

Caltrans 5-Year Maintenance Plan

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5-Year Maintenance Plan

Streets and Highways Code Section 164.6 requires Caltrans to prepare a 5-Year Maintenance Plan to address the maintenance needs of the state highway system

- Purpose: Needs based preservation plan Identify specific maintenance strategies that avoid increases in the SHOPP by delaying the need for rehabilitation, construction, or replacement.

- Goal: Balance resources between SHOPP and maintenance activities
 - Updated every 2 years
 - Transmitted to the Governor, Legislature, and Commission
 - Identifies pavement, bridge, and drainage backlogs
 - Illustrates alternatives:
 - Current funding
 - Steady State plus reduced backlog in 5-years and 10-years
 - Estimates cost benefit ratio
 - Estimates dollars and lane-miles that would be delayed in the SHOPP

Mission: Provide a Safe, Sustainable Integrated, and Efficient Transportation System to Enhance California's Economy and Livability

- 50,000 lane miles of pavement
- 13,000 bridges and other structures
- 205,000 Culverts

Asset Management Systems

Pavement Management System (PMS)

Types of Information:

- Description of current pavement condition
- Identification and prioritization of future projects
- Estimates of fiscal resources required to make repairs

Integrated Maintenance Management System (IMMS)

Types of Information:

- Asset inventory
- Work tracking
- Activity based cost information

ASSET MANAGEMENT

- Inventory Composition
- Evaluate Asset Condition
- Measure Performance
 - Establish Priorities
 - Forecast Needs
 - Track Work

Bridge Management System (BMS)

Types of Information:

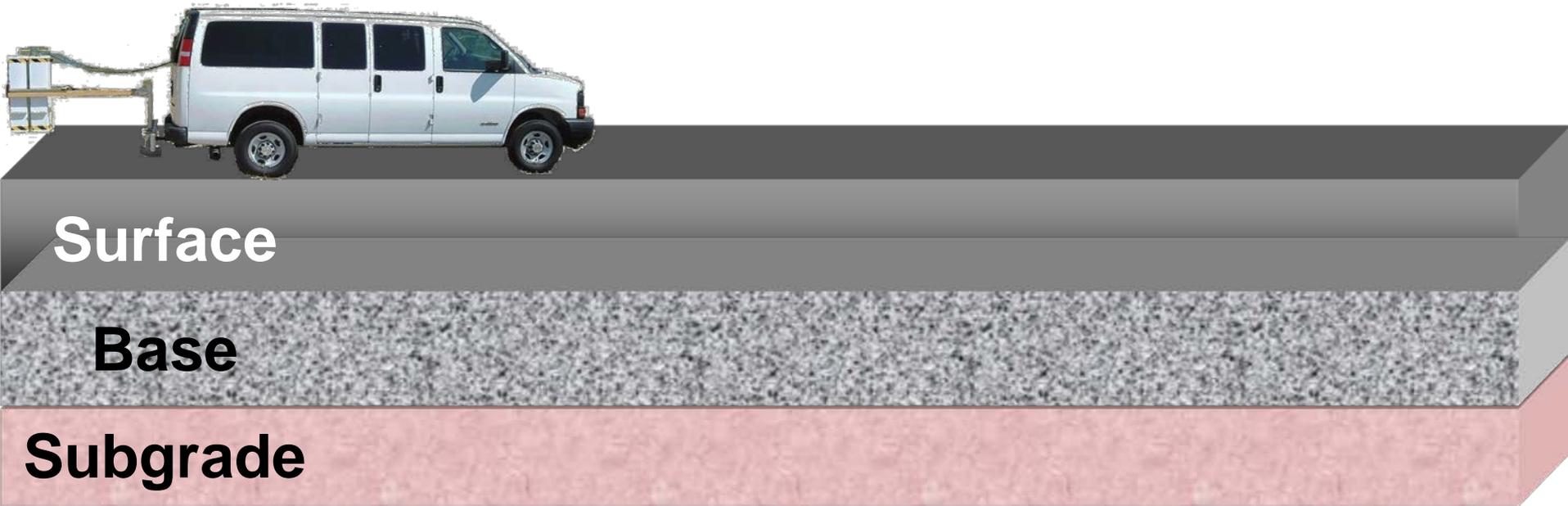
- Bridge inventory
- Bridge inspection results
- Prioritization of needs
- Record of completed and needed bridge work
- Forecasting future needs

