

H D M - 4

Work Programme Unconstrained by Section

HIGHWAY DEVELOPMENT & MANAGEMENT

Study Name: **Republican_2020**

Run Date: **04-12-2020**

Currency: **US Dollar (millions)**

Section	Road Class	Length (km)	AADT Surface Class	Year Work Description	NPV/CAP	Financial Costs	Cumulative Costs
R-10 0 - 15.8	Republican	15.8	3418 Bituminous	2024 Surface dressing	2.738	2.348	2.348
	Republican	15.8	5567 Bituminous	2034 Surface dressing	2.738	2.348	4.697
	Republican	15.8	7105 Bituminous	2039 Overlay 50mm at IRI 6	2.738	4.739	9.436
R-10 15.8 - 30.2	Republican	14.4	1718 Bituminous	2024 Surface dressing	0.878	2.140	11.576
	Republican	14.4	2666 Bituminous	2033 Overlay 50mm at IRI 6	0.878	4.319	15.895
R-10 30.2 - 41.4	Republican	11.2	1636 Bituminous	2023 Surface dressing	0.651	1.665	17.560
	Republican	11.2	2418 Bituminous	2031 Overlay 50mm at IRI 6	0.651	3.359	20.919
R-19 0 - 9.5	Republican	9.5	2784 Bituminous	2024 Surface dressing	1.354	1.237	22.156
	Republican	9.5	5000 Bituminous	2036 Surface dressing	1.354	1.237	23.394
R-20 0 - 8.3	Republican	8.3	1461 Bituminous	2024 Surface dressing	0.610	0.984	24.378
	Republican	8.3	1957 Bituminous	2030 Overlay 50mm at IRI 6	0.610	1.986	26.364
R-20 20.3- 31.4	Republican	11.1	770 Bituminous	2022 Olerlay 40mm+60mm at IRI 10	0.078	2.971	29.335
	Republican	11.1	1525 Bituminous	2036 Surface dressing	0.078	1.316	30.651
R-20 8.3 - 20.3	Republican	12.0	943 Bituminous	2022 Overlay 50mm at IRI 6	0.010	2.871	33.522
	Republican	12.0	1694 Bituminous	2034 Overlay 50mm at IRI 6	0.010	2.871	36.393
R-24 0 - 21.1	Republican	21.1	885 Bituminous	2022 Olerlay 40mm+60mm at IRI 10	0.546	4.773	41.166
	Republican	21.1	1752 Bituminous	2036 Surface dressing	0.546	2.114	43.281
R-30 11.0 - 32.0	Republican	21.0	1131 Bituminous	2026 Surface dressing	0.102	2.630	45.911
	Republican	21.0	1842 Bituminous	2036 Surface dressing	0.102	2.630	48.541
R-30 35.0 - 48.9	Republican	13.9	1165 Bituminous	2025 Surface dressing	0.136	1.741	50.282
	Republican	13.9	1992 Bituminous	2036 Surface dressing	0.136	1.741	52.023
R-30 48.9 - 55.2	Republican	6.3	1188 Bituminous	2024 Surface dressing	0.200	0.789	52.812
	Republican	6.3	1593 Bituminous	2030 Overlay 50mm at IRI 6	0.200	1.592	54.404

