
Appendix H:
Pavement Distresses, Repair Recommendations,
and Cost Estimates



National Trail Parks and Recreation District

Table H1: Buck Creek Scenic Trail

Mileage	Distress	Recommendation	Priority	Estimated Cost (2015 Dollars)
0.2	Transverse cracks (3 over 100')	Mill and fill	Immediate	\$300.00
0.5	Tree roots	Cut out roots and full depth replacement	Immediate	\$1,700.00
0.7	Potholes	Patch, mill, and fill	Immediate	\$400.00
0.7	Edge washout	Erosion control using landscape timbers	Immediate	\$1,000.00
0.8 to 1.3	Transverse cracking	Crack sealing and onyx treatment*	-	-
1.3	Settlement/cracking at bridge	Crack sealing and onyx treatment*	-	-
1.4	Rutting	Mill and fill (4' width)	Immediate	\$300.00
1.7	Major washout	To be repaired by others	-	-
1.7	Minor transverse cracking	Crack sealing and onyx treatment*	-	-
1.9 to 2.1	Transverse and edge cracking	Crack sealing and onyx treatment*	-	-
1.9 to 2.1	Rutting	Patch, mill & fill	Immediate	\$7,300.00
2.5	Car fire damage	Mill and fill (4' width)	Immediate	\$200.00
2.6	Transverse cracking	Crack sealing and onyx treatment*	-	-
3.4 to 3.6	Map and edge cracking	Mill and fill	Immediate	\$7,300.00
0.0 to 0.2	Extensive cracking	Mill and fill and widen to 10'	Immediate	\$18,700.00
0.2 to 0.5	Extensive cracking	Full depth replacement (widen to 10')	Immediate	\$40,600.00
-	*Cracking above and any other miscellaneous cracking	Crack seal entire trail	Immediate	\$8,500.00
-	-	Mobilization	-	\$1,000.00
-	Pavement Preservation	Onyx mastic surface treatment	Immediate	\$26,400.00
TOTAL COST FOR IMMEDIATE REPAIRS				\$113,700.00

Table H2: Little Miami Scenic Trail

Mileage	Distress	Recommendation	Priority	Estimated Cost (2015 Dollars)
0.1 from Center	Edge cracking (under Wittenberg bridge)	Full depth replacement (3' width)	Immediate	\$1,900.00
0.2 from State	Transverse cracking	Crack sealing and onyx seal*	Immediate	-
-	*Cracking above and any other miscellaneous cracking	Crack seal entire trail	Immediate	\$2,700.00
-	-	Mobilization	-	\$500.00
-	Pavement Preservation	Onyx seal	Immediate	\$9,000.00
TOTAL COST FOR IMMEDIATE REPAIRS				\$14,100.00

Table H3: Simon Kenton Trail

Mileage	Distress	Recommendation	Priority	Cost Estimate (2015 Dollars)
NORTH OF MITCHELL BLVD				
0.1	Rutting	Mill and fill (4' width)	Immediate	\$600.00
0.2	Small potholes	Patch, mill, and fill	Immediate	\$300.00
0.8	Erosion	Erosion control using landscape timbers	Immediate	\$400.00
1.0	Edge failure under overpass (94' length)	Full depth replacement (1' width)	Immediate	\$400.00
1.1	Tree roots (200' length)	Cut out roots and full depth replacement	Immediate	\$6,600.00
1.2	Tree roots (20' length)	Cut out roots and full depth replacement	Immediate	\$1,700.00
1.3	Settlement at pipe	Mill and fill entire width	Immediate	\$200.00
1.8	Tree roots (350' length)	Cut out roots and full depth replacement	Immediate	\$11,500.00
2.1	Tree roots (20' length)	Cut out roots and full depth replacement	Immediate	\$1,700.00
2.5	Bumpy / base failure	Mill and fill entire width	Immediate	\$1,000.00
3.2	Tree roots (two locations) -- minor	Cut out roots and full depth replacement	Immediate	\$1,700.00
3.6	Sealed longitudinal cracking opening back up	Full depth replacement (3' width)	Immediate	\$1,900.00
3.9	Transverse cracking at utility cut	Crack sealing and onyx seal*	-	-
4.2	Longitudinal cracking	Full depth replacement (3' width)	Immediate	\$1,900.00
4.2	Settlement at culvert (9" drop)	Full depth replacement	Immediate	\$3,000.00
4.3	Settlement	Full depth replacement (5' width)	Immediate	\$1,500.00
4.4 to 4.5	Settlement	Full depth replacement	Immediate	\$7,500.00
4.7	Transverse cracking	Crack sealing and onyx seal*	-	-
5.5	Transverse cracking	Crack sealing and onyx seal*	-	-
5.8	Longitudinal cracking (90')	Crack sealing and onyx seal*	-	-
5.8 to 6.2	Settlement	Full depth replacement	5-year	\$59,700.00
SOUTH OF MITCHELL BLVD				
0.0	Tree roots (6 over 20')	Cut out roots and full depth replacement	Immediate	\$1,000.00
0.2	Longitudinal cracking	Crack sealing and onyx seal*	-	-
0.3	Longitudinal cracking	Crack sealing and onyx seal*	-	-
2.0	Settlement (hump) with cracking	Full depth replacement	Immediate	\$1,200.00
ENTIRE TRAIL				
-	*Cracking above and any other miscellaneous cracking	Crack seal entire trail	Immediate	\$20,500.00
-	-	Mobilization	-	\$1,000.00
-	Pavement Preservation	Onyx seal	5-year	\$62,500.00
TOTAL COST FOR IMMEDIATE REPAIRS				\$65,600.00
TOTAL COST FOR 5-YEAR REPAIRS				\$123,200.00

