A dynamic speed bump system that collapses for emergency services

With Sentry, cities can achieve traffic regulation without delaying emergency response times.

3-PART SYSTEM

Detection
Sensing platform picks up signal from emergency service and initiates system response

Signaling
LEDs on sign flash to signal the status of bump and alert drivers that bump is flattening

Collapsing
Electric scissors jacks actuate to lower steel plates and flatten bump

Rubber surface
Steel plates
Scissor jacks
Weather-proof enclosure

FINANCIAL PROPOSAL

Sentry will be unveiled in a one-year pilot program that provides three cities (Portland OR, Austin TX, and Cambridge, MA) each with four Sentry systems. After the pilot program, Sentry will be expanded to additional cities with an intentional focus on those with NACTO membership and high pedestrian fatality rates. These cities are indicated by dots below.

Priced for municipalities at $20,000 per system. Sentry will break even within 4 years.

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Electronic Supply and Consultation

Insurance Cost 5%

Materials Cost 16%

Overhead Cost 6%

System Price $20,000

Priced for municipalities at $20,000 per system. Sentry will break even within 4 years.

THANK YOU!

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