

ESTIMATED COSTS PER MILE

(REVISED JULY 2016)

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 2 YEARS AND SHOULD BE ADJUSTED IF YOUR JOB IS OUTSIDE THE ORDINARY SCHEME OF WORK. CALL AMY MARTINOUS AT 2325 FOR ASSISTANCE.

NOTE: CHECK THE LABEL ON THE FIGURE YOU ARE USING. SOME ARE "PER LANE MILE."

NEW ROADS (TURNKEY PROJECTS ON NEW LOCATION WITH "AVERAGE" DRAINAGE WITHOUT BRIDGE QUANTITIES) PER MILE

<u>ROAD TYPE</u>	<u>URBAN AREAS</u>	<u>RURAL-MOUNTAINS</u>	<u>RURAL-OTHER</u>
6 LANE FREEWAY	\$ 11,500,000	N/A	N/A
4 LANE FREEWAY	\$ 8,800,000	\$ 10,400,000	\$ 6,750,000
5 LANE	\$ 6,600,000	\$ 6,050,000	\$ 5,000,000
4 LANE	\$ 5,525,000	N/A	N/A
4 LANE DIVIDED	\$ 6,500,000	\$ 6,800,000	\$ 5,225,000
4 LANE ARTERIAL*	N/A	N/A	\$ 11,000,000
2 LANE ARTERIAL	\$ 3,375,000	\$ 3,150,000	\$ 2,925,000
2 LANE COLLECTOR	\$ 2,225,000	\$ 2,100,000	\$ 2,000,000

* IN A FLOODPLAIN WITH BORROW DITCHES

BRIDGES AND BOX CULVERTS (DOES NOT INCLUDE APPROACH ROADS. USE SQ. FT. OF FINAL STRUCTURE.)

NEW BRIDGE	\$ 130 PER SQ. FT. DECK AREA (CONTACT BRIDGE DIVISION IN SEISMIC AREAS)
WIDEN EXISTING BRIDGE	\$ 115 PER SQ. FT. DECK AREA (OLD DECK REMOVED & REPLACED)
WIDEN EXISTING BRIDGE	\$ 57 PER SQ. FT. DECK AREA (OLD DECK RETAINED)
REPLACE EXIST. DECK	\$ 67 PER SQ. FT. DECK AREA (NO NEW SUBSTRUCTURE)
REMOVAL OF BRIDGE	\$ 15 PER SQ. FT. DECK AREA
BOX CULVERT	\$ 75 PER SQ. FT. BOX TOP AREA
DETOUR BRIDGES	\$ 75 PER SQ. FT. (MORE IN SEISMIC AREAS)
HYDRODEMOLITION	\$ 35 PER SQ. FT. DECK AREA

WIDENING EXISTING ROADWAY

	<u>URBAN</u>	<u>RURAL</u>
2 LANES TO 3 LANES (PASSING LANES-RURAL)	\$ 3,000,000 PER MILE	\$ 2,250,000 PER MILE
2 LANES TO 4 LANES	\$ 4,450,000 PER MILE	\$ 3,375,000 PER MILE
2 LANES TO 4 LANES DIVIDED*	\$ 4,560,000 PER MILE	\$ 4,125,000 PER MILE
2 LANES TO 5 LANES	\$ 4,725,000 PER MILE	\$ 3,500,000 PER MILE
2 LANES TO 5 LANES**	N/A PER MILE	\$ 8,600,000 PER MILE
3 LANES TO 5 LANES	\$ 4,675,000 PER MILE	\$ 3,000,000 PER MILE
4 LANES TO 5 LANES	\$ 3,150,000 PER MILE	N/A
3R WIDENING (2 LANES)	\$ 1,600,000 PER MILE	\$ 1,125,000 PER MILE

* 4 LANE DIVIDED HWY. USING EXISTING LANES AS TWO OF THE LANES ** IN A FLOODPLAIN WITH BORROW DITCHES EXISTING

RECONSTRUCTION (NEW DRAINAGE, BASE, SURFACING, MINOR WIDENING)

NON-FREEWAY	\$ 1,650,000 PER LANE MILE	\$ 1,500,000 PER LANE MILE
FREEWAY (BOND ISSUE JOBS)	\$ 1,600,000 PER LANE MILE (RUBBLIZE & OVERLAY - NO BRIDGES)	
	\$ 150,000 PER LANE MILE (COLD MILL & INLAY - NO BRIDGES)	
	\$ 1,200,000 PER LANE MILE (CONCRETE OVERLAY - NO BRIDGES)	

FREEWAY PATCHING & REHABILITATION (FULL DEPTH PATCHING, MINOR DRAINAGE & BASE REPAIRS, SHOULDER REPAIR, CLEAN & FILL JOINTS, ETC.)

\$ 200,000 PER LANE MILE

PAVEMENT FRICTION PROJECTS

\$ 130,000 PER LANE MILE

OVERLAYS (11 - 12 FOOT LANES, AVERAGE ACHM DEPTH = 2")

PERFORMANCE GRADE ACHM	\$ 88,000 PER LANE MILE	\$ 98,000 PER LANE MILE
	<u>SINGLE</u>	<u>DOUBLE</u>
ASPHALT SURFACE TREATMENT	\$ 14,500 PER LANE MILE	\$ 17,000 PER LANE MILE

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	\$ 1,500,000 PER LANE MILE	\$ 1,100,000 PER LANE MILE
OTHER ROADS	\$ 1,000,000 PER LANE MILE	\$ 875,000 PER LANE MILE

SURFACING (INCLUDES BASE & SHOULDERS ON NEW LOCATION. INCLUDES BASE PREPARATION, DRAINAGE & MINOR WIDENING ON EXISTING GRAVEL ROADS)

FREEWAY & PRIMARY	\$ 750,000 PER LANE MILE	\$ 1,065,000 PER LANE MILE
	<u>PG 64-22</u>	<u>PG 70-22 & PG 76-22 & CONCRETE LANES</u>
	<u>PG 64-22</u>	<u>DOUBLE A.S.T.</u>
OTHER ROADS	\$ 610,000 PER LANE MILE	\$ 480,000 PER LANE MILE

INTERCHANGES (TRUMPET OR DIAMOND LAYOUT)

ADDED TO EXISTING	\$ 10,000,000 EACH
NEW ROUTE	\$ 6,200,000 EACH

CABLE BARRIER PROJECTS - \$210,000 PER MILE (\$40) PER FT.

BICYCLE LANES (4' ON BOTH SIDES) - \$265,000 PER MILE

SIGNALS

\$ 180,000 PER INTERSECTION

SIGNALS WITH RADIUS IMPROVEMENTS

\$ 285,000 PER INTERSECTION
(FOR ADDL. CAPACITY, USE WIDENING SECTION)