

ESTIMATED COSTS PER MILE

(REVISED DECEMBER 2021)

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 JENNIFER HARRIS AT 501-569-2339 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	\$ 12,000,000	\$ 14,000,000	\$ 9,400,000
1 LANE RAMP	N/A	N/A	\$ 4,400,000
5 LANE	\$ 8,900,000	\$ 8,100,000	\$ 7,000,000
4 LANE	\$ 7,400,000	N/A	N/A
4 LANE DIVIDED ARTERIAL	\$ 8,700,000	\$ 9,400,000	\$ 7,000,000
4 LANE DIVIDED ARTERIAL *	N/A	N/A	\$ 15,000,000
2 LANE ARTERIAL	\$ 4,200,000	\$ 4,000,000	\$ 3,600,000
2 LANE COLLECTOR	\$ 3,100,000	\$ 3,100,000	\$ 2,900,000
<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	\$ 9,200,000	\$ 8,000,000	\$ 7,300,000
NEW 2 LANE COLLECTOR	N/A	\$ 7,000,000	\$ 5,800,000
<u>ROAD TYPE</u>	<u>URBAN</u>	<u>RURAL</u>	<u>RURAL-OTHER</u>
2 LANES TO 4 LANES	\$10,500,000	N/A	N/A
2 LANES TO 5 LANES	\$10,800,000	N/A	\$ 7,900,000
3R WIDENING (2 LANES)	\$3,300,000	N/A	\$ 2,500,000
DETOUR	N/A	N/A	\$ 700,000
BRIDGES AND BOX CULVERTS (DOES NOT INCLUDE APPROACH ROADS. USE SQ. FT. OF FINAL STRUCTURE.)			
NEW BRIDGE (ON-NHS)	\$ 195 PER SQ. FT.	DECK AREA (CONTACT BRIDGE DIVISION IN SEISMIC AREAS)	
NEW BRIDGE (OFF-NHS)	\$ 190 PER SQ. FT.	DECK AREA (CONTACT BRIDGE DIVISION IN SEISMIC AREAS)	
WIDEN EXISTING BRIDGE	\$ 240 PER SQ. FT.	OF NEW DECK AREA (OLD DECK RETAINED)	
REPLACE EXISTING DECK	\$ 80 PER SQ. FT.	DECK AREA (NO NEW SUBSTRUCTURE)	
REMOVAL OF BRIDGE	\$ 22 PER SQ. FT.	DECK AREA	
BOX CULVERT	\$ 118 PER SQ. FT.	BOX TOP AREA	
DETOUR BRIDGES	\$ 165 PER SQ. FT.	(MORE IN SEISMIC AREAS)	
HYDRODEMOLITION	\$ 52 PER SQ. FT.	DECK AREA	
POLYMER OVERLAY	\$ 9 PER SQ. FT.	DECK AREA	
WIDENING EXISTING ROADWAY			
	<u>URBAN</u>	<u>RURAL</u>	
2 LANES TO 3 LANES	\$ 4,000,000 PER MILE	\$ 3,000,000 PER MILE	
2 LANES TO 4 LANES	\$ 6,000,000 PER MILE	\$ 4,800,000 PER MILE	
2 LANES TO 4 LANES DIVIDED *	\$ 6,300,000 PER MILE	\$ 5,700,000 PER MILE	
2 LANES TO 5 LANES	\$ 6,600,000 PER MILE	\$ 5,500,000 PER MILE	
2 LANES TO 5 LANES **	N/A	\$ 12,000,000 PER MILE	
3 LANES TO 5 LANES	\$ 6,300,000 PER MILE	\$ 4,800,000 PER MILE	
4 LANES TO 5 LANES	\$ 4,000,000 PER MILE	N/A	
3R WIDENING (2 LANES)	\$ 2,200,000 PER MILE	\$ 1,600,000 PER MILE	
1 ADD'L. INTERSTATE LANE IN EACH DIRECTION W/ MEDIAN WALL	\$ 7,000,000 PER MILE		
1 ADDITIONAL INTERSTATE AUXILIARY LANE (ONE DIRECTION ONLY)			\$ 2,400,000 PER MILE
<i>* 4 LANE DIVIDED HWY. USING EXISTING LANES AS TWO OF THE LANES ** IN A FLOODPLAIN WITH BORROW DITCHES EXISTING</i>			
RECONSTRUCTION (NEW DRAINAGE, BASE, SURFACING, MINOR WIDENING)			
