

LONG RANGE TRANSPORTATION PLAN

Chippewa-Eau Claire Metropolitan Planning Area - 2055



Appendix E
Pavement Treatment Methodology

Appendix G
Chippewa-Eau Claire MPA
Highway Preservation Needs
Cost Estimating Methodology

Miles of highway by cross-section widths			
Urban	miles	Rural	miles
2-lane (locals and collectors)	723	2-lane (local)	180
Multi-lane (local)	40		
Multi-lane (state)	79		
Resurface/Recondition costs (2020)			
Urban	cost/mile	Rural	cost/mile
2-lane	\$850,000	2-lane	\$900,000
Multi-lane	\$1,500,000		
Multi-lane (state)	\$1,500,000		
Reconstruction costs (2020)			
Urban	cost per mile	Rural	cost per mile
2-lane	\$1,950,000	2-lane	\$1,400,000
Multi-lane (local)	\$2,500,000		
Multi-lane (state)	\$2,700,000		
Life expectancy of road			
Urban	years	Rural	years
2-lane	30	2-lane	25
Multi-lane	20		
Multi-lane (state)	20		
Annual improvement needs (system mileage/life expectancy)			
Urban	miles/year	Rural	miles/year
2-lane	24	2-lane	7
Multi-lane (local)	2		
Multi-lane (state)	4		
Annual preservation costs*			
Urban	cost/year	Rural	cost/year
2-lane	\$67,480,000	2-lane	\$16,560,000
Multi-lane (local)	\$8,000,000		
Multi-lane (state)	\$16,590,000		
Estimated annual highway preservation costs for MPA			
\$108,630,000			

*Assume one resurface/recondition treatment and one reconstruction during the life cycle of a highway.