R-35 0 - 7.7	Republican	7.7	1434 Bituminous	2024 Surface dressing	0.624	0.772	55.176
	Republican	7.7	2453 Bituminous	2035 Surface dressing	0.624	0.772	55.947
	Republican	7.7	3287 Bituminous	2041 Overlay 50mm at IRI 6	0.624	1.557	57.504
R-35 7.7 - 14.8	Republican	7.1	1015 Bituminous	2025 Surface dressing	0.206	0.711	58.216
	Republican	7.1	1737 Bituminous	2036 Surface dressing	0.206	0.711	58.927
R-37 0 - 15.4	Republican	15.4	1675 Bituminous	2023 Surface dressing	0.730	1.723	60.650
	Republican	15.4	2137 Bituminous	2028 Overlay 50mm at IRI 6	0.730	3.477	64.128
	Republican	15.4	4031 Bituminous	2041 Surface dressing	0.730	1.723	65.851
R-37 15.4 - 23.0	Republican	7.6	1675 Bituminous	2023 Surface dressing	1.081	0.850	66.701
	Republican	7.6	2474 Bituminous	2031 Overlay 50mm at IRI 6	1.081	1.716	68.417
R-37-1 0 - 3.2	Republican	3.2	876 Bituminous	2023 Surface dressing	0.024	0.321	68.738
	Republican	3.2	1118 Bituminous	2028 Overlay 50mm at IRI 6	0.024	0.647	69.385
	Republican	3.2	2108 Bituminous	2041 Surface dressing	0.024	0.321	69.705
R-4 26.1 - 33.5	Republican	7.4	1621 Bituminous	2024 Surface dressing	0.524	0.939	70.645
	Republican	7.4	2641 Bituminous	2034 Surface dressing	0.524	0.939	71.584
	Republican	7.4	3716 Bituminous	2041 Overlay 50mm at IRI 6	0.524	1.895	73.479
R-4 34.8 - 41.2	Republican	6.4	1609 Bituminous	2023 Surface dressing	0.601	0.812	74.291
	Republican	6.4	2621 Bituminous	2033 Surface dressing	0.601	0.812	75.104
	Republican	6.4	3034 Bituminous	2036 Overlay 50mm at IRI 6	0.601	1.639	76.743
R-4 15.6 - 28.3	Republican	10.5	1544 Bituminous	2023 Surface dressing	0.736	1.333	78.075
	Republican	10.5	2395 Bituminous	2032 Overlay 50mm at IRI 6	0.736	2.689	80.765
R-40 0 - 11.0	Republican	11.0	1434 Bituminous	2022 Surface dressing	0.943	1.102	81.867
	Republican	11.0	2119 Bituminous	2030 Overlay 50mm at IRI 6	0.943	2.224	84.091
R-40 11.0 - 23.0	Republican	12.0	1434 Bituminous	2022 Overlay 50mm at IRI 6	0.893	2.426	86.517
	Republican	12.0	2225 Bituminous	2031 Overlay 50mm at IRI 6	0.893	2.426	88.944
	Republican	12.0	3287 Bituminous	2039 Surface dressing	0.893	1.202	90.146
R-40 47.0 - 66.0	Republican	19.0	1350 Bituminous	2022 Reconstruction at IRI 13	0.569	7.364	97.511
	Republican	19.0	2807 Bituminous	2037 Surface dressing	0.569	1.904	99.414
R-40 66.0 - 70.0	Republican	4.0	1350 Bituminous	2022 Overlay 50mm at IRI 6	0.718	0.809	100.223
	Republican	4.0	2095 Bituminous	2031 Overlay 50mm at IRI 6	0.718	0.809	101.032
R-43 0 - 7.9	Republican	7.9	1528 Bituminous	2022 Overlay 50mm at IRI 6	1.045	1.597	102.629
	Republican	7.9	2744 Bituminous	2034 Surface dressing	1.045	0.792	103.421
R-43 15.0 - 26.0	Republican	11.0	1528 Bituminous	2022 Overlay 50mm at IRI 6	0.882	2.224	105.645
	Republican	11.0	2744 Bituminous	2034 Surface dressing	0.882	1.102	106.747
R-43 7.9 - 15.0	Republican	7.1	1528 Bituminous	2022 Overlay 50mm at IRI 6	0.788	1.436	108.183
	Republican	7.1	2744 Bituminous	2034 Surface dressing	0.788	0.711	108.894
	Republican	7.1	3176 Bituminous	2037 Overlay 50mm at IRI 6	0.788	1.436	110.330
R-45 0 - 7.7	Republican	7.7	1326 Bituminous	2023 Surface dressing	0.884	0.772	111.102
	Republican	7.7	2058 Bituminous	2032 Surface dressing	0.884	0.772	111.873
	Republican	7.7	2501 Bituminous	2036 Overlay 50mm at IRI 6	0.884	1.557	113.430
R-45 7.7 - 14.5	Republican	6.8	1462 Bituminous	2025 Surface dressing	1.035	0.681	114.111
	Republican	6.8	2501 Bituminous	2036 Surface dressing	1.035	0.681	114.793
R-48 0 - 10.0	Republican	10.0	2505 Bituminous	2022 Olerlay 40mm+60mm at IRI 10	3.239	2.262	117.055

