

**LOWER BENCH AREA
2013 ROADWAY CAPITAL IMPROVEMENT
PROGRAM COST ESTIMATE**



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

March 2013

Exhibit A

LOWER BENCH AREA

2013 ROADWAY CAPITAL IMPROVEMENT PROGRAM

COST ESTIMATE

Location: Lower Bench Area

Study Boundary:

- North: Black Canyon Highway
- South: Payette River
- West: Payette River
- East: Payette River

Roadway Engineering/Construction Costs

<u>Classification</u>	<u>Length</u>	<u>Cost/Mile</u>	<u>Total</u>
Local	15.18 Miles	\$760,000	\$11,536,800
Minor Collector	11.12 Miles	\$950,000	\$10,564,000
Major Collector (1/2) ¹	5.64 Miles	\$650,000	\$3,666,000
		Sub Total	<u>\$25,766,800</u>

Intersection Improvement Costs

<u>Location</u>	<u>Cost</u>
Black Canyon Hwy and Hanna Ave (1/2) ¹	\$125,000

Right of Way Costs

Right of Way acquisition: 75.93 acres @ \$21,500/acre \$1,632,495

Capital Improvement Cost Total \$27,524,295

Based on a combined capacity of 23,750 vpd level of service threshold, cost per vehicle trip = \$1,159.

For a typical single family residential development (9 trips/lot), **cost per lot = \$10,431.**
70% amount = \$7,302

Note: Assumes ½ major outlet¹ at 4,250 vpd and 3 minor outlets at 6,500 vpd each, for a total of 23,750 vpd.

¹ Shared with Upper Bench and Van Duesen CIP Area's

Exhibit B
LOWER BENCH AREA
2013 ROADWAY CAPITAL IMPROVEMENT PROGRAM
MAP OF CIP AREA

