



Multimodal System Integration

High Speed Rail-Transit Connectivity Program

Transportation Planning Workshop
Visalia, CA—District 6
April 9, 2014



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What is it?

- All modes?
- Connectivity?
- Integration?
- Everything all at once?

Overview

- Sustainable mobility and community planning
- Smart Mobility and Complete Streets
- Connectivity program overview and background
- New directions

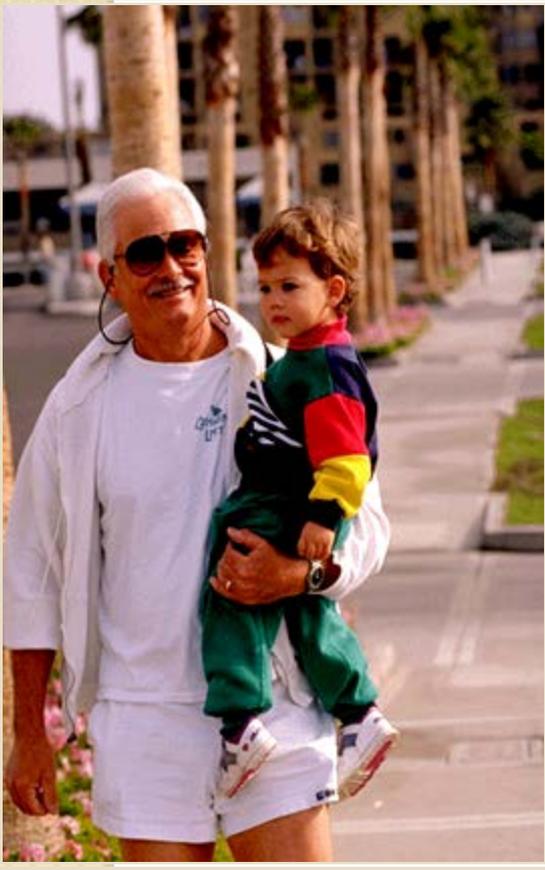
What is Community Planning?

Community planning is the integration of transportation and land use planning with community values to create more livable and resource efficient communities.



(Computer-generated graphic)

Effective community planning results in vibrant communities with mixed land uses that encourage people to walk, cycle, and use transit.



Why are Transportation Choices Important?

➤ **MISSION:** “Caltrans Improves Mobility Across California”

➤ **MOBILITY GOAL:** “Maximize transportation system performance and accessibility.”

➤ **STRATEGIES:**

- **Context Sensitive Solutions**
- **Multi-modal planning**
- **Complete Streets**
- **Smart Mobility**



What are Community Planning STRATEGIES?

- Interconnected Travel Networks
- Traffic Calming/Complete Streets
- Bicycle- and Pedestrian-friendly Design
- Lively Streetscapes/Complete Streets
- Compact development (urban & rural areas)
- Jobs/Housing Proximity
- Mixed Land Uses
- Infill development
- Transit-Oriented Development (TOD)
- Smart Mobility Framework

Community Planning Strategy: Interconnected Travel Networks

"Status Quo"



"Interconnected"

Source: the American Planning Association's PAS Report #479,
"The Principles of Smart Development"

Community Planning Strategy:

Traffic Calming/Complete Streets



Results of a community “visioning” process for International Boulevard in Oakland – traffic calming, complete streets, multi-modal.

“Before”

“After”



Community Planning Strategy: Bicycle- and Pedestrian- friendly Design

- “Bicycle-friendly” design



Downtown Hayward
(next to City Hall)

- “Pedestrian-friendly” design



Downtown Los Angeles
(near the Union Transit Station)

Community Planning Strategy: Lively Streetscapes/Complete Streets



“Neo-traditional” neighborhood design
(Front porches, street trees, bike lanes)
(*Santa Clara, CA*)



Wide sidewalk and outdoor eating
(*Silicon Valley - S.F. Bay Area*)

Community Planning Strategy:

Compact Development (urban and rural)

- *Compact Development*



- *“Sprawl”*



Photo courtesy of the Local Government Commission

Transportation-Efficient Rural Towns



Source: US EPA White Paper: "The Placemaking Premium" by Victor Dover, 2007.

(Illustrations by Dover Kohl and Partners)

Community Planning Strategy:

Preserve Main Streets

Maintain Rural Character/Context Sensitive Design



Downtown Angels Camp

SR 49 – District 10



Downtown Calistoga

SR 29 – District 4

For Main Streets Guidance, visit:

<http://www.dot.ca.gov/hq/oppd/guidance.htm>

Community Planning Strategies: Mixed Land Uses and Infill Development

- Mixed Land Uses

- Infill Development



Shops below apartments and condominiums
in "Little Italy" (near downtown San Diego)

Community Planning Strategy:

Transit-Oriented Development (TOD) - *aka “Transit Villages”*



Historic Multi-Modal Transit Station,
downtown San Diego



Oakland City Center (12th St. BART station)
- Plaza, offices, shops, restaurants

For other examples – see Caltrans’ TOD website at:
<http://TransitOrientedDevelopment.dot.ca.gov>



Community Planning Strategy: **Smart Mobility Framework**

Smart Mobility: Definition

Smart Mobility moves people and freight while enhancing California's economic, environmental and human resources by emphasizing:

- Conventional and safe multi-modal travel,
- Speed suitability,
- Accessibility,
- Management of the circulation network, and
- Efficient use of land

What Laws and Policies Support Community Planning?