Clark County Parks District

Table H4: Little Miami Scenic Trail

Mileage	Distress	Recommendation	Priority	Estimated Cost (2015 Dollars)
0.0	3 unsealed transverse cracks	No Recommendation (may be abandoned)	-	-
0.5	Minor dip	Mill and fill entire width	5-year	\$100.00
1.0	Tree root	Cut out roots and full depth replacement	5-year	\$400.00
5.0	Two 1/4" dips	Mill and fill (5' width)	5-year	\$100.00
5.0	Transverse crack (1/8")	Crack sealing (individual crack)	5-year	-
0.0 to 5.0	Various longitudinal and transverse cracks have been sealed throughout entire length	No Recommendation - do not appear to need repair	-	-
-	-	Mobilization	-	\$500.00
TOTAL COST FOR 5-YEAR REPAIRS				\$1,100.00

Table H5: Prairie Grass Trail

Mileage	Distress	Recommendation	Priority	Cost Estimate (2015 Dollars)
WEST OF SOUTH CHARLESTON				
0.5	Transverse cracking	Crack sealing and onyx seal*	-	-
0.7	Transverse cracking	Crack sealing and onyx seal*	-	-
1.6	Edge cracking (may be tree roots)	Cut out roots and full depth replacement	5-year	\$2,000.00
1.7	Edge cracking	Full depth replacement (2' width)	5-year	\$3,300.00
0.8 to 2.0	Transverse cracking every 1/10 mile	Crack sealing and onyx seal*	-	-
2.2	Longitudinal cracking	Crack sealing and onyx seal*	-	-
2.0 to 2.7	Transverse cracking every 1/10 mile	Crack sealing and onyx seal*	-	-
3.4	Longitudinal cracking	Crack sealing and onyx seal*	-	-
4.0	Settlements/depressions	Mill and fill	5-year	\$200.00
4.2	Settlement - 1/4" dip	Mill and fill	5-year	\$200.00
2.7 to 4.3	Transverse cracking every 1/10 mile	Crack sealing and onyx seal*	-	-
4.4, 4.5, 4.8	Transverse cracking	Crack sealing and onyx seal*	-	-
4.9 and 5.0	Tree roots	Cut out roots and full depth replacement	5-year	\$3,300.00
5.3	Tree roots	Cut out roots and full depth replacement	5-year	\$700.00
EAST OF SOUTH CHARLESTON				
0.2	Utility cut	Crack sealing and onyx seal*	-	-
0.3 to 0.5	0.25" and 0.5" dips	Mill and fill	5-year	\$500.00
0.7	Major transverse cracking	Mill and fill	5-year	\$200.00
0.0 to 1.3	Transverse cracking every 1/10 or 2/10 mile	Crack sealing and onyx seal*	-	-
0.6 to 1.1	Edge cracking (north side)	Full depth replacement (2' width)	5-year	\$16,300.00
1.3	Edge cracking (approx. 20')	Full depth replacement (2' width)	5-year	\$200.00
1.7 to 1.8	Transverse cracking	Crack sealing and onyx seal*	-	-
2.2	Longitudinal cracking	Crack sealing and onyx seal*	-	-
2.3 to 2.8	Transverse cracking every 50' (previously sealed, opening back up)	Mill and fill	5-year	\$300.00
2.8	Longitudinal cracking	Crack sealing and onyx seal*	-	-
2.9, 3.0, 3.2	Transverse cracking	Crack sealing and onyx seal*	-	-
ENTIRE TRAIL				
-	*Cracking above and any other miscellaneous cracking	Crack seal entire trail	1-year	\$24,100.00
-	-	Mobilization	-	\$1,000.00
-	Pavement Preservation	Onyx seal	5-year	\$73,100.00
TOTAL COST FOR 1-YEAR REPAIRS				\$25,100.00
TOTAL COST FOR 5-YEAR REPAIRS				\$101,300.00