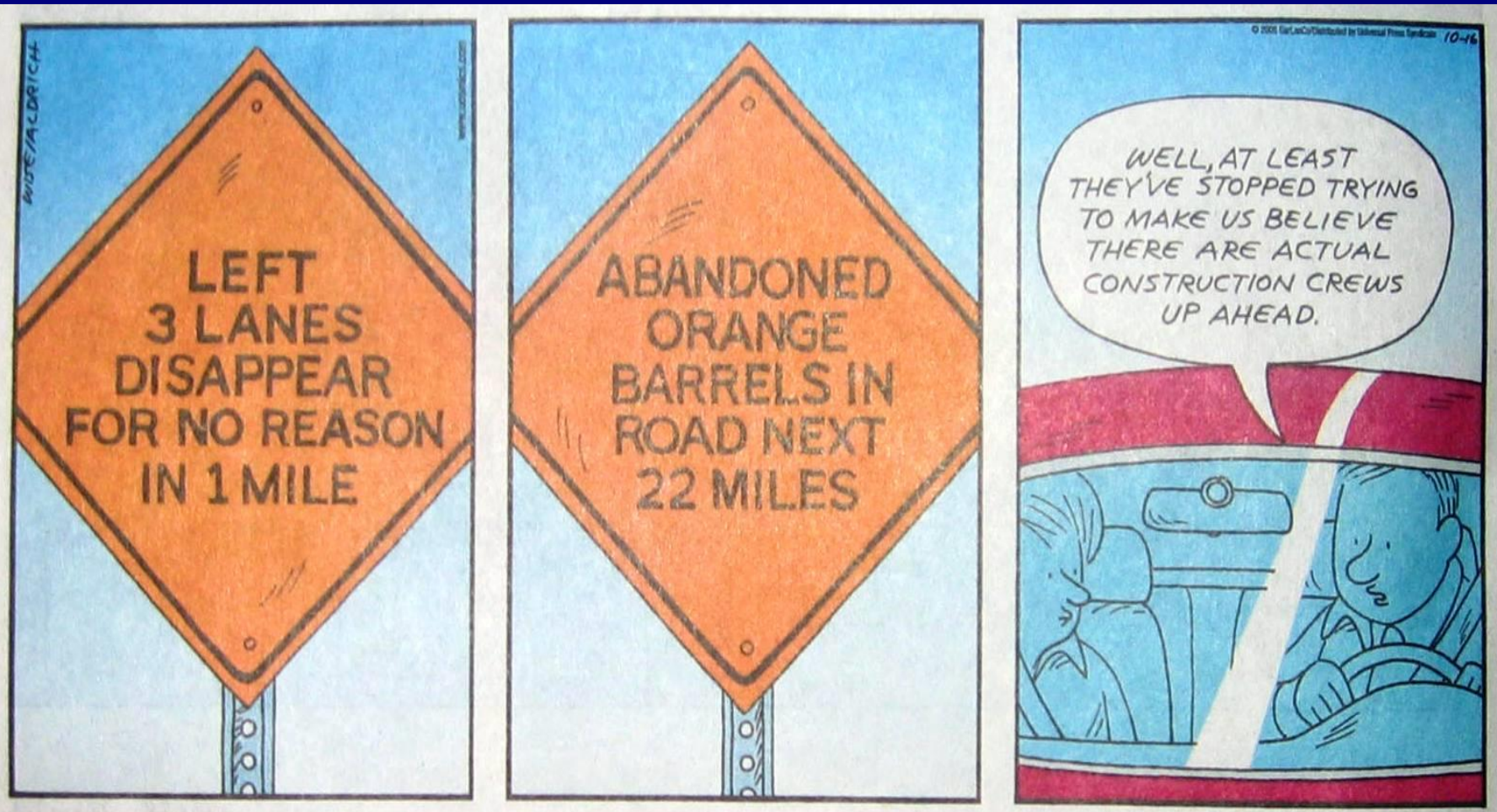
Transportation Management Plan Overview

FHWA

Is that the impression people have?



