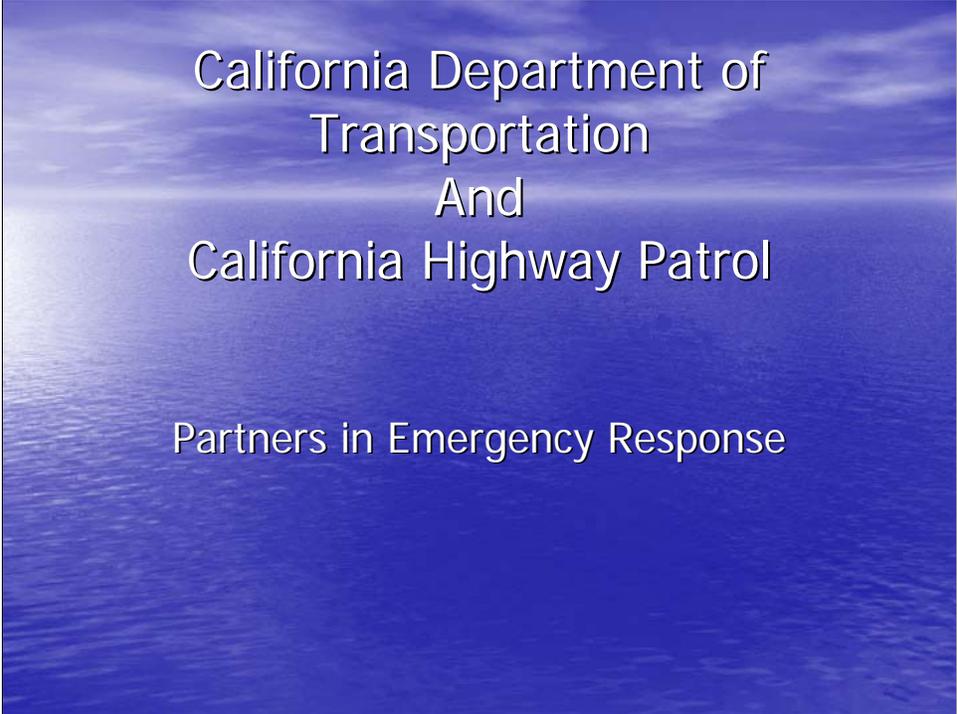




Introductions

CHP and Caltrans share the responsibility of maintaining the highway system in a safe useable condition. Only together can we accomplish this.



California Department of
Transportation
And
California Highway Patrol

Partners in Emergency Response

Caltrans maintenance is responsible for the preservation, upkeep, and restoration of the roadway and roadside on all state routes.



Maintenance Vision, Mission, and Values

-To be the world leader in maintaining a safe and efficient highway system-

Maintenance will: “Protect public safety and preserve California’s Highway System by maintaining and repairing the system and responding to emergencies so travelers and goods reach their destination safely and efficiently.”

Values

Integrity – Partnership – Customer-Focus – Communication
Empowerment – Commitment – Teamwork – Innovation – Stewardship

The Caltrans Mission is To be the world leader in maintaining a safe and efficient highway system.

Purpose

- Improve Communication Between CHP and CT
- Improve Emergency Response Times
- Improve Relationship Between Agencies
- Gather Accurate Incident Information
 - For Proper Response
 - Recovery Of Funds



Caltrans Maintenance Employees

- Normal work shift 0730 – 1600 hours Monday thru Friday
- Emergency Call Out – 30 minute response
- **When CalTrans is needed, notify as early as possible to expedite response**
- Available 24 hours through Dispatch

Maintenance Supervisors and their Crews usually work an eight (8) hour shift, Monday through Friday, 0730 to 1600 hrs.

After normal work hours, the Supervisor will respond to the emergency location with a State vehicle directly from his or her residence within 30 minutes. The employees have to drive their personal vehicles to the Caltrans Maintenance Station where they pick-up equipment and materials before heading out to the emergency location

In some locations there may be some crews who work irregular shifts at night and on weekends.

Caltrans' Services

- Emergency lane closures – Traffic Control
- Hazardous material incident response
- Accident response
- Emergency repair
- Emergency response and clean-up

Caltrans Maintenance is determined to provide safe, efficient, quality service to our customers, and also respond to highway emergencies in a timely manner with available resources.

Highway accidents can occur at any time, 24 hours a day, seven days a week. Caltrans will respond with all available resources such as equipment, materials and personnel

We can provide

Traffic control

Haz - Mat response

Accident response

Emerg. Repair

Emerg. Response and clean-up

Emergency Traffic Control

- Road Closures
- Lane Closures
 - Long Term
 - Short Term
 - Multi Lane
- One Way Traffic Control - Flagging
- Shoulder Closures
- Moving Lane Closures
- Ramp Closures

Traffic control can include

Road closures

Lane closures

One way traffic control

Shoulder closures

Moving closures and

Ramp closures

Lane Closure – Multi Lane Freeway



- Equipment dispatched
 - Cone Truck
 - Shadow Truck
 - Arrow Board



A lane closure on a multi lane freeway will require Caltrans to use various equipment including a cone truck, a shadow truck, and an arrow board. When multiple lanes are closed, additional personnel, equipment and signs will be needed to properly respond. Detours are also completed by Caltrans

One Way Traffic Control



- Cone Truck
- Personnel to flag traffic
- Advance Warning Signs

When one-way traffic control is required, two teams (one on each end of the incident) warn the traveling public to “prepare to stop” with signs and close both ends of the road. A pilot car often guides strings of traffic through the incident while the road is closed.

