1,943,254
CBH Sidings NG	42.NG CBH siding connections Morawa	5,798,149
CBH Sidings NG	42.NG CBH siding connections Moulyinning	1,167
CBH Sidings NG	42.NG CBH siding connections Mount Kokeby	6,067
CBH Sidings NG	42.NG CBH siding connections Mukinbudin	4,296,898
CBH Sidings NG	42.NG CBH siding connections Mullewa	4,697,777
CBH Sidings NG	42.NG CBH siding connections Narrogin	2,864,236
CBH Sidings NG	42.NG CBH siding connections Newdegate	1,115,740
CBH Sidings NG	42.NG CBH siding connections Perenjori	3,071,712
CBH Sidings NG	42.NG CBH siding connections Piawanning	1,631,179

Network Group	Route Section (Code Route Number & Route Name Route Section)	DORC
CBH Sidings NG	42.NG CBH siding connections Pingaring	1,576,570
CBH Sidings NG	42.NG CBH siding connections Pithara	1,239,096
CBH Sidings NG	42.NG CBH siding connections Tambellup	2,287,745
CBH Sidings NG	42.NG CBH siding connections Tarin Rock	1,436,626
CBH Sidings NG	42.NG CBH siding connections Three Springs	4,601,074
CBH Sidings NG	42.NG CBH siding connections Wagin	4,477,400
CBH Sidings NG	42.NG CBH siding connections Watheroo	1,585,711
CBH Sidings NG	42.NG CBH siding connections Welbungin	1,892,929
CBH Sidings NG	42.NG CBH siding connections Wongan Hills	4,114,012
CBH Sidings NG	42.NG CBH siding connections Woodanilling	2,366,534
CBH Sidings NG	42.NG CBH siding connections Wyalkatchem	2,111,892
CBH Sidings NG	42.NG CBH siding connections Yerecoin	3,433,146
CBH Sidings NG	42.NG CBH siding connections York	2,026,297
CBH Sidings NG	42.NG CBH siding connections Yornaning	1,272,422
Sidings & Other	7.SG Cockburn North to Robb Jetty Cockburn North to Robb Jetty (SG)	27,399,057
Sidings & Other	9.SG Other siding connections Esperance Industrial Road	13,887,672
Sidings & Other	9.SG Other siding connections West Kalgoorlie Industrial Road	16,366,096
Sidings & Other	9.SG Other siding connections Kewdale North Grid	7,338,099
Sidings & Other	9.SG Other siding connections Kewdale BP Loading Depot	3,867,210
Sidings & Other	12.NG Cockburn North to Robb Jetty Cockburn North to Robb Jetty (NG)	16,355,687
Sidings & Other	23.NG Avon to Albany Redmond to Mirrambeena	10,177,736
Sidings & Other	43.NG Other siding connections Kwinana to Kwinana Alcoa	12,711,361
Sidings & Other	43.NG Other siding connections Kwinana to Kwinana West	1,960,864
Sidings & Other	43.NG Other siding connections Kwinana West to Kwinana KBT	219,109
Sidings & Other	43.NG Other siding connections Extension Hill Siding	6,185,299
Sidings & Other	43.NG Other siding connections Tilley Siding	6,065,783

Network Group	Route Section (Code Route Number & Route Name Route Section)	DORC
Sidings & Other	48.DG Other siding connections Kwinana West to Kwinana FPA	15,033,226
Sidings & Other	48.DG Other siding connections Kwinana FPA to Kwinana CBH	15,661,513
Non-Operational	13.NG Picton Junction to Lambert Greenbushes to Lambert	16,832,530
Non-Operational	14.NG Boyanup to Capel Boyanup to Capel	3,804,544
Non-Operational	24.NG York to Quairading York to Quairading	14,469,143
Non-Operational	25.NG Narrogin to West Merredin Narrogin to West Merredin	42,218,932
Non-Operational	32.NG West Merredin to Kondinin West Merredin to Kondinin	29,900,528
Non-Operational	33.NG West Merredin to Trayning West Merredin to Trayning	13,953,798
Non-Operational	26.NG Yilliminning to Kulin Yilliminning to Kulin	20,240,703
Non-Operational	29.NG Katanning to Nyabing Katanning to Nyabing	12,182,801
Non-Operational	31.NG Tambellup to Gnowangerup Tambellup to Gnowangerup	7,474,266
Non-Operational	30.NG Katanning East to Katanning South Katanning East to Katanning South	-
TOTAL		15,262,760,914