Presentation Overview

- TMPs and the WZ Rule
- What is a TMP?
- Why TMPs?
- When to Develop TMPs

Louisiana DOTD Commitment to Work Zones

- Participation in National Work Zone Awareness Week since 2001
  - Annual press conference
  - Governor proclamation
  - Cone memorial
- Work Zone Task Force
- Federal/State Work Zone Process Reviews

TMPs and the WZ S&M Rule

- Requires development and implementation of TMPs for all Federal Aid highway projects
- Required content depends on *significance*
  - Must always include a Temporary Traffic Control (TTC) Plan
  - For significant projects, TMPs must also have:
    - Traffic operations (TO) component
    - Public information and outreach (PI) component

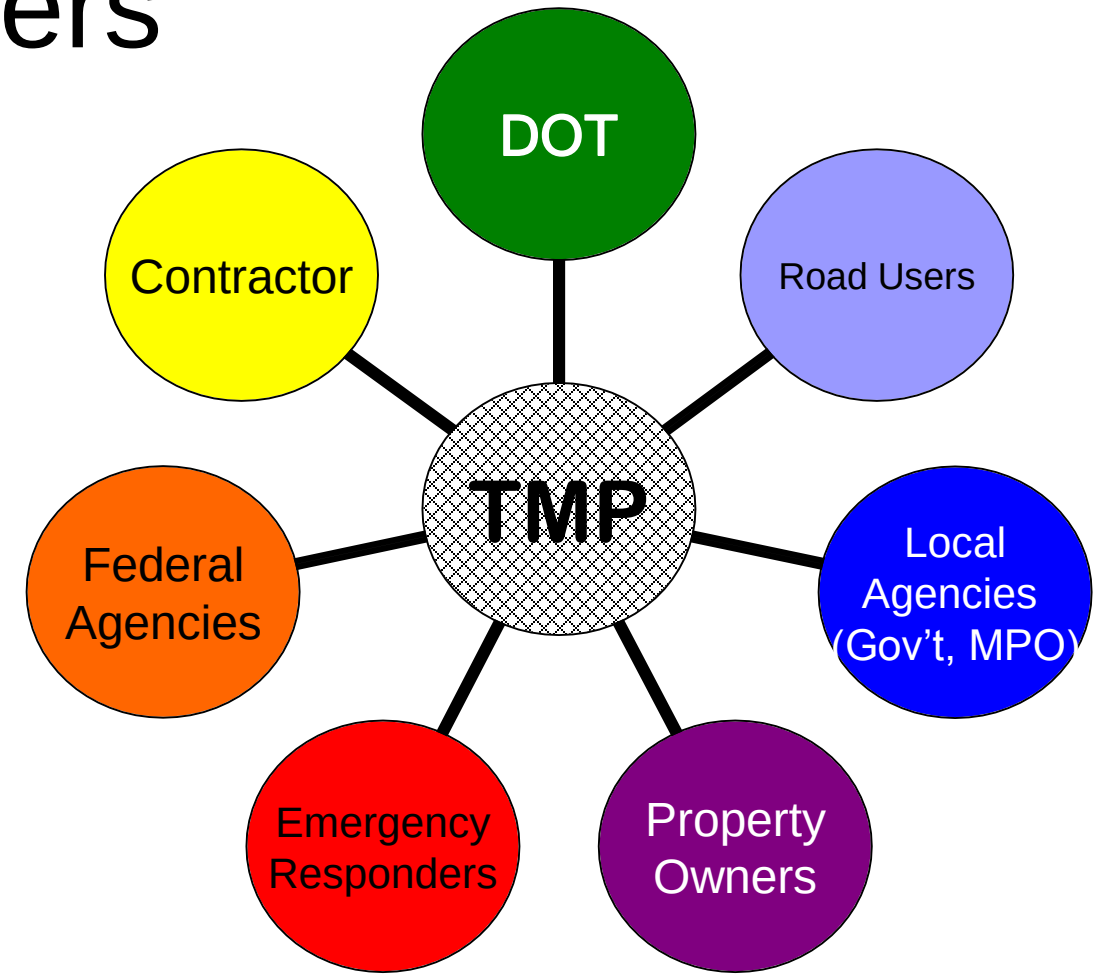
In brief, a significant project is one that the agency expects will cause a relatively high level of disruption.

