

ESTIMATED COSTS PER MILE

(REVISED DECEMBER 2023)

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.

NEW ROADS (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	\$ 14,200,000	\$ 16,800,000	\$ 11,200,000	
1 LANE RAMP	N/A	N/A	\$ 5,300,000	
5 LANE	\$ 10,700,000	\$ 9,700,000	\$ 8,400,000	
4 LANE	\$ 8,800,000	N/A	N/A	
4 LANE DIVIDED ARTERIAL	\$ 10,400,000	\$ 11,200,000	\$ 8,400,000	
4 LANE DIVIDED ARTERIAL *	N/A	N/A	\$ 17,400,000	
2 LANE ARTERIAL	\$ 5,000,000	\$ 4,800,000	\$ 4,400,000	
2 LANE COLLECTOR	\$ 3,700,000	\$ 3,700,000	\$ 3,500,000	
<i>* IN A FLOODPLAIN WITH BORROW DITCHES</i>				
APPROACHES FOR STRS. & APPRS. PROJECTS (WITHOUT BRIDGE QUANTITIES) PER MILE				
<u>ROAD TYPE</u>	<u>URBAN</u>	<u>RURAL-MOUNTAINS</u>	<u>RURAL-OTHER</u>	
NEW 2 LANE ARTERIAL	\$ 11,000,000	\$ 9,600,000	\$ 8,700,000	
NEW 2 LANE COLLECTOR	N/A	\$ 8,400,000	\$ 7,000,000	
	<u>URBAN</u>			
2 LANES TO 4 LANES	\$12,500,000	<u>RURAL</u>		
2 LANES TO 5 LANES	\$12,900,000	N/A		
3R WIDENING (2 LANES)	\$3,900,000	\$ 9,500,000		
DETOUR	N/A	\$ 3,000,000		
		\$ 3,000,000		
BRIDGES AND BOX CULVERTS (DOES NOT INCLUDE APPROACH ROADS. USE SQ. FT. OF FINAL STRUCTURE.)				
NEW BRIDGE (ON-NHS)	\$ 340 PER SQ. FT.	DECK AREA (CONTACT BRIDGE DIVISION IN SEISMIC AREAS)		
NEW BRIDGE (OFF-NHS)	\$ 300 PER SQ. FT.	DECK AREA (CONTACT BRIDGE DIVISION IN SEISMIC AREAS)		
WIDEN EXISTING BRIDGE	\$ 325 PER SQ. FT.	OF NEW DECK AREA (OLD DECK RETAINED)		
REPLACE EXISTING DECK	\$ 110 PER SQ. FT.	DECK AREA (NO NEW SUBSTRUCTURE)		
REMOVAL OF BRIDGE	\$ 30 PER SQ. FT.	DECK AREA		
BOX CULVERT	\$ 185 PER SQ. FT.	BOX TOP AREA		
DETOUR BRIDGES	\$ 215 PER SQ. FT.	DECK AREA (CONTACT BRIDGE DIVISION IN SEISMIC AREAS)		
HYDRODEMOLITION	\$ 56 PER SQ. FT.	DECK AREA		
POLYMER OVERLAY	\$ 10 PER SQ. FT.	DECK AREA		
WIDENING EXISTING ROADWAY				
		<u>URBAN</u>		<u>RURAL</u>
2 LANES TO 3 LANES	\$ 4,800,000	PER MILE	\$ 3,600,000	PER MILE
2 LANES TO 4 LANES	\$ 7,200,000	PER MILE	\$ 5,800,000	PER MILE
2 LANES TO 4 LANES DIVIDED *	\$ 7,500,000	PER MILE	\$ 6,900,000	PER MILE
2 LANES TO 5 LANES	\$ 7,900,000	PER MILE	\$ 6,600,000	PER MILE
2 LANES TO 5 LANES **		N/A	\$ 14,400,000	PER MILE
3 LANES TO 5 LANES	\$ 7,500,000	PER MILE	\$ 5,700,000	PER MILE
4 LANES TO 5 LANES	\$ 4,800,000	PER MILE		N/A
3R WIDENING (2 LANES)	\$ 2,600,000	PER MILE	\$ 1,900,000	PER MILE
1 ADDITIONAL INTERSTATE LANE IN EACH DIRECTION W/ MEDIAN WALL	\$ 8,400,000	PER MILE		
1 ADDITIONAL INTERSTATE AUXILIARY LANE (ONE DIRECTION ONLY)			\$ 2,800,000	PER MILE
<i>* 4 LANE DIVIDED HWY. USING EXISTING LANES AS TWO OF THE LANES ** IN A FLOODPLAIN WITH EXISTING BORROW DITCHES</i>				
RECONSTRUCTION (NEW DRAINAGE, BASE, SURFACING, MINOR WIDENING)				
NON-FREEWAY	\$ 2,600,000	PER LANE MILE	\$ 2,300,000	PER LANE MILE
FREEWAY (BOND ISSUE JOBS) (NO BRIDGES)	\$ 2,300,000	PER LANE MILE	(RUBBLIZE & OVERLAY)	
