

**UPPER BENCH AREA
2007 ROADWAY CAPITAL IMPROVEMENT
PROGRAM COST ESTIMATE**



**ADOPTED BY GEM COUNTY
BOARD OF COUNTY COMMISSIONERS**

October 2007

Exhibit A

UPPER BENCH AREA

2007 ROADWAY CAPITAL IMPROVEMENT PROGRAM

COST ESTIMATE

Location: Upper Bench Area

Study Boundary:

- North: Payette County Line
- South: Black Canyon Highway/ Payette River
- West: Payette County Line
- East: Mesa Ave extended North to Payette County Line

Roadway Engineering/Construction Costs

<u>Classification</u>	<u>Length</u>	<u>Cost/Mile</u>	<u>Total</u>
Local	14.83 Miles	\$760,000	\$11,270,800
Minor Collector	6.10 Miles	\$950,000	\$5,795,000
Major Collector	2.00 Miles	\$1,300,000	\$2,600,000
Major Collector (1/2) ¹	1.83 Miles	\$650,000	\$1,189,500
Sub Total			\$20,855,300

Intersection Improvement Costs

<u>Location</u>	<u>Cost</u>
Black Canyon Hwy and Hanna Ave (1/2) ¹	\$125,000
Replace bridge across canal (1 ea. @ \$500,000)	\$500,000
Sub Total	\$625,000

Right of Way Costs

Right of Way acquisition: 63.37 acres @ \$40,000/acre \$2,534,800

Other

Share of CIP Study Fee \$2,000

Capital Improvement Cost Total \$24,017,100

Based on a combined capacity of 19,250 vpd level of service threshold, cost per vehicle trip = \$1,248.

For a typical single family residential development (9 trips/lot), **cost per lot = \$11,232.**

Note: Assumes 1 major collector outlet at 8,500 vpd, 1 minor collector outlet at 6,500 vpd and ½ major collector outlet¹ at 4,250 vpd for a total of 19,250 vpd.

¹ Shared with Lower Bench CIP Area

Exhibit B
UPPER BENCH AREA
2007 ROADWAY CAPITAL IMPROVEMENT PROGRAM
MAP OF CIP AREA