R-48 10.0 -17.5	Republican	10.0	4725 Bituminous	2035 Surface dressing	3.239	1.002	118.057
	Republican	7.5	2505 Bituminous	2022 Reconstruction at IRI 13	1.799	2.907	120.964
R-56 0 -5.3	Republican	7.5	4961 Bituminous	2036 Surface dressing	1.799	0.752	121.715
	Republican	5.3	2384 Bituminous	2022 Overlay 50mm at IRI 6	2.022	1.072	122.787
R-59 0 - 8.2	Republican	5.3	3699 Bituminous	2031 Overlay 50mm at IRI 6	2.022	1.072	123.859
	Republican	8.2	1034 Bituminous	2027 Surface dressing	0.230	0.822	124.680
R-60 0 - 8.0	Republican	8.2	1604 Bituminous	2036 Surface dressing	0.230	0.822	125.502
	Republican	8.0	1210 Bituminous	2023 Surface dressing	0.339	0.802	126.304
	Republican	8.0	1471 Bituminous	2027 Overlay 50mm at IRI 6	0.339	1.618	127.921
	Republican	8.0	2643 Bituminous	2039 Surface dressing	0.339	0.802	128.723
R-60 8.0 - 12.8	Republican	4.8	689 Bituminous	2022 Olerlay 40mm+60mm at IRI 10	0.126	1.086	129.808
	Republican	4.8	1504 Bituminous	2038 Surface dressing	0.126	0.481	130.289
R-63 0 - 9.2	Republican	9.2	867 Bituminous	2025 Surface dressing	0.237	0.922	131.211
	Republican	9.2	1346 Bituminous	2034 Overlay 50mm at IRI 6	0.237	1.860	133.072
R-63 9.2 - 18.0	Republican	8.8	826 Bituminous	2024 Overlay 50mm at IRI 6	0.052	1.779	134.851
	Republican	8.8	1346 Bituminous	2034 Surface dressing	0.052	0.882	135.733
R-64 0 - 11.9	Republican	11.9	1824 Bituminous	2024 Surface dressing	1.525	1.192	136.925
	Republican	11.9	2695 Bituminous	2032 Overlay 50mm at IRI 6	1.525	2.406	139.331
R-64 11.9 - 19.4	Republican	7.5	1654 Bituminous	2022 Overlay 50mm at IRI 6	1.079	1.517	140.848
	Republican	7.5	2971 Bituminous	2034 Surface dressing	1.079	0.752	141.599
R-64 19.4 - 32.5	Republican	13.1	1824 Bituminous	2024 Surface dressing	1.500	1.313	142.912
	Republican	13.1	2830 Bituminous	2033 Overlay 50mm at IRI 6	1.500	2.649	145.561
R-74 0 - 4.6	Republican	13.1	4181 Bituminous	2041 Surface dressing	1.500	1.313	146.873
	Republican	4.6	883 Bituminous	2027 Surface dressing	0.165	0.461	147.334
R-8 0 - 11.5	Republican	4.6	1439 Bituminous	2037 Surface dressing	0.165	0.461	147.795
	Republican	11.5	6880 Bituminous	2024 Surface dressing	5.872	1.815	149.610
	Republican	11.5	11768 Bituminous	2035 Surface dressing	5.872	1.815	151.425
	Republican	11.5	15020 Bituminous	2040 Overlay 50mm at IRI 6	5.872	3.662	155.087
R-8 11.5 - 21.2	Republican	9.7	6126 Bituminous	2024 Surface dressing	5.413	1.531	156.618
	Republican	9.7	10477 Bituminous	2035 Surface dressing	5.413	1.531	158.149
R-85 0 - 7.6	Republican	9.7	12735 Bituminous	2039 Overlay 50mm at IRI 6	5.413	3.089	161.238
	Republican	7.6	4124 Bituminous	2022 Surface dressing	3.379	0.762	161.999
	Republican	7.6	7054 Bituminous	2033 Surface dressing	3.379	0.762	162.761
	Republican	7.6	8574 Bituminous	2037 Overlay 50mm at IRI 6	3.379	1.537	164.298
R-88 0 - 2.5	Republican	2.5	971 Bituminous	2023 Surface dressing	0.542	0.251	164.548
	Republican	2.5	1239 Bituminous	2028 Overlay 50mm at IRI 6	0.542	0.506	165.054
R-89 0 - 9.6	Republican	2.5	2226 Bituminous	2040 Surface dressing	0.542	0.251	165.304
	Republican	9.6	1045 Bituminous	2023 Surface dressing	0.454	0.962	166.266
R-89 9.6 - 20.5	Republican	9.6	1470 Bituminous	2030 Overlay 50mm at IRI 6	0.454	1.941	168.207
	Republican	9.6	1045 Bituminous	2023 Overlay 50mm at IRI 6	0.504	1.941	170.148
	Republican	9.6	1877 Bituminous	2035 Surface dressing	0.504	0.962	171.110