TMPs and the WZ Rule

- Agencies should coordinate with appropriate **stakeholders** in developing a TMP
- Provisions for a TMP shall be in the project's **Plans, Specifications, and Estimates** (PS&Es)
- DOT and contractor shall each designate a **responsible person** for implementing the TMP

TMPs and the WZ Rule – Stakeholders

- Concerns of stakeholders
- Using a multidisciplinary approach and defining roles



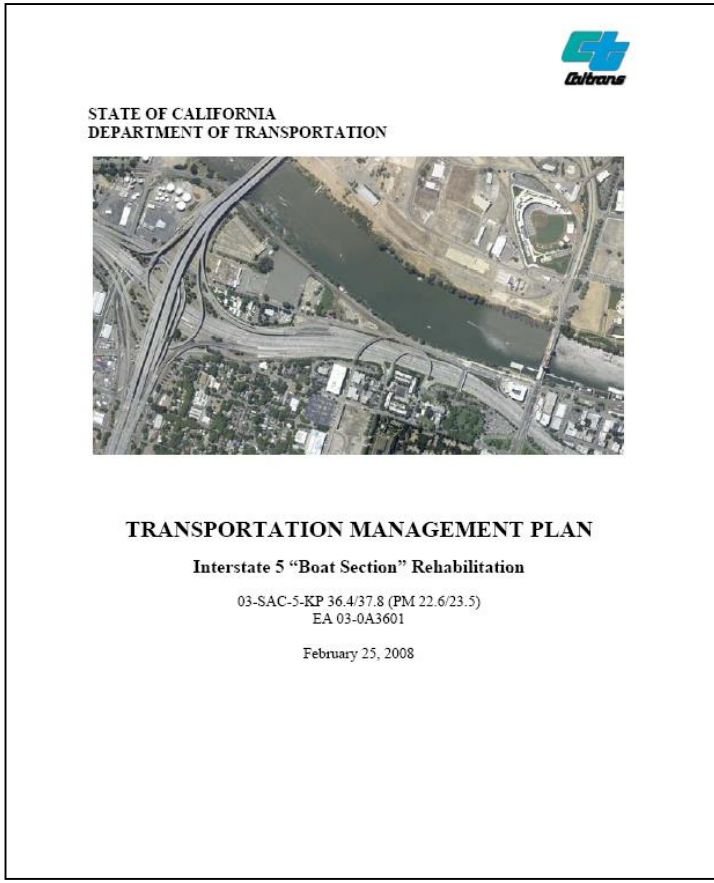
TMPs and the WZ Rule – Responsible Person

- Both the DOT and the contractor are required to designate a responsible person:
  - At the project-level
  - Who is appropriately trained
  - Who has primary responsibility and sufficient authority for implementing the TMP and other safety and mobility aspects of the project

What is a TMP?

Transportation Management Plan

- Set of coordinated strategies implemented to manage the WZ impacts of a project
- Scale-able – projects with more expected impacts may need more analysis and more strategies


STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TRANSPORTATION MANAGEMENT PLAN

Interstate 5 "Boat Section" Rehabilitation

03-SAC-5-KP 36.4/37.8 (PM 22.6/23.5)
EA 03-0A3601

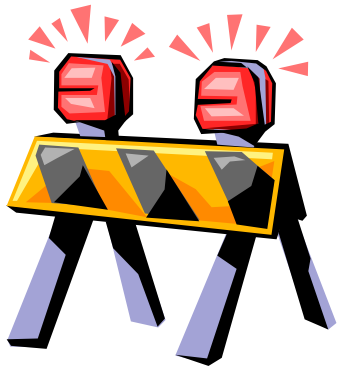
February 25, 2008

"TMPs would streamline the process through which road user impacts due to work zones can be properly analyzed and addressed." - MD SHA

TMP vs. TCP

- TCP – plan for handling traffic through the use of traffic control devices
  - Once strategy is determined, TCP implements

- TMP – more comprehensive - incorporating broader issues -
  - Public awareness
  - Mobility and safety impacts
  - Stakeholder involvement



If not a “Significant project”, then TMP can equal TCP

What is a TMP?

- DOTs create design documents to show how they are going to build a project
- The TMP shows how the DOT is going to manage transportation needs during a project
- With today's WZ challenges, a TTC plan may not be enough

TMPs = a more comprehensive approach to managing WZ safety and mobility

What is a TMP?