	<u>URBAN</u>	<u>RURAL</u>	
NON-FREEWAY	\$ 2,200,000 PER LANE MILE	\$ 1,900,000 PER LANE MILE	
FREEWAY (BOND ISSUE JOBS) (NO BRIDGES)	\$ 2,000,000 PER LANE MILE	(RUBBLIZE & OVERLAY)	
	\$ 3,000,000 PER LANE MILE	(FULL DEPTH RECONSTRUCTION)	
	\$ 300,000 PER LANE MILE	(2" OVERLAY - NO BRIDGES)	
	\$ 215,000 PER LANE MILE	(2" COLD MILLING & OVERLAY)	
	\$ 525,000 PER LANE MILE	(2" COLDING MILLING & OVERLAY WITH 2" OVERLAY (4" ACHM TOTAL))	
	\$ 1,600,000 PER LANE MILE	(CONCRETE OVERLAY)	
FREEWAY PATCHING & REHABILITATION (FULL DEPTH PATCHING, MINOR DRAINAGE & BASE REPAIRS, SHOULDER REPAIR, CLEAN & FILL JOINTS, ETC.)			
	\$ 250,000 PER LANE MILE		
PAVEMENT FRICTION PROJECTS			
	\$ 180,000 PER LANE MILE		
SLIDE REPAIRS			
ROCK BUTTRESS	\$ 9,400,000 PER MILE		
SOIL NAIL WALL	\$ 5,800,000 PER MILE		
DRILLED RAIL WALL	\$ 9,300,000 PER MILE		
OVERLAYS (11 - 12 FOOT LANES, AVERAGE ACHM DEPTH = 2")			
		<u>PG 64-22</u>	<u>PG 70-22</u>
ACHM OVERLAYS (PER LANE MILE)		\$140,000	\$145,000
COLD MILLING (ADD TO OVERLAY) (PER LANE MILE)		\$60,000	\$150,000
		<u>SINGLE</u>	<u>DOUBLE</u>
ASPHALT SURFACE TREATMENT (PER LANE MILE)		\$20,000	\$30,000
ULTRATHIN BONDED WEARING COURSE (5/8") (PER LANE MILE)		\$115,000	
HIGH FRICTION SURFACE TREATMENT (PER LANE MILE)		\$225,000	
FOG SEAL (PER LANE MILE)		\$18,000	
MICROSURFACING (PER LANE MILE)		\$80,000	
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	\$ 2,000,000 PER LANE MILE		\$ 1,500,000 PER LANE MILE
OTHER ROADS	\$ 1,375,000 PER LANE MILE		\$ 1,200,000 PER LANE MILE
SURFACING (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 & PG 76-22 & 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	\$ 850,000 PER LANE MILE		\$ 750,000 PER LANE MILE
CABLE BARRIER PROJECTS		SIGNALS	
	\$ 300,000 PER MILE		\$ 260,000 PER INTERSECTION
SHOULDER WIDENING (ADDING SHOULDERS IN BOTH DIRECTIONS)		SIGNALS WITH RADIUS IMPROVEMENTS	
2' SHOULDER	\$ 95,000 PER MILE		\$ 400,000 PER INTERSECTION
4' SHOULDER	\$ 135,000 PER MILE		
WIDENING FOR GUARDRAIL (SAFETY IMPROVEMENTS ONLY)		SIGNALS WITH ADDED CAPACITY IMPROVEMENTS	
	\$ 100 PER LIN. FT.		\$ 1,600,000 PER INTERSECTION
GUARDRAIL REPLACEMENT (SAFETY IMPROVEMENTS ONLY)		ROUNDABOUTS	
LENGTH INCLUDES TERMINALS AND THREE BEAMS	\$ 70 PER LIN. FT.		\$ 1,750,000 PER LANE ON MAJOR MOVEMENT
BIKE LANES (4' NORMAL)		INTERCHANGES (DIAMOND LAYOUT)	
	\$ 325,000 PER MILE	ADDED TO EXISTING	\$ 13,000,000 EACH
SHORING (AREA OF EXPOSED FACE)		NEW ROUTE	\$ 8,000,000 EACH
	\$ 75 PER SQ. FT.		