

# PRODUCT COST ANALYSIS

**Comparison:**  
**PolyCom treatment of 10km Road –**  
*6m width, 100mm depth*  
**Vs**  
**Gravel Re-Sheeting of 10km Road-**  
*6m width, 75mm depth.*

### Introduction:

This scenario is the result of data collected on unsealed road treatment over a 5 year period.

Results represent achievable savings by using PolyCom Stabilising Aid at 100mm depth instead of gravel re-sheeting at 75mm depth on a 10km road of 6m width.

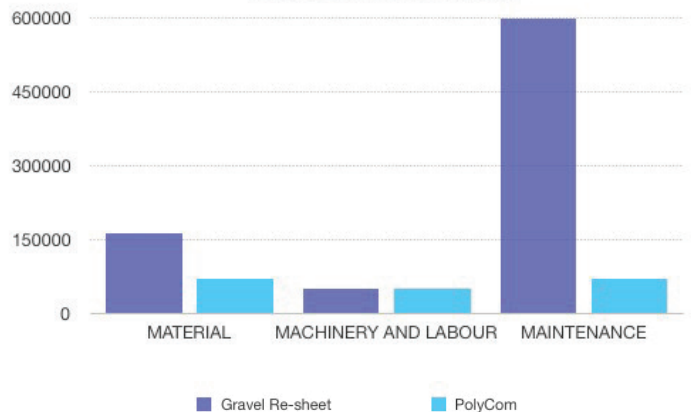
### Assumptions:

- ♦ All dollar values are in Australian dollars and are GST exclusive.
- ♦ Machinery labour and traffic control are included in a cost per day figure of \$5,000.
- ♦ Maintenance grade for 10km is \$30,000 per event per year, by 4 times per year.
- ♦ Gravel cost is based on \$18 per ton landed on site.
- ♦ 900 ton of gravel is required per kilometer.
- ♦ One truck load is 28 ton with a round trip haul distance of 40 kilometers.
- ♦ The PolyCom method requires no gravel to be added.
- ♦ Production of 1 kilometer per day for crew for both methods initially unless specified.

### COST COMPARISON

RE-SHEET METHOD	
Gravel cost 9000 ton by \$18	\$162,000
Labour and machinery cost	\$50,000
Maintenance grading 5yrs X 4 per year	\$600,000
TOTAL:	\$812,000
POLYCOM METHOD	
Initial installation of PolyCom 10km by 100mm depth product cost (120 Bottles)	\$84,000
Labour and Machinery Cost	\$50,000
Maintenance Grading 5yrs by 1 per year	\$120,000
PolyCom product cost for 10% PolyCom top-up for maintenance grading 5 years by 1 per year	\$33,600
TOTAL:	\$287,600
<b>POLYCOM METHOD SAVINGS</b>	<b>\$524,400</b>

COMPARATIVE COST ANALYSIS: POLYCOM VS RE-SHEET OVER PERIOD OF 5 YEARS



# BENEFITS OF POLYCOM TREATMENT

- ♦ On average, 50% less dust.
- ♦ Save up to 9,000 ton on raw material.
- ♦ '640' less heavy truck movements per 10km section.
- ♦ Less damage to existing roads from gravel carting.
- ♦ Decrease water use by reducing maintenance to once per year.
- ♦ Decreased plant and machinery requirement, enabling these resources to be used elsewhere.
- ♦ Less maintenance grades, resulting in significant fuel reduction.
- ♦ Higher resistance to wet weather and storm events.
- ♦ Safer and tighter running surface.
- ♦ Significant reduction in carbon footprint.
- ♦ PolyCom is innovative, socially responsible and encourages funding commitment.