Level of Service (LOS)

Types of Information:

- Level of Service rating summaries
- Attribute summary analysis
- Maintenance needs

Ground Penetrating Radar

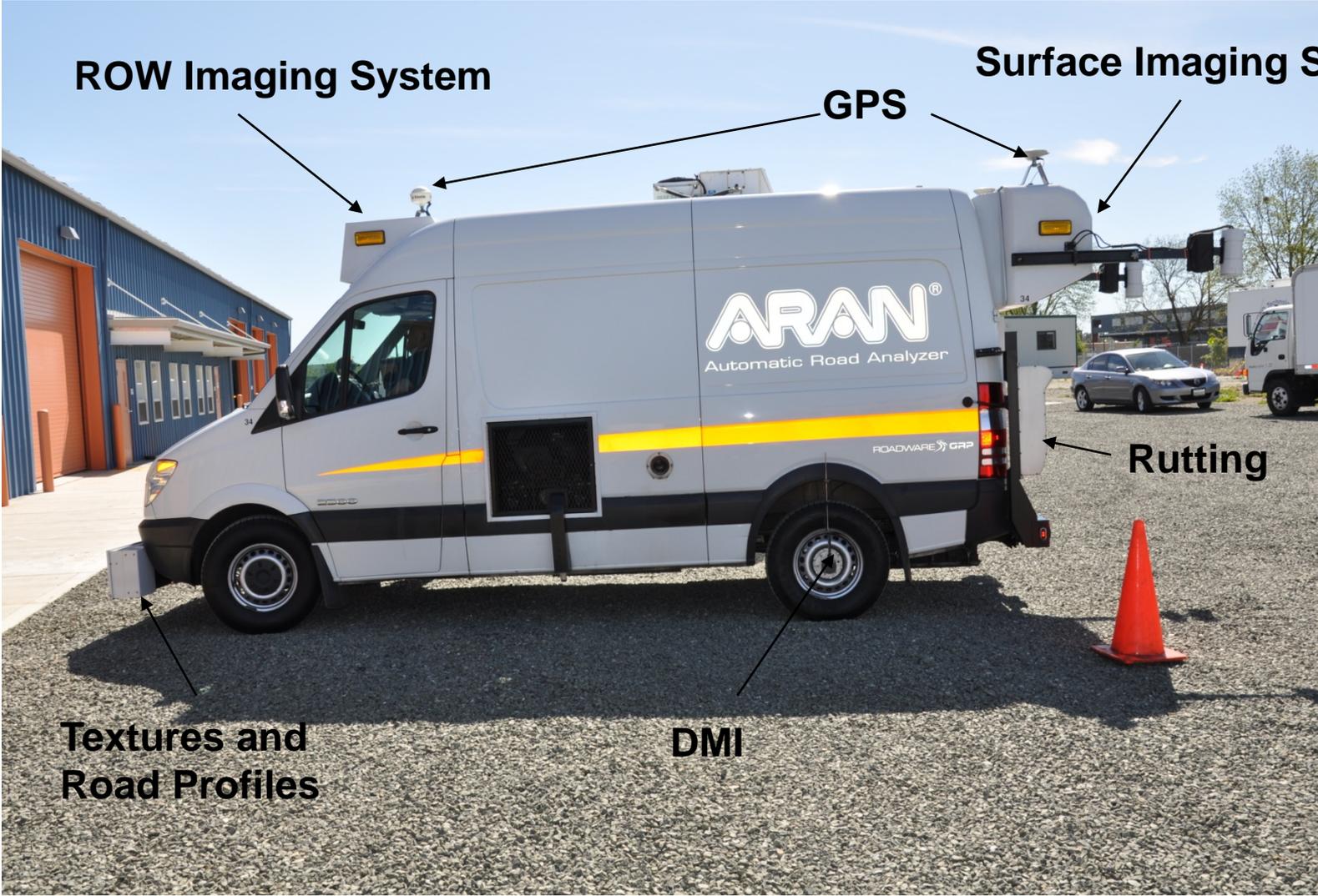


Surface

Base

Subgrade

APCS Vehicle



Maintenance Program Funding

Baseline Funding for maintaining pavement, bridge and drainage is \$433.5 Million per year

Pavement Program: \$234 Million per year

Bridge Program: \$176.5 Million per year

Drainage Program: \$23 Million per year

Thank You