Communication while closing and opening the road is critical. It is important that all ground personnel have been informed that traffic control will soon end and evacuate the incident area.

Hazardous Material Response

- What is it, if known
- Volume of material spilled, size of area
- Is it a spill or just a slick?
- Type of containers; boxes, glass, bulk
- Area affected; shoulder, lane, drain, etc.

Caltrans will usually respond to the incident within 30 minutes.

A reasonable time is allowed for the spiller or the spillers agent to clean or remove the spilled material if qualified.

Expect some waiting time for a Caltrans approved hazardous waste clean up contractor. The contractor has to prepare for the response to the specific type of hazardous material and often time gets caught in the traffic cue.

Diesel Spill



Truck accidents are a typical source for diesel spills

Accident Response

- Size of Vehicle
 - Diesel Spill or slick
 - Hazardous Material Involved?
 - Overturned or damaged and cannot be moved.
 - Loaded
 - With What?
 - How Much?
- Traffic Control Requirements and the lanes to be closed.

The more information that Caltrans receives the faster and better equipped the response will be.

The most important part of reporting damaged highway facilities or requesting Caltrans employees to a freeway emergency is **early**, clear, and concise communication.

When the supervisor receives detail information, he or she can immediately arrange for the appropriate type of equipment, materials, and personnel.

The earlier complete and accurate information is given to Caltrans , the quicker and more appropriate the response.

Truck Accident With Diesel Spill And Damage



Before Caltrans leaves the scene, guard rail repairs need to be made and the clean up of the diesel spill.



Notify dispatch immediately if material is moving towards a drain.

Is the material already in a drain? Waterway?

This is information that is needed for appropriate response.

Partnering



The quicker the spilled material is cleaned up, the quicker the road gets open.
Don't be afraid to pitch in.

- What is the material?



Amount of Damage is important and will change the response.

How much is damaged? How many?

What is damaged?

What is spilled?

Type of container, is the container broken?

These are all very important details.

Medical/Biological Wastes



Please have ambulance companies clean all medical wastes from site. Caltrans does not clean bio hazards and will have to call back the ambulance or a spill contractor to clean up the scene. Resulting in extra costs and delays.

Responsible Party + CHP Report + Damage Repair = \$ Recovered For The State

- Fence
- Median Barrier Cable
- Median Barrier
- Guardrail
- Attenuators
- Signs
- Glare screen

When damage has occurred to any portion of the highway facility the CHP should make a report and tag the damaged facility with the report number. Caltrans Maintenance Supervisors can retrieve the damage report at a later time. This is vital to Caltrans' effort in recovering cost for the damages. The recovered costs are returned to the Districts in material monies.

Fence Damage \$1400.00



Median Barrier Cable Damage \$1300.00



Cable barriers are being phased out as budgets allow. Replacement with concrete or metal barriers depend on long term plans and budget dollars.

Concrete Barrier Damage \$7500.00



A concrete barrier can be in the median or on the shoulder.

Guardrail Damage \$6,000.00



Attenuator Damage \$9500.00



Let Caltrans know if it is a SAND BARREL unit so they can bring the right materials the first time.

Bridge Rail Damage \$6,000.00



If the railing is on a bridge it is bridge rail. If it can be identified as concrete or metal (rarely) please do so.

Knock Down Light Pole \$4000.00



These are all dollars that the state can recover with the proper documentation.

Regulatory Sign – Immediate Response



Stop signs and do not enter signs are very important to be repaired promptly for safety and liability.

Warning Sign – Immediate Response



Can you imagine the liability if this sign was knocked down and an oversize load hit the structure?

Guide Sign



Guide signs will be repaired during normal working hours unless it is a hazard

Emergency Response

- Slip outs
- Rock/Dirt Slides
- Flooding
- Pothole Repair
- Debris Removal
- Dead Animals in the roadway.
- Traffic Signal Malfunctions

Caltrans will respond to the following emergencies

Slip out



Rock/Dirt Slides

- How big?
 - Size and quantity determines response
 - Loader
 - Plow Truck
 - Shovel

Describe to the Dispatch as much detail as necessary for Caltrans to understand what is going to be needed for the response.

Rock Slide With Front End Loader



Obviously this could be described as large boulders and rockslide and needs more than a garden shovel.

Slide Removal



Typical slide removal operation.

Flooding



This condition may require long term traffic control and clean up when water subsides.

Pothole



Pothole? 8 Feet deep?

Equipment Available – Plow Truck



Here are some examples of equipment that may be dispatched.

Plow trucks are used not only for snow removal, they can push small dirt slides and rocks as large as a desk to the shoulder.

Changeable Message Sign



Changeable message signs, or CMS, are used to inform the public of road conditions or closures.

Arrow Board



Arrow boards are used for lane closures

Loader



Front end loaders are used to move a large variety of spilled material at accident scenes as well as slide removal.

Dump Truck



Sweeper (not broom)



Broom (not sweeper)





In closing, partnering will provide a better response for our customers and the ability to recover funds for the State of California.

Thank You, Questions?



THE

END



Committee Members:

Will Hauke

Donna Gonzalez

Bill Kimball

Yvette Bidegain

