9 STEPS TO GOOD HAUL ROADS:

Make your haul roads your greatest asset — instead of your greatest liability — by following these nine steps.



1. DESIGN THEM RIGHT

- Crowned straight sections
- Superelevated curves
- Safety berms
- Drainage ditches

2. ENSURE PROPER GRADE

- Ideal grade: between 8% & 10 %
- Rolling resistance: 2% or less



WATCH BENCH AND DUMP AREAS

- Smooth floor
- Clear debris
- Enable full acceleration
- Ensure trucks can enter at high speed & reverse to dump

PAY ATTENTION TO

- 3X width of widest truck
- Tires clear of berms and ditches



5. USE PROPER ROAD BED MATERIALS

Soft & wet surfaces increase rolling resistance:

- Slows production
- Wears tires

6. KEEP THEM CLEAN

Free from:

- Rocks
 Debris
 Puddles
 Spillage
- Potholes

7. KEEP THEM WATERED

- Too much dust impacts safety & speed
- Too much water is hard on tires & slows trucks

8. EDUCATE OPERATORS

- Motor grader operators: follow proper road maintenance techniques
- Truck operators: watch loads, speeds, tire pressures and debris

9. MAKE THE INVESTMENT

- Just as important as moving material
- Impacts production

THE BENEFITS

- Increase cycle times
- Improve safety
- Boost productivity
- Reduce maintenance
- Lower fuel costs
- Reduce tire damage



