

## ESTIMATED COSTS PER MILE

(REVISED DECEMBER 2022)

THIS SHEET IS INTENDED TO AID PLANNERS IN OBTAINING A ROUGH ESTIMATE FOR PROJECTS IN EARLY PLANNING PHASES.  
THE FIGURES ARE AVERAGES FOR THE PAST 3 YEARS AND SHOULD BE ADJUSTED IF YOUR JOB IS OUTSIDE THE ORDINARY SCHEME OF WORK.  
CHECK THE LABEL ON THE FIGURE YOU ARE USING, SOME ARE "PER LANE MILE."

**CALL NICK DAIL AT (479) 360-7140 FOR ASSISTANCE.**

<b>NEW ROADS</b> (TURNKEY PROJECTS ON NEW LOCATION WITH "AVERAGE" DRAINAGE WITHOUT BRIDGE QUANTITIES) PER MILE				
<u>ROAD TYPE</u>	<u>URBAN</u>	<u>RURAL-MOUNTAINS</u>	<u>RURAL-OTHER</u>	
4 LANE FREEWAY	\$ 13,000,000	\$ 15,400,000	\$ 10,300,000	
1 LANE RAMP	N/A	N/A	\$ 4,800,000	
5 LANE	\$ 9,800,000	\$ 8,900,000	\$ 7,700,000	
4 LANE	\$ 8,100,000	N/A	N/A	
4 LANE DIVIDED ARTERIAL	\$ 9,500,000	\$ 10,300,000	\$ 7,700,000	
4 LANE DIVIDED ARTERIAL *	N/A	N/A	\$ 16,000,000	
2 LANE ARTERIAL	\$ 4,600,000	\$ 4,400,000	\$ 4,000,000	
2 LANE COLLECTOR	\$ 3,400,000	\$ 3,400,000	\$ 3,200,000	
<i>* IN A FLOODPLAIN WITH BORROW DITCHES</i>				
<b>APPROACHES FOR STRS. &amp; APPRS. PROJECTS</b> (WITHOUT BRIDGE QUANTITIES) PER MILE				
<u>ROAD TYPE</u>	<u>URBAN</u>	<u>RURAL-MOUNTAINS</u>	<u>RURAL-OTHER</u>	
NEW 2 LANE ARTERIAL	\$ 10,100,000	\$ 8,800,000	\$ 8,000,000	
NEW 2 LANE COLLECTOR	N/A	\$ 7,700,000	\$ 6,400,000	
	<u>URBAN</u>			
2 LANES TO 4 LANES	\$11,500,000	<u>RURAL</u>		
2 LANES TO 5 LANES	\$11,800,000	N/A		
3R WIDENING (2 LANES)	\$3,600,000	\$ 8,700,000		
DETOUR	N/A	\$ 2,750,000		
		\$ 775,000		
<b>BRIDGES AND BOX CULVERTS</b> (DOES NOT INCLUDE APPROACH ROADS. USE SQ. FT. OF FINAL STRUCTURE.)				
NEW BRIDGE (ON-NHS)	\$ 270 PER SQ. FT.	DECK AREA (CONTACT BRIDGE DIVISION IN SEISMIC AREAS)		
NEW BRIDGE (OFF-NHS)	\$ 240 PER SQ. FT.	DECK AREA (CONTACT BRIDGE DIVISION IN SEISMIC AREAS)		
WIDEN EXISTING BRIDGE	\$ 265 PER SQ. FT.	OF <b>NEW</b> DECK AREA (OLD DECK RETAINED)		
REPLACE EXISTING DECK	\$ 88 PER SQ. FT.	DECK AREA (NO NEW SUBSTRUCTURE)		
REMOVAL OF BRIDGE	\$ 24 PER SQ. FT.	DECK AREA		
BOX CULVERT	\$ 150 PER SQ. FT.	BOX TOP AREA		
DETOUR BRIDGES	\$ 180 PER SQ. FT.	(MORE IN SEISMIC AREAS)		
HYDRODEMOLITION	\$ 55 PER SQ. FT.	DECK AREA		
POLYMER OVERLAY	\$ 10 PER SQ. FT.	DECK AREA		
<b>WIDENING EXISTING ROADWAY</b>				
		<u>URBAN</u>	<u>RURAL</u>	
2 LANES TO 3 LANES		\$ 4,400,000 PER MILE	\$ 3,300,000 PER MILE	
2 LANES TO 4 LANES		\$ 6,600,000 PER MILE	\$ 5,275,000 PER MILE	
2 LANES TO 4 LANES DIVIDED *		\$ 6,900,000 PER MILE	\$ 6,275,000 PER MILE	
2 LANES TO 5 LANES		\$ 7,250,000 PER MILE	\$ 6,000,000 PER MILE	
2 LANES TO 5 LANES **		N/A	\$ 13,200,000 PER MILE	
3 LANES TO 5 LANES		\$ 6,900,000 PER MILE	\$ 5,250,000 PER MILE	
4 LANES TO 5 LANES		\$ 4,400,000 PER MILE	N/A	
3R WIDENING (2 LANES)		\$ 2,400,000 PER MILE	\$ 1,750,000 PER MILE	
1 ADD'L. INTERSTATE LANE IN EACH DIRECTION W/ MEDIAN WALL		\$ 7,700,000 PER MILE		
1 ADDITIONAL INTERSTATE AUXILIARY LANE (ONE DIRECTION ONLY)			\$ 2,600,000 PER MILE	
<i>* 4 LANE DIVIDED HWY. USING EXISTING LANES AS TWO OF THE LANES      ** IN A FLOODPLAIN WITH BORROW DITCHES EXISTING</i>				
<b>RECONSTRUCTION</b> (NEW DRAINAGE, BASE, SURFACING, MINOR WIDENING)				
		<u>URBAN</u>	<u>RURAL</u>	
