



HUMBOLDT COUNTY ASSOCIATION OF GOVERNMENTS
Regional Transportation Planning Agency
Humboldt County Local Transportation Authority
Service Authority for Freeway Emergencies
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AGENDA ITEM 6a
TAC Meeting
November 6, 2025

DATE: October 30, 2025
TO: Technical Advisory Committee (TAC)
FROM: Brendan Byrd, Executive Director
SUBJECT: **Vision Zero Project Update and Recommendation for Traffic Camera Purchase**

STAFF REPORT

Contents:

- Staff's Recommended Action
- Staff Summary
- Currux SmartCity Cutsheet and Quote

Staff's Recommended Action:

1. Introduce the item as an action item;
2. Allow staff to present the item;
3. Receive public comment;
4. Discuss item and consider making the motion:
"I move that the TAC recommend that HCAOG proceed in procuring the Currux SmartCity traffic camera system."

Staff Summary:

As the TAC is aware, HCAOG has been working on completing the Humboldt County Regional Vision Zero Plan. This plan includes, among other items, the completion of several transportation safety demonstration projects throughout the county, and the purchase of a traffic camera/analysis system to evaluate projects. The purpose of this staff report is to:

1. Inform the TAC of the recommended safety demonstration projects, and receive final concurrence or feedback before initiating the environmental review process; and
2. Seek a recommendation from the TAC to move forward with the purchase of the proposed Currux Vision SmartCity ITS Standard system.

Proposed Safety Demonstration Projects

Over the past several months, staff have been working closely with local agencies to identify what transportation safety demonstration projects will be included in the Vision Zero plan. After iterative review, the following is the list of recommended projects. Also shown is the anticipated grant cost share each project would be requesting.

Agency	Project Location and Description	Grant Reimbursement Request
City of Arcata	Temporary speed humps and signage at 11 th and K Streets	\$12,000
City of Eureka	Temporary mini roundabout striping at the intersections of G and 8 th Street, and L and 8 th Street	\$12,000
City of Ferndale	Temporary speed humps/tables, pavement markings, signage, and dynamic feedback signs along 5 th Street (in between Arlington and Shaw)	\$9,000
City of Fortuna	High visibility programmable radar feedback signs along two school roadway corridors (Fortuna High School and Redwood Charter School)	\$17,000 (\$8,500 per each school zone installation)
Total Cost		\$50,000

Staff will note that each agency has indicated that they can lead the design and installation of the demonstration project, which is also part of their grant match. Staff will note that the City of Ferndale did request a small amount of funding for professional services (~\$1,500), for their contract City Engineer to be able to complete the safety project plan layout. All other projects would be designed by in-house engineering departments.

As shown, the total grant funding that would be required to complete the project is \$50,000. The available grant budget for the demonstration projects is \$60,000, so the proposed activities fit within the budget, and there is \$10,000 remaining. The remaining portion of the budget could be reserved as contingency or could also be put towards additional consultant support.

Lastly, staff will note that HCAOG's contract with SmithGroup includes assistance and analysis of five safety demonstration projects. Although only four are listed above to receive funding, the County's recently completed Hiller Road demonstration project will be analyzed and included in the report.

Staff are seeking any final feedback from the TAC on the safety demonstration projects, and how to best use the remaining \$10,000 from the demonstration project budget (i.e. contingency, additional consultant services, etc.). Once finalized with any direction from the TAC, staff will authorize the consultant to proceed with obtaining the environmental clearances and amend the grant agreement to obligate the post-NEPA funding.

Traffic Camera System

In 2024 HCAOG staff began the process of identifying a smart traffic camera system that could be used as part of the Vision Zero project, and beyond. The total budget for the camera system included in the project is \$30,000, which is funded by HCAOG local funds and is part of the match to the federal grant. In 2024 the TAC received a presentation from Viva and MioVision (the latter via Caltrans staff). The TAC's concern at the time was that even though the capital purchase of both of those products was within the established budget, both systems required ongoing subscription costs to use and analyze any data.

In 2025, working with the City of Eureka, HCAOG staff set up a demonstration with Western Systems. This manufacturer was presented to the TAC as it had much of the same functionality of the other traffic camera systems, but the data and analysis could be readily downloaded from the unit (did not require data processing by the manufacturer), and there were no ongoing costs outside of the capital purchase. Representatives from Western Systems presented the functionality of the product to the TAC at the August meeting, and since September 17th, the system has been installed at the intersection of 6th and I Streets in Eureka. Western Systems staff will be presenting to the TAC the results and functionality of the demo installation at the TAC meeting. Functionality that will be presented includes data for user counts (bike, pedestrian, car, truck, etc.), speeds, near misses, etc.

Staff are seeking a recommendation from the TAC to proceed with a purchase of this system. Staff have already received a quote from the manufacturer, which is attached to this staff report. The camera system alone is approximately \$26,000, which is within the grant budget. This system could be installed at any location with power (existing or supplementary), and data could be downloaded by the user and viewed on any computer. Staff will note that there are two additional costs shown at the bottom of the quote, which would be purchase options for 5- and 10-years' worth of cellular network connectivity. Purchase of cellular network connectivity would allow for data to be viewed in real time from the camera. Otherwise, data would be to be downloaded from the unit and viewed back at a computer.