2002 State “*Environmental Goals & Policies Report*” law* established planning priorities to:

- “promote Equity,
- strengthen the Economy,
- protect the Environment, and
- promote public health and safety”

Referred to as the “Three Es”

* AB 857, Govt. Code Chapter 1016



Caltrans Director's Policy #22

“Context Sensitive Solutions” (2001)

What does “Context Sensitive Solutions” mean?



An approach to meeting transportation goals in harmony with community goals and natural environments.

“Context sensitive solutions are reached through a collaborative, interdisciplinary approach involving all stakeholders.”

Deputy Directive 64-RI “Complete Streets”

(revised October 2008)

- “The Department provides for the needs of travelers of all ages and abilities in all planning, programming, design, construction, operations, and maintenance activities and products on the State highway system.”
- “The Department develops integrated, multimodal projects in balance with community goals, plans, and values... Bicycle, pedestrian, and transit travel is facilitated by creating “complete streets”...



SB 375 re: Climate Change

SB 375 became law 9/30/08; effective January 1, 2009:

1. Required the California Air Resources Board (ARB) to develop and adopt regional greenhouse gas (GHG) emission reduction targets (for cars and light trucks) for each of the state's 18 Metropolitan Planning Organizations (MPOs).
2. Required each MPO to adopt a Regional Transportation Plan (RTP) that meets ARB's regional GHG reduction target – *with extensive input from the public and other government agencies*. These plans must include a “sustainable communities strategy” (SCS).
... & other provisions re: environmental streamlining, housing elements, planning, etc.

What are the main activities of the HQ Office of Community Planning?

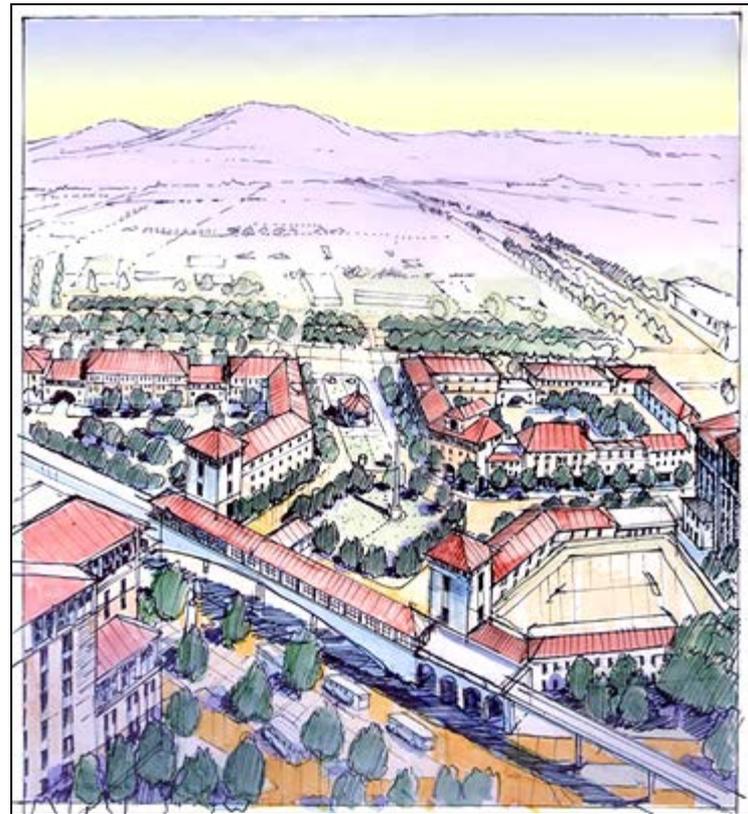
- **Public Participation/Engagement**
- **Community and Environmental Justice Planning Grants & Technical Assistance**
- **Special Studies & Analysis Tools**
- **Native American Liaison**
- **Local Development & Intergovernmental Review**
- **Complete Streets & Smart Mobility**



HQ Community Planning Activities:

Community-Based Transportation Planning (CBTP) and Environmental Justice (EJ) Grants

- Provide 'seed funding' for local planning that integrate land use, transportation, community involvement and environmental justice.
- MPO's/RTPA's, Cities and Counties, Transit Agencies, and Native American Tribal Governments may apply.
- *For more information:*
<http://www.dot.ca.gov/hq/tpp/grants.html>