NON-FREEWAY		\$ 2,400,000 PER LANE MILE	\$ 2,100,000 PER LANE MILE	
FREEWAY (BOND ISSUE JOBS) (NO BRIDGES)	\$ 2,100,000 PER LANE MILE	(RUBBLIZE & OVERLAY)		
	\$ 3,200,000 PER LANE MILE	(FULL DEPTH RECONSTRUCTION)		
	\$ 350,000 PER LANE MILE	(2" OVERLAY - NO BRIDGES)		
	\$ 250,000 PER LANE MILE	(2" COLD MILLING & OVERLAY)		
	\$ 550,000 PER LANE MILE	(2" COLDING MILLING & OVERLAY WITH 2" OVERLAY (4" ACHM TOTAL))		
	\$ 1,600,000 PER LANE MILE	(CONCRETE OVERLAY)		
<b>FREEWAY PATCHING &amp; REHABILITATION</b> (FULL DEPTH PATCHING, MINOR DRAINAGE & BASE REPAIRS, SHOULDER REPAIR, CLEAN & FILL JOINTS, ETC.)				
	\$ 285,000 PER LANE MILE			
<b>PAVEMENT FRICTION PROJECTS</b>				
	\$ 200,000 PER LANE MILE			
<b>SLIDE REPAIRS</b>				
ROCK BUTTRESS	\$ 9,500,000 PER MILE			
SOIL NAIL WALL	\$ 5,900,000 PER MILE			
DRILLED RAIL WALL	\$ 9,400,000 PER MILE			
<b>OVERLAYS</b> (11 - 12 FOOT LANES, AVERAGE ACHM DEPTH = 2")				
		<u>PG 64-22</u>	<u>PG 70-22</u>	<u>PG 76-22</u>
ACHM OVERLAYS (PER LANE MILE)		\$156,000	\$162,000	\$168,000
COLD MILLING (ADD TO OVERLAY) (PER LANE MILE)		\$65,000		
		<u>SINGLE</u>	<u>DOUBLE</u>	
ASPHALT SURFACE TREATMENT (PER LANE MILE)		\$22,000	\$35,000	
ULTRATHIN BONDED WEARING COURSE (5/8") (PER LANE MILE)		\$130,000		
HIGH FRICTION SURFACE TREATMENT (PER LANE MILE)		\$235,000		
FOG SEAL (PER LANE MILE)		\$20,000		
MICROSURFACING (PER LANE MILE)		\$95,000		
<b>PHASE WORK BREAKOUTS</b>				
(USE WHEN PROJECTS WILL BE DONE IN PHASES OR PARTS OF A PROJECT ARE COMPLETE AND ADDITIONAL WORK IS BEING PROGRAMMED: PAVE GRAVEL ROAD, PLACE BASE & SURFACING, ETC.)				
<b>GRADING AND DRAINAGE</b> (NO STRUCTURES, BASE OR SURFACING - NEW LOCATIONS)				
		<u>MOUNTAINOUS AREAS</u>		<u>OTHER AREAS</u>
FREEWAY & PRIMARY	\$ 2,200,000 PER LANE MILE			\$ 1,600,000 PER LANE MILE
OTHER ROADS	\$ 1,500,000 PER LANE MILE			\$ 1,250,000 PER LANE MILE
<b>SURFACING</b> (INCLUDES BASE & SHOULDERS ON NEW LOCATION. INCLUDES BASE PREPARATION, DRAINAGE & MINOR WIDENING ON EXISTING GRAVEL ROADS)				
		<u>PG 64-22</u>	<u>PG 70-22 &amp; PG 76-22 &amp; CONCRETE LANES</u>	
FREEWAY & PRIMARY	\$ 1,000,000 PER LANE MILE		\$ 1,500,000 PER LANE MILE	
		<u>PG 64-22</u>	<u>DOUBLE A.S.T.</u>	
OTHER ROADS	\$ 900,000 PER LANE MILE		\$ 800,000 PER LANE MILE	
<b>CABLE BARRIER PROJECTS</b>				
	\$ 335,000 PER MILE			
<b>SIGNALS</b>				
		\$ 315,000 PER INTERSECTION		
<b>SHOULDER WIDENING (ADDING SHOULDERS IN BOTH DIRECTIONS)</b>				
2' SHOULDER	\$ 100,000 PER MILE			
4' SHOULDER	\$ 140,000 PER MILE			
<b>SIGNALS WITH RADIUS IMPROVEMENTS</b>				
		\$ 450,000 PER INTERSECTION		
<b>SIGNALS WITH ADDED CAPACITY IMPROVEMENTS</b>				
		\$ 1,700,000 PER INTERSECTION		
<b>WIDENING FOR GUARDRAIL (SAFETY IMPROVEMENTS ONLY)</b>				
	\$ 110 PER LIN. FT.			
<b>GUARDRAIL REPLACEMENT (SAFETY IMPROVEMENTS ONLY)</b>				
LENGTH INCLUDES TERMINALS AND THRIE BEAMS	\$ 72 PER LIN. FT.			
<b>ROUNDABOUTS</b>				
		\$ 1,900,000 PER LANE ON MAJOR MOVEMENT		
<b>INTERCHANGES</b> (DIAMOND LAYOUT)				
		ADDED TO EXISTING		\$ 13,000,000 EACH
		NEW ROUTE		\$ 8,000,000 EACH
<b>SIDEPATH (6' BERM, 10' PATH)</b>				
	\$ 260,000 PER MILE			
<b>SHORING</b> (AREA OF EXPOSED FACE)				
	\$ 85 PER SQ. FT.			