

## ESTIMATED COSTS PER MILE

(REVISED JULY 2014)

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	\$ 10,850,000	N/A	N/A
4 LANE FREEWAY	\$ 8,800,000	\$ 10,400,000	\$ 6,750,000
4 LANE WITH PAINTED MEDIAN	N/A	\$ 5,675,000	\$ 4,725,000
4 LANE UNDIVIDED	\$ 5,525,000	N/A	N/A
4 LANE DIVIDED	\$ 5,675,000	\$ 6,400,000	\$ 4,725,000
4 LANE ARTERIAL*	N/A	N/A	\$ 10,375,000
2 LANE ARTERIAL	\$ 3,175,000	\$ 2,975,000	\$ 2,750,000
2 LANE COLLECTOR	\$ 2,100,000	\$ 1,900,000	\$ 1,700,000

\* IN A FLOODPLAIN WITH BORROW DITCHES

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

NEW BRIDGE	\$ 121 PER SQ. FT. DECK AREA (MORE IN SEISMIC AREAS)
WIDEN EXISTING BRIDGE	\$ 69 PER SQ. FT. DECK AREA (OLD DECK REMOVED & REPLACED)
REPLACE EXIST. DECK	\$ 63 PER SQ. FT. DECK AREA (NO NEW SUBSTRUCTURE)
REMOVAL OF BRIDGE	\$ 15 PER SQ. FT. DECK AREA
BOX CULVERT	\$ 69 PER SQ. FT. BOX TOP AREA
DETOUR BRIDGES	\$ 65 PER SQ. FT. (MORE IN SEISMIC AREAS)
HYDRODEMOLITION	\$ 35 PER SQ. FT. DECK AREA

**WIDENING EXISTING ROADWAY** URBAN RURAL

2 LANES TO 3 LANES (PASSING LANES-RURAL)	\$ 3,450,000 PER MILE	\$ 1,850,000 PER MILE
2 LANES TO 4 LANES	\$ 4,450,000 PER MILE	\$ 3,175,000 PER MILE
2 LANES TO 4 LANES DIVIDED*	\$ 4,560,000 PER MILE	\$ 3,875,000 PER MILE
2 LANES TO 5 LANES	\$ 4,725,000 PER MILE	\$ 3,375,000 PER MILE
2 LANES TO 5 LANES**	N/A PER MILE	\$ 8,075,000 PER MILE
3 LANES TO 5 LANES	\$ 4,675,000 PER MILE	N/A
4 LANES TO 5 LANES	\$ 3,150,000 PER MILE	N/A
3R WIDENING (2 LANES)	\$ 1,500,000 PER MILE	\$ 1,050,000 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.)

\$ 895,000 PER LANE MILE

**FREEWAY PAVEMENT FRICTION PROJECTS**

\$ 65,000 PER LANE MILE

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

	<u>PG 64-22</u>	<u>PG 70-22 &amp; PG 76-22</u>
	<u>SINGLE</u>	<u>DOUBLE</u>
PERFORMANCE GRADE ACHM	\$ 88,000 PER LANE MILE	\$ 93,000 PER LANE MILE
ASPHALT SURFACE TREATMENT	\$ 13,500 PER LANE MILE	\$ 16,000 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	\$ 1,425,000 PER LANE MILE	\$ 1,025,000 PER LANE MILE
OTHER ROADS	\$ 950,000 PER LANE MILE	\$ 815,000 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 &amp; PG 76-22 &amp; CONCRETE LANES</u>
	<u>PG 64-22</u>	<u>DOUBLE A.S.T.</u>
FREEWAY & PRIMARY	\$ 700,000 PER LANE MILE	\$ 1,000,000 PER LANE MILE
OTHER ROADS	\$ 570,000 PER LANE MILE	\$ 450,000 PER LANE MILE

<b><u>INTERCHANGES</u></b> (TRUMPET OR DIAMOND LAYOUT)	
ADDED TO EXISTING	\$ 9,450,000 EACH
NEW ROUTE	\$ 5,850,000 EACH

<b><u>SIGNALS</u></b>
\$ 180,000 PER INTERSECTION

**CABLE BARRIER PROJECTS** - \$190,000 PER MILE (\$36) PER FT.

**SIGNALS WITH RADIUS IMPROVEMENTS**

\$ 280,000 PER INTERSECTION

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

(FOR ADD'L. CAPACITY, USE WIDENING SECTION)