Augmented Speed Enforcement (aSE)

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CALTRANS
ASE
aSE

D. Worker
- Det: unit on worker (e.g.,
  belt) in proximity receive
  vibration alert from pylons.
  Automatic EMS link

A. Sensors
- Roadside (and pylon)
sensors track vehicle speed
  and communicate

Work Zone

F. CHP
- Down road officer
  receives automatic
  notification on display
  about identified
  speeding driver
  “ZXD 135”

E. CMS
- (option)
  Inform driver that they
  are subject to speeding
  stop.

C. Smart Cones
- Pylon sensors track car and
  estimate speed based on
  sonar ➔ “tracer” lights to alert
  work crew (and driver)

B. CMS
- Alert speeding
driver “ZXD 135
  Speeding
  - Slow Down”
Management
Summary

- 32 months
- $1.5 million (plus match)
- Caltrans partnership
- Rural California site

- Education
- Engineering
- Enforcement
- EMS