Potential TMP Components

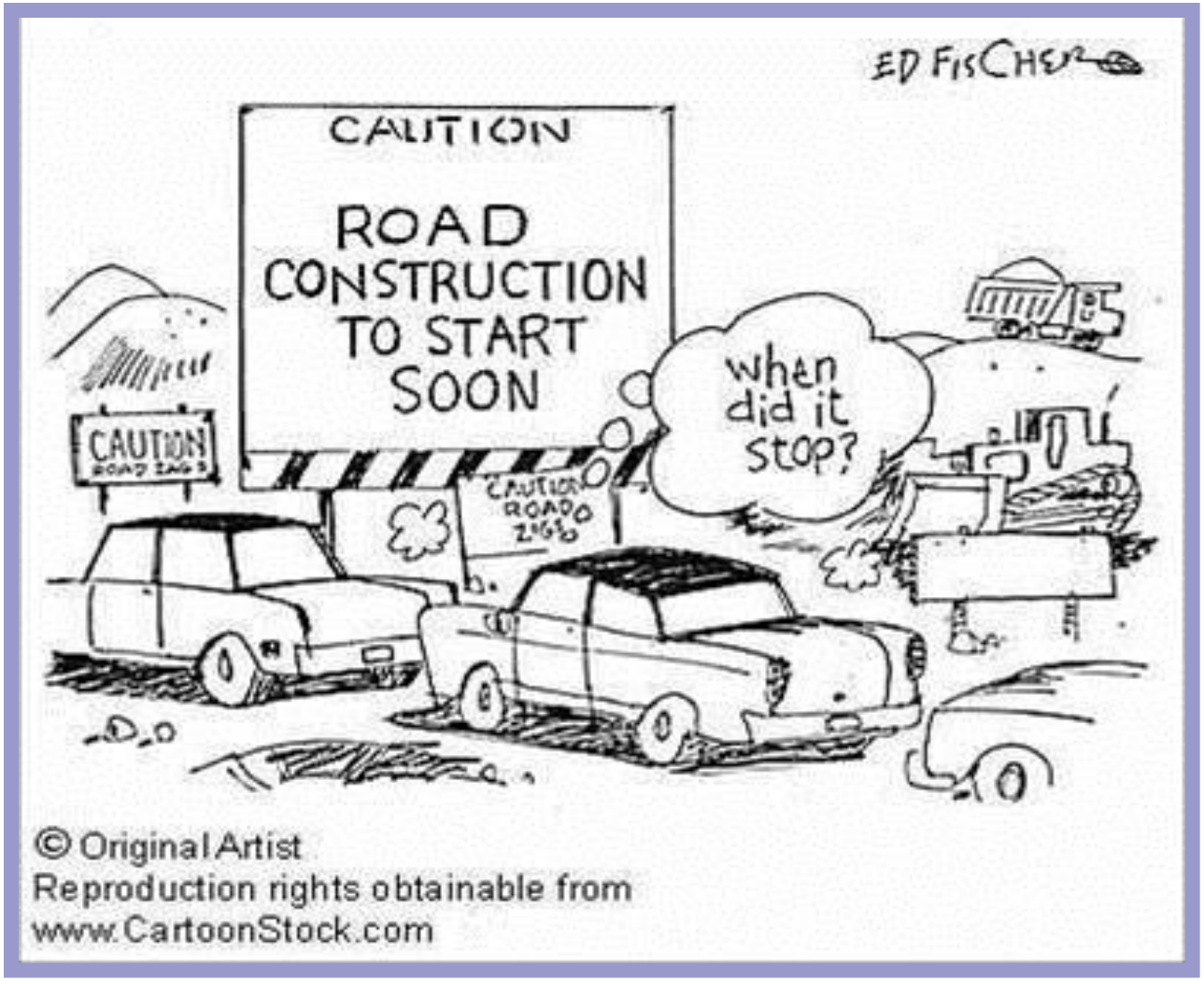
- Project Description
- Existing and Future Conditions
- Work Zone Impacts Analysis and Assessment
  - Safety
  - Mobility
  - Accessibility

What is a TMP?

