HM4 Safety Pilot Program

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Topics

- Program Overview
- Get Involved





Terminology

- HM4 = Highway Maintenance 4
- The HM4 Safety Pilot Program was initiated to support a quick turnaround proactive safety project.





HM4 Pilot Safety Program

- New safety enhancements, not maintenance.
- Support Vision Zero goal
 - Eliminate fatal and serious injury by 2050
- Apply Safe Systems Approach
- Emphasize FHWA Proven Safety Counter Measures
- Encourage innovation
- Funded through FY26/27

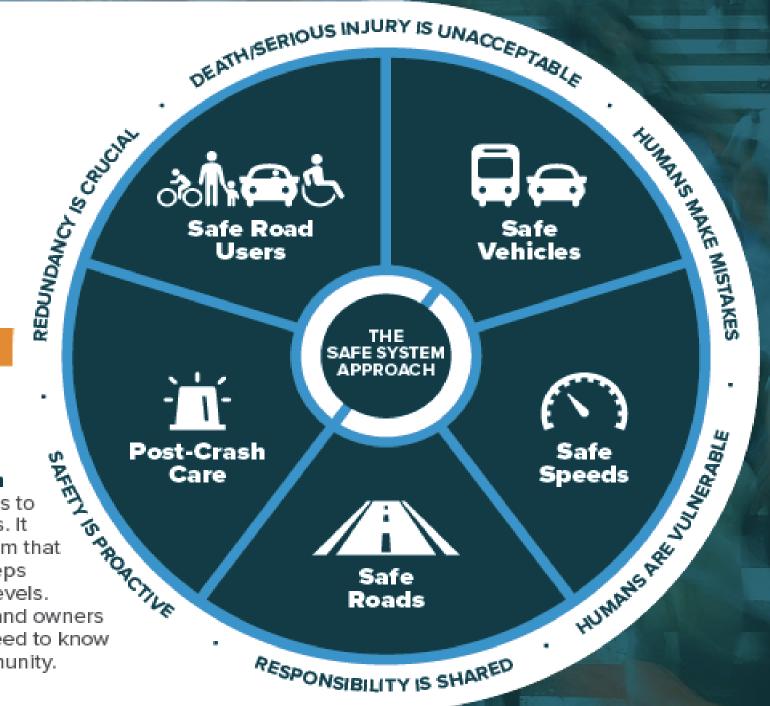




APPROACH

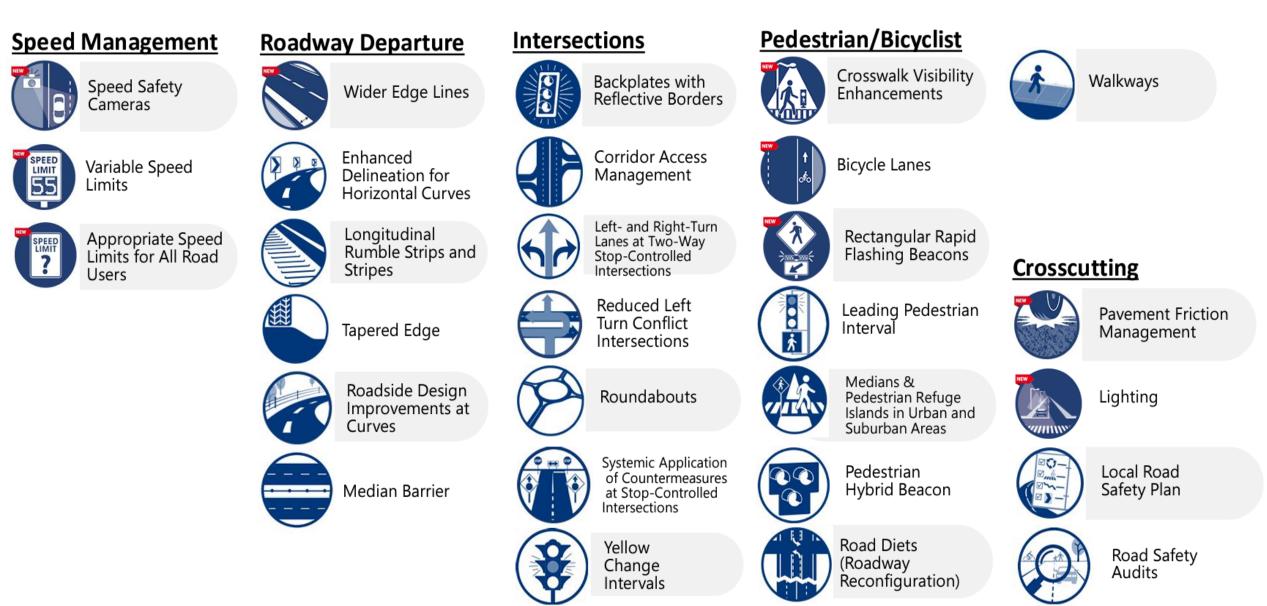
Zero is our goal. A Safe System is how we will get there.

Imagine a world where nobody has to die from vehicle crashes. The Safe System approach aims to eliminate fatal & serious injuries for all road users. It does so through a holistic view of the road system that first anticipates human mistakes and second keeps impact energy on the human body at tolerable levels. Safety is an ethical imperative of the designers and owners of the transportation system. Here's what you need to know to bring the Safe System approach to your community.



FHWA Proven Safety Counter Measures

https://highways.dot.gov/safety/proven-safety-countermeasures



HM4 Safety Program Limitations

- Short lead time
 - Develop and contract projects within 1 year
- No:
 - Right of way concerns
 - Environmental permitting
 - Utility relocation
- Limited to no hardscaping

HM4 Safety Primary Tools: Signs, Striping, Pavement Markings











Current Projects

For 23/24 FY:

01-0M910: Wrong Way Driver Prevention: Red Reflective Pavement Markers

= 68 exit ramps

01-0M920: Pedestrian Safety (Lak 20): high visibility crosswalks = 16

- locations
- Rectangular rapid flashing beacons = 8 locations

01-0M390: Bicyclist Safety:

• bicyclist activated fláshing beacons at Russian River Bridge on Route 175 in Mendocino County

For 24/25 FY:

01-0N660: Pedestrian Safety (Hum 101 / DN 101)

- high visibility crosswalks = 43 locations
- rectangular rapid flashing beacons = 7 locations

01-0N670: Pedestrian Safety (Men various)

- high visibility crosswalks = 56 locations
- rectangular rapid flashing beacons = 1 location

01-0N680: Pedestrian Safety (Lak 20)

- rectangular rapid flashing beacons = 9 locations
- high visibility crosswalks = 1 location



Project Development Timeline for FY25/26

Jan – Mar	Apr – May	Jun	Jul 2024 –	Dec 2025
2024	2024	2024	Nov 2025	
 Partner Agency Input New this year 	• Cost estimate	 HQ review and funding allocation approval 	 Develop engineering plans 	 Submit contracts for bid



Get Involved

- Intended for use by transportation partner agencies.
- Submit your suggestions here:

<u>https://caltrans.maps.arcgis.com/apps/CrowdsourceReporter/</u> index.html?appid=a16875773d7d4d90acb43e75c74b3c95

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