Use case · Pavement concrete

Open pavements on measured strength.

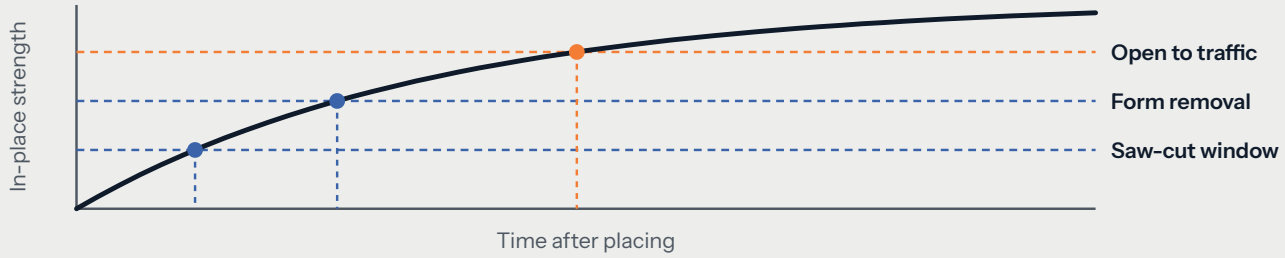
CP-CMMS gives contractors and highway engineers the live in-place strength of pavement concrete, so saw-cutting, form removal and opening to traffic happen on evidence, not on a fixed calendar.



- Real-time, non-destructive
- Rugged, made in India
- Per ASTM C1074 maturity method

One curve, three decisions

Illustrative



Key applications

1. **Saw-cut timing**
   Find the window: strong enough to resist ravelling, early enough to prevent random cracking.
2. **Early opening to traffic**
   Confirm the required in-place strength (typically 70–80% of 28-day, or as per project specification) before opening.
3. **Form removal**
   Strip side forms and move finishing equipment as soon as the concrete is ready.
4. **Curing effectiveness**
   Track concrete temperature through hot and cold weather to confirm curing is working.
5. **Quality assurance**
   A continuous, time-stamped strength record that cuts reliance on destructive tests.

For contractors

- ✓ Faster project completion
- ✓ Better use of labour and equipment
- ✓ Less rework and repair
- ✓ Decisions backed by data

For highway engineers

- ✓ Safe, evidence-based opening to traffic
- ✓ Better pavement performance and durability
- ✓ Objective compliance records
- ✓ Live data from any location

Standards referenced

ASTM C1074	AASHTO T 325	ACI 228.1R	ASTM C918	ASTM C1064	IRC 112
USA	USA	USA	USA	USA	India

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Measure maturity.
Decide on data.

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