Potential TMP Components

- Work Zone Traffic Management Strategies
  1. TTC Plan
  2. Traffic Operations Plan
  3. Public Information Campaign
- TMP Monitoring Requirements
- Contingency Plans
- Implementation Costs

Why TMPs?


ED FISCHER
CAUTION
ROAD CONSTRUCTION TO START SOON
CAUTION
when did it stop?
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Why TMPs?

- **WZ management is increasingly complex**
  - Increasing traffic volumes using the same roads that agencies need to maintain and rehabilitate
  - Requires traffic management efforts beyond TTC plans
- Key issues:
  - Safety
  - Mobility
  - Accessibility

Why TMPs?

Importance

What are the benefits of having a well thought-out approach to managing traffic during a construction project?

- **Consider your stakeholders:**
  - Contractors
  - Motorists
  - Property owners
  - Project owners
  - Businesses
  - Environment
  - Event organizers, etc.

Why TMPs?

Key Benefits

A well-planned method for managing traffic flow during construction can:

- Address safety and mobility impacts of work zones at corridor and network levels
- Promote efficient and effective construction phasing and staging, minimize contract duration, and control costs
- Improve safety for workers and road users
- Minimize traffic and mobility impacts of a work zone

Why TMPs?

Key Benefits

A well-planned method for managing traffic flow during construction can:

- Minimize:
  - Circulation, access, and mobility impacts to local communities and businesses
  - Complaints from road users, businesses, and communities
- Improve:
  - Intra- and inter-agency coordination
  - Improve public awareness

When is a TMP Developed?

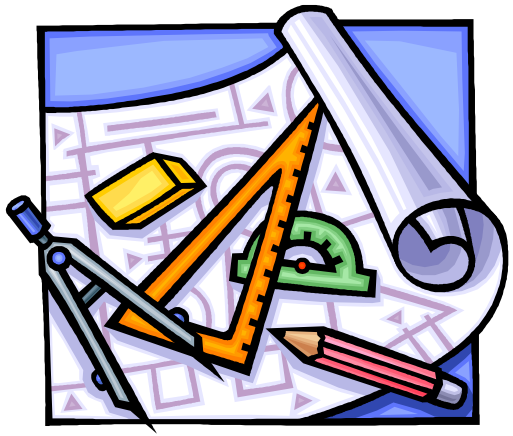
TMP development should begin during systems planning and progress through design

- Conducting TMP analyses early in project development helps ensure:
  - **Systems planning and preliminary engineering:** TMP development and implementation costs included in the project budget
  - **Design:** Agencies consider WZ impacts in evaluation and selection of design alternatives → For some projects it may be possible to choose a design alternative that alleviates many WZ impacts
- Final TMP development occurs during DESIGN

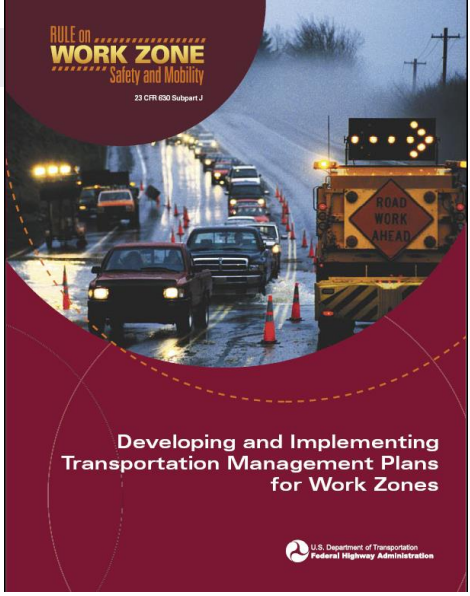
When is a TMP Developed?

Design Phase

- Final assessment of WZ impacts is done, which should affect the choice of:
  - Best construction/staging option(s)
  - Most suitable design and contracting approach
  - Most appropriate WZ traffic management strategies



TMP Resources



- WZ Safety and Mobility Rule Web Site
  - Example TMPs, development resources
- Developing and Implementing TMPs for Work Zones
  - Includes a TMP Checklist and matrix of strategies
- FHWA

www.ops.fhwa.dot.gov/wz/resources/final_rule.htm