

ESTIMATED COSTS PER MILE

(REVISED JULY 2005)

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 KING AT 2525 FOR ASSISTANCE.**

NOTES: CHECK THE LABEL ON THE FIGURE YOU ARE USING. SOME ARE "PER LANE MILE."
ESTIMATES ARE "CONSTRUCTION COST" ONLY; ADD 15% FOR ENGINEERING & OTHER COSTS
TO ESTIMATE THE "TOTAL" COST OF A PROJECT.

NEW ROADS (TURNKEY PROJECTS ON NEW LOCATION WITH "AVERAGE" DRAINAGE AND BRIDGE QUANTITIES)

<u>ROAD TYPE</u>	<u>URBAN AREAS</u>	<u>RURAL-MOUNTAINS</u>	<u>RURAL-OTHER</u>
6 LANE FREEWAY	\$ 8,800,000	N/A	N/A
4 LANE FREEWAY	\$ 7,150,000	\$ 8,500,000	\$ 5,500,000
4 LANE ARTERIAL	\$ 4,400,000	\$ 5,000,000	\$ 3,500,000
2 LANE ARTERIAL	\$ 2,475,000	\$ 2,250,000	\$ 2,100,000
2 LANE COLLECTOR	\$ 1,375,000	\$ 1,000,000	\$ 1,000,000

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

HEAVY BRIDGES (NEW)	\$ 90 PER SQ. FT. DECK AREA
NORMAL BRIDGES (NEW)	\$ 76 PER SQ. FT. DECK AREA
WIDEN EXISTING BRIDGE	\$ 55 PER SQ. FT. DECK AREA (OLD DECK REMOVED & REPLACED)
REPLACE EXIST. DECK	\$ 52 PER SQ. FT. DECK AREA (NO NEW SUBSTRUCTURE)
REMOVAL OF BRIDGE	\$ 10 PER SQ. FT. DECK AREA
BOX CULVERT	\$ 52 PER SQ. FT. BOX TOP AREA
DETOUR BRIDGES	\$ 50 PER SQ. FT. (MORE IN SEISMIC AREAS)

WIDENING EXISTING ROADWAY

	<u>URBAN</u>	<u>RURAL</u>
2 LANES TO 3 LANES (PASSING LANES-RURAL)	\$ 2,800,000 PER MILE	\$ 1,400,000 PER MILE
2 LANES TO 4 LANES	\$ 3,200,000 PER MILE	\$ 2,000,000 PER MILE
2 LANES TO 5 LANES	\$ 3,750,000 PER MILE	\$ 2,300,000 PER MILE
3 LANES TO 5 LANES	\$ 3,500,000 PER MILE	N/A
4 LANES TO 5 LANES	\$ 2,200,000 PER MILE	N/A

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

NON-FREEWAY	\$ 800,000 PER LANE MILE	\$ 500,000 PER LANE MILE
FREEWAY (BOND ISSUE JOBS)	\$ 1,000,000 PER LANE MILE (INCLUDES NEW SUPERSTRUCTURES ON BRIDGES)	
	\$ 600,000 PER LANE MILE (RUBBLIZE & OVERLAY OR COLD MILL & OVERLAY- NO BRIDGES)	

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

\$ 650,000 PER LANE MILE

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

	<u>PG 64-22</u>	<u>PG 70-22</u>
PERFORMANCE GRADE ACHM	\$ 63,000 PER LANE MILE	\$ 71,000 PER LANE MILE
	<u>SINGLE</u>	<u>DOUBLE</u>
ASPHALT SURFACE TREATMENT	\$ 9,000 PER LANE MILE	\$ 12,000 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	\$ 1,000,000 PER LANE MILE	\$ 850,000 PER LANE MILE
OTHER ROADS	\$ 750,000 PER LANE MILE	\$ 640,000 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</u>
FREEWAY & PRIMARY	\$ 500,000 PER LANE MILE	\$ 700,000 PER LANE MILE
	<u>PG 64-22</u>	<u>DOUBLE A.S.T.</u>
OTHER ROADS	\$ 450,000 PER LANE MILE	\$ 350,000 PER LANE MILE

INTERCHANGES (TRUMPET OR DIAMOND LAYOUT)

		<u>SIGNALS</u>
ADDED TO EXISTING	\$ 6,200,000 EACH	\$ 115,000 PER INTERSECTION
NEW ROUTE	\$ 4,500,000 EACH	\$ 500,000 WITH INTERSECTION IMPROVEMENTS