	\$ 3,500,000	PER LANE MILE	(FULL DEPTH RECONSTRUCTION)	
	\$ 380,000	PER LANE MILE	(2" OVERLAY - NO BRIDGES)	
	\$ 270,000	PER LANE MILE	(2" COLD MILLING & OVERLAY)	
	\$ 600,000	PER LANE MILE	(2" COLD MILLING & OVERLAY WITH 2" OVERLAY (4" ACHM TOTAL))	
	\$ 1,750,000	PER LANE MILE	(CONCRETE OVERLAY)	
FREEWAY PATCHING & REHABILITATION (FULL DEPTH PATCHING, MINOR DRAINAGE & BASE REPAIRS, SHOULDER REPAIR, CLEAN & FILL JOINTS, ETC.)				
	\$ 310,000	PER LANE MILE		
PAVEMENT FRICTION PROJECTS				
	\$ 218,000	PER LANE MILE		
SLIDE REPAIRS				
ROCK BUTTRESS	\$ 9,500,000	PER MILE		
SOIL NAIL WALL	\$ 6,000,000	PER MILE		
DRILLED RAIL WALL	\$ 9,700,000	PER MILE		
OVERLAYS (11 - 12 FOOT LANES, AVERAGE ACHM DEPTH = 2")				
ACHM OVERLAYS	(PER LANE MILE)	<u>PG 64-22</u> \$170,000	<u>PG 70-22</u> \$190,000	<u>PG 76-22</u> \$220,000
COLD MILLING (ADD TO OVERLAY)	(PER LANE MILE)	\$60,000		
ASPHALT SURFACE TREATMENT	(PER LANE MILE)	<u>SINGLE</u> \$25,000	<u>DOUBLE</u> \$40,000	
ULTRATHIN BONDED WEARING COURSE	(PER LANE MILE)	\$135,000		
HIGH FRICTION SURFACE TREATMENT	(PER LANE MILE)	\$240,000		
FOG SEAL	(PER LANE MILE)	\$20,500		
MICROSURFACING	(PER LANE MILE)	\$97,000		
PHASE WORK BREAKOUTS (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.)				
GRADING AND DRAINAGE (NO STRUCTURES, BASE OR SURFACING - NEW LOCATIONS)				
		<u>MOUNTAINOUS AREAS</u>		<u>OTHER AREAS</u>
FREEWAY & PRIMARY	\$ 2,400,000	PER LANE MILE	\$ 1,750,000	PER LANE MILE
OTHER ROADS	\$ 1,625,000	PER LANE MILE	\$ 1,360,000	PER LANE MILE
SURFACING (INCLUDES BASE & SHOULDERS ON NEW LOCATION. INCLUDES BASE PREPARATION, DRAINAGE & MINOR WIDENING ON EXISTING GRAVEL ROADS)				
FREEWAY & PRIMARY	\$ 1,090,000	<u>PG 64-22</u> PER LANE MILE	<u>PG 70-22 & PG 76-22 & CONCRETE LANES</u> \$ 1,635,000 PER LANE MILE	
OTHER ROADS	\$ 980,000	<u>PG 64-22</u> PER LANE MILE	<u>DOUBLE A.S.T.</u> \$ 870,000 PER LANE MILE	
CABLE BARRIER PROJECTS				
	\$ 425,000	PER MILE	TRAFFIC SIGNAL \$ 420,000 PER INTERSECTION	
SHOULDER WIDENING (ADDING SHOULDERS IN BOTH DIRECTIONS)				
2' SHOULDER	\$ 110,000	PER MILE	TRAFFIC SIGNAL WITH TEMPORARY SIGNAL \$ 590,000 PER INTERSECTION	
4' SHOULDER	\$ 152,000	PER MILE	TRAFFIC SIGNAL WITH RADIUS IMPROVEMENTS \$ 550,000 PER INTERSECTION	
WIDENING FOR GUARDRAIL (SAFETY IMPROVEMENTS ONLY)				
	\$ 110	PER LIN. FT.	TRAFFIC SIGNAL WITH ADDED CAPACITY IMPROVEMENTS \$ 1,800,000 PER INTERSECTION	
GUARDRAIL REPLACEMENT (SAFETY IMPROVEMENTS ONLY) LENGTH INCLUDES TERMINALS AND THRIE BEAMS				
	\$ 72	PER LIN. FT.	ROUNDBABOUTS \$ 2,100,000 PER LANE ON MAJOR MOVEMENT	
SIDEPATH (6' BERM, 10' PATH)				
	\$ 285,000	PER MILE	INTERCHANGES (DIAMOND LAYOUT)	
			ADDED TO EXISTING	\$ 14,200,000 EACH
			NEW ROUTE	\$ 8,700,000 EACH
SHORING (AREA OF EXPOSED FACE)				
	\$ 100	PER SQ. FT.		