

**SHALEROCK AREA
2013 ROADWAY CAPITAL IMPROVEMENT
PROGRAM COST ESTIMATE**



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

March 2013

Exhibit A

SHALEROCK AREA

2013 ROADWAY CAPITAL IMPROVEMENT PROGRAM

COST ESTIMATE

Location: Shaleroch Area

Study Boundary:

- North: State Highway 52
- South: 1-mile South of and Parallel to Shaleroch Road extended to State Highway 16
- West: City of Emmett and Payette River
- East: Boise County Line

Roadway Engineering/Construction Costs

<u>Classification</u>	<u>Length</u>	<u>Cost/Mile</u>	<u>Total</u>
Local	9.21 Miles	\$760,000	\$6,999,600
Minor Collector	7.32 Miles	\$950,000	\$6,954,000
Major Collector	5.21 Miles	\$1,300,000	\$6,773,000
		Sub Total	<u>\$20,726,600</u>

Intersection Improvement Costs

<u>Location</u>	<u>Cost</u>
SH-52 and Montour Rd (1/2) ¹	\$125,000
SH-52 and Old Dam Rd	\$250,000
	Sub Total <u>\$375,000</u>

Right of Way Costs

Right of Way acquisition: 69.36 acres @ \$24,000/acre \$1,664,640

Capital Improvement Cost Total \$22,766,440

Based on a combined capacity of 25,500 vpd level of service threshold, cost per vehicle trip = \$893.

For a typical single family residential development (9 trips/lot), **cost per lot = \$8,037.**
70% amount= \$5,626

Note: Assumes 3 major collector outlets at 8,500 vpd each, for a total of 25,500 vpd.

¹ Intersection costs split with Sweet CIP Area

Exhibit B
SHALEROCK AREA
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MAP OF CIP AREA

