

Caltrans Summarized Requirements

Corridor Management	ICM CORE SYSTEM Functions	Sensing and Data
Caltrans shall be responsible for overall ongoing management and success of the I-210 corridor management function.	Caltrans shall be responsible for operating and maintaining the ICM Core Software and Hardware System <ol style="list-style-type: none"> 1) Security 2) Maintenance 3) Working with stakeholders to implement upgrades 	Caltrans shall communicate special events/road closures and recommended reroute information to the CM that may affect traffic operations on identified reroutes. Caltrans shall disseminate information.
Caltrans shall fill the following leadership roles: Corridor Manager – Responsible for overall corridor management success, stakeholder relationships, and response planning (rules, models and analysis) Corridor Technical Manager – Responsible for ensuring all hardware and software are operational and maintained Corridor Data Analyst – Responsible for ensuring and encouraging data quality, data availability and performance analysis	Caltrans shall be responsible for operating and maintaining corridor and asset monitoring and display capabilities: <ol style="list-style-type: none"> 1) Corridor Asset Inventory and Health 2) Corridor Asset State 3) Corridor Measured and Estimated State 4) Calculation and Display of Corridor Metrics 5) Calculation of Historical Patterns 	Caltrans shall maintain up-to-date definitions/inventory of freeway network elements
Caltrans shall be responsible for maintaining: Corridor TMS Strategic Plan Corridor Data Strategic Plan Data Dictionary Data Quality Specs	Caltrans shall be responsible for operation and maintenance of Response Plan capabilities: <ol style="list-style-type: none"> 1) Incident creation and validation 2) Response plan creation 3) Response plan implementation 	Caltrans shall communicate forthcoming approved/pending changes in roadway geometry and operations affecting traffic conditions, restrictions, and traffic control devices on the freeway to the CM
Caltrans shall be responsible for guiding system integration <ol style="list-style-type: none"> 1) Integrated Reporting, Visualization, and Control functions 2) Single point of ownership for data and control functions within the Core ICM System 	Caltrans shall be responsible for operation and maintenance of all data management capabilities: <ol style="list-style-type: none"> 1) Storage of data 2) Standard access to data 3) Management of Data 	Caltrans and cities shall work together to assist in resolving data, hardware, and software issues in a timely manner (the definition of timely manner will be determined at design time).
Caltrans shall be responsible for Training and Documentation	Caltrans shall be responsible for operation and maintenance of the Decision Support System capabilities: <ol style="list-style-type: none"> 1) Rules Capture and Execution 2) Estimation 3) Prediction 	Caltrans and cities shall ensure that system detection at key ICM freeway and arterial locations in their jurisdiction meets system reliability goals. (Response time to be determined during design).

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Incident/Event Response Plans	Road Network Management	Outreach, Agreements, Funding Personnel
Caltrans will work with CM in defining and maintaining rules for building response plans, handling special situations, messages to be displayed on CMS signs, selecting response plans and sending response plans to corridor assets.	Caltrans shall permit the Core ICM System to select and implement preapproved signal plans for intersections on preapproved reroutes.	Caltrans shall attend and lead meetings and/or teleconferences, and meet quarterly or as needed regarding incident/event responses
LA County, in consultation with cities and Caltrans, will create and maintain coordination timing plans for use during incidents for all signals on agreed upon reroutes (including Caltrans signals). Caltrans shall load the timing plans onto their controllers for use during an incident.	Caltrans shall permit the Core ICM System, using the CMS control software, to select and implement preapproved messages for display on preapproved freeway CMS signs. Caltrans shall be allowed access to the CMS control software to make changes within their jurisdiction.	Caltrans shall assist with editing, reviewing, and executing documents and agreements.
Where possible, the ICM system shall determine the end-time of a Caltrans initiated incident/event. Where not possible, Caltrans shall indicate when an incident/event has terminated or is expected to terminate. The ICM system determination may be over-ridden by Caltrans.	Caltrans shall permit the Core ICM System to contact designated Caltrans personnel with requests for performing preapproved actions	Caltrans shall provide updated information on Caltrans contacts. Caltrans shall disseminate information.
Caltrans CM, as necessary, will request meetings with Caltrans and city personnel in order to review rules used during incidents/events to determine if they worked correctly and, if they did not, resolve any issues	<p>The overall ICM system goal is to function correctly 85% of the time.</p> <ul style="list-style-type: none"> • Signals 99% • Detection 85% • Communication 85% (70%-75%) • Software 95% 	Caltrans will work with Cities and County to apply for federal, state, regional, and local funding sources.
	Caltrans and stakeholder agree to share video feeds as long as videos are not stored	ICM Steering Committee shall define roles, responsibilities, and reporting structures for the ICM system. Caltrans shall ensure key personnel and support personnel are in place and trained.
	Caltrans shall permit the Core ICM System, through requests to the Caltrans' ramp metering software, to select and implement preapproved ramp metering plans on ramps on preapproved reroutes.	