

# Statewide Average Highway Improvement Costs for 2008

Improvement Type	Cost/Mile 2008	General Notes
<b>Resurface</b> 1-5		1. Costs DO NOT include design engineering, these costs are typically 15% to 20% of construction costs.
Rural (2-Lane)	\$235,000	1a. In general, use 20% design engineering for construction projects < \$500,000, bridge replacements or complex projects
Rural (Multilane)	\$460,000	2. Costs DO NOT include State design review, these costs are typically 20% of design engineering, minimum \$5,000.
Urban (2-Lane)	\$525,000	2a. This covers plan review, bid advertisement & printing/mailling of plans to bidders.
Urban (Multilane)	\$790,000	3. Costs are AVERAGES and include construction engineering, real estate & utility relocations.
<b>Recondition - Minor</b> 1-5		3a. Costs will vary depending on project complexity.
Rural (2-Lane)	\$395,000	3b. Costs DO NOT include extraordinary items such as: traffic signals, HAZMAT mitigation, railroad crossings etc..
Rural (Multilane)	\$570,000	3c. Costs are expressed in 2008 (current year) dollars
Urban (2-Lane)	\$755,000	3d. For budgeting purposes, project current year to future year dollars using 3% inflation per year
Urban (Multilane)	\$1,550,000	3e. Projects which contain: rock excavation, challenging soils, complex traffic control/staging etc..cost/mile may be higher
<b>Recondition - Major</b> 1-5		4. Rural Roadway - presence of side ditches, no curb & gutter, no storm sewer and costs based on standard lane width of 12 feet.
Rural (2-Lane)	\$605,000	5. Urban Roadway - presence of curb & gutter and costs based on pavement width from curb face - curb face
Rural (Multilane)	\$1,900,000	6. Unit Price Costs are based on statewide averages from WisDOT lettings
Urban (2-Lane)	\$1,065,000	7. Costs DO NOT include geometric improvements to the intersection, includes traffic signal hardware & installation
Urban (Multilane)	\$3,550,000	7a. Secure a qualified design consultant familiar with traffic signal design
<b>Pavement Replacement</b> 1-5		8. General cost to produce, haul, and place asphaltic concrete pavement, costs DO NOT include CABG or prep of foundation
Rural (2-Lane)	\$320,000	
Rural (Multilane)	\$955,000	
Urban (2-Lane)	\$785,000	
Urban (Multilane)	\$1,095,000	
<b>Reconstruction</b> 1-5		
Rural (2-Lane)	\$1,315,000	
Rural (Multilane)	\$2,515,000	
Urban (2-Lane)	\$2,295,000	
Urban (Multilane)	\$4,370,000	
<b>Bridge</b> 1-3	Project Costs	Structure Cost Only
Bridge Replacement <1500SF	\$142/S.F.	\$98/S.F.
Bridge Replacement >1500SF	\$98/S.F.	\$82/S.F.
Bridge Deck Replacement	\$66/S.F.	\$49/S.F.
Bridge Deck Overlay	\$16/S.F.	\$13/S.F.
Box Culverts	\$1200/L.F./BARREL	\$975/L.F./BARREL
<b>Retaining Wall</b> 1-3		
Split Block	\$27-\$33/S.F.	
Cast-in-place	\$76/S.F.	
MSE (Mech. Stab. Earth)	\$33/S.F.	

Miscellaneous Improvements & Unit Price Costs	
Signalization of Intersection 7	\$105,000 - \$165,000 EACH
Overhead Lighting Pole Assembly (150' average spacing)	\$1950 EACH
Overhead Lighting - Wire and Conduit	\$4/L.F.
Mill/AC Overlay/CABC Shoulders	\$82,000 - \$110,000/MILE
AC Overlay -CRC w/County	\$65,000 - \$76,000/MILE
AC Shoulders Only	\$13,000/MILE
Asphaltic Concrete Pavement 8	\$65/TON
PCC Joint Repair (through one travel lane)	\$925/JOINT
Retro-Fit Dowel Bars	\$30 - \$35 EACH
Milling - AC Pavement	\$1.60 - \$2.20/S.Y.
Diamond Grinding PCC Pavement	\$2.20 - \$2.75/S.Y.
Common Excavation	\$2.75/C.Y.
Crushed Aggregate Base Course	\$7.50/TON
PCC Pavement - 9"	\$22/S.Y.
Storm Sewer Pipe - 18"	\$35/L.F.
Inlets - Type 3 (250' average spacing)	\$650 EACH
Inlet Covers - Type H	\$325 EACH
Manholes - Type 3 (@ all junctions)	\$2,350 EACH
Manhole Covers - Type L	\$265 EACH
Concrete Sidewalk - 4"	\$2.50/S.F.
Concrete Sidewalk - 6"	\$3/S.F.
Concrete Curb & Gutter	\$9/L.F.
Concrete Driveway	\$26/S.Y.
Beam Guard	\$11/L.F.
Beam Guard Anchorages & Grading	\$2,700/END TREATMENT
Culvert Pipe - 36"	\$41/L.F.
Culvert Pipe Endwall - 36"	\$380 EACH
Reinforced Concrete Culvert Pipe - 36"	\$68/L.F.
Reinforced Concrete Culvert Pipe Endwall - 36"	\$790 EACH
Riprap	\$50/C.Y.