

**DEWEY AREA
2007 ROADWAY CAPITAL IMPROVEMENT
PROGRAM COST ESTIMATE**



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

October 2007

Exhibit A

DEWEY AREA

2007 ROADWAY CAPITAL IMPROVEMENT PROGRAM COST ESTIMATE

Location: Dewey Area

Study Boundary:

- North: Payette River
- South: Canyon County Line
- West: Payette County Line
- East: 1-mile West of and parallel to Little Freezeout Road to Canyon County Line

Roadway Engineering/Construction Costs

<u>Classification</u>	<u>Length</u>	<u>Cost/Mile</u>	<u>Total</u>
Local	23.32 Miles	\$760,000	\$17,723,200
Minor Collector	4.0 Miles	\$950,000	\$3,800,000
Arterial (Dewey Rd)	3.5 Miles	\$2,400,000	\$8,400,000
		Sub Total	\$29,923,200

Intersection Improvement Costs (unsignalized)

<u>Location</u>	<u>Cost</u>
SH- 52 and Dewey Road	\$250,000

Structure Cost

<u>Location</u>	<u>Cost</u>
Structure Across Black Canyon Canal	\$2,314,000

Right of Way Costs

Right of Way acquisition: 97.96 acres @ \$50,000/acre	\$4,898,000
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Other

Share of CIP Study Fee	\$3,100
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Capital Improvement Cost Total \$37,388,300

Based on a combined capacity of 40,500 vpd level of service threshold, cost per vehicle trip = \$923.

For a typical single family residential development (9 trips/lot), **cost per lot = \$8,307.**

Note: Assumes 2 arterial outlets at 17,000 vpd each and 1 minor outlet at 6500 vpd, for a total of 40,500 vpd.

Exhibit B
DEWEY AREA
2007 ROADWAY CAPITAL IMPROVEMENT PROGRAM
MAP OF CIP AREA