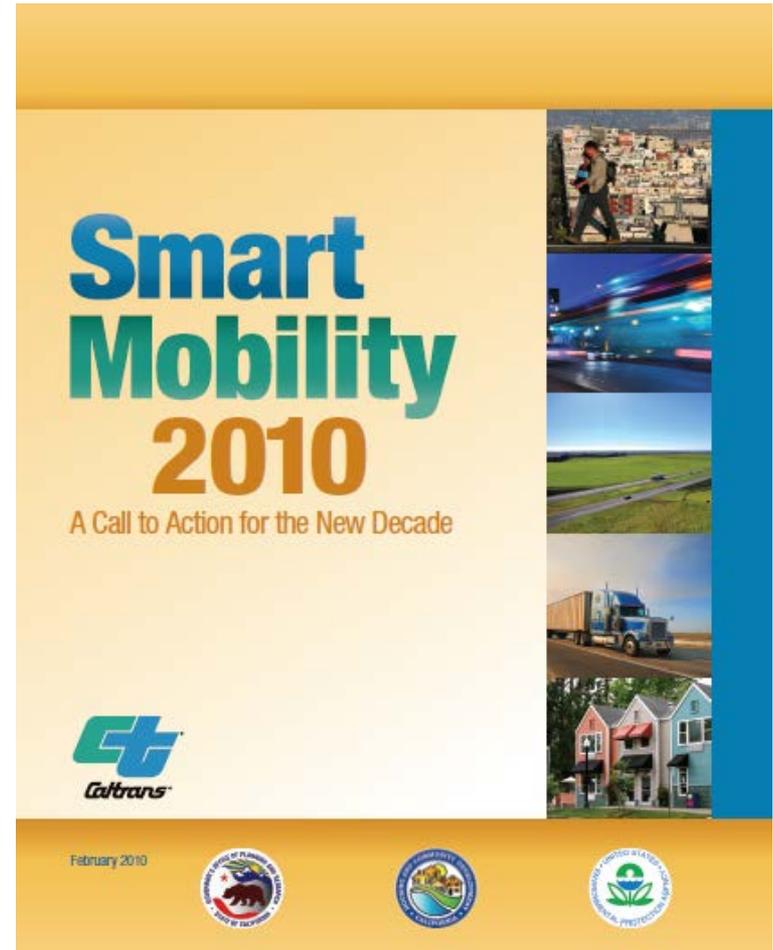
Site plan for the Pleasant Hill TOD in the SF Bay Area

Smart Mobility Framework

- Definition
- Principles
- Objectives
- Place Types
- Performance Measures
- Strategies

Pilot Studies Underway

- I-680 CSMP
- Sub-Regional Plan (SBCCOG)



Why Complete Streets?

- **Benefits of Complete Streets**
 - Increase physical activity, improve public health and safety
 - Provide options and access for non-drivers
 - Decrease vehicle trips, air pollutant and greenhouse gas emissions
 - Improve livability, revitalize communities, and decrease transportation costs

Complete Streets--

- **Roadway type**
 - **Main Street**
 - **Urban**
 - **Rural highway**
- **Land uses** (existing & planned)
- **Bike & Pedestrian Plans**
- **Safety & usage data**
- **Transit service** (existing & planned)

Why is Transit Connectivity so important?

- Administration support for HSR
- Changing travel trends
- Increasing focus on social equity and access
- Climate change, AB 32, SCSs
- CA @ 50 million
- Shifting focus to operations and maintenance
- Shrinking transportation funds
- New reports—SSTI, Program Review, CTIP



The department website states:

*“The Division of Transportation Planning’s High-Speed Rail Transit Connectivity Program (HSR-TCP) was created on July 1, 2012 to assist Caltrans California Intercity Rail (CIR), California High-Speed Rail Authority (CHSRA), regional and local agencies, and transit operators in establishing **healthy, sound multimodal transportation connections** critical for the success of the HSR blended system.”*

Further:

“The HSR-TCP is focused on the following activities:

- *Assisting in the development of **station area plans**;*
- *Developing **transportation and land use connections** critical to **multimodal connectivity**;*
- *Developing long-term **strategies, policies, and strategic plans** to improve and ensure **connectivity** of the State's transportation system, while **protecting the environment** and affected communities;*
- ***Building partnerships** with tribal governments, regional and local governments, transit operators, partner agencies, and stakeholders;”*

What has been done?

- Staff assigned—HQs and Districts
- Resources redirected
- Website created
- Initial activities identified
- Engagement and outreach started
- Internal roles and responsibilities clarified
- Coordination meetings

Transit: Accessible and Connected



Bus Rapid Transit

- Transit Signal Priority
 - Extends green time for buses
- Dedicated Bus Lane (Median or Curb)
- Rail-like Stations
 - Ticket Vending Machines
 - Level Boarding
- “Next Bus” Real-Time Information



E. 14TH ST. @ 143RD AVE. - SAN LEANDRO - PROPOSED

SAN LEANDRO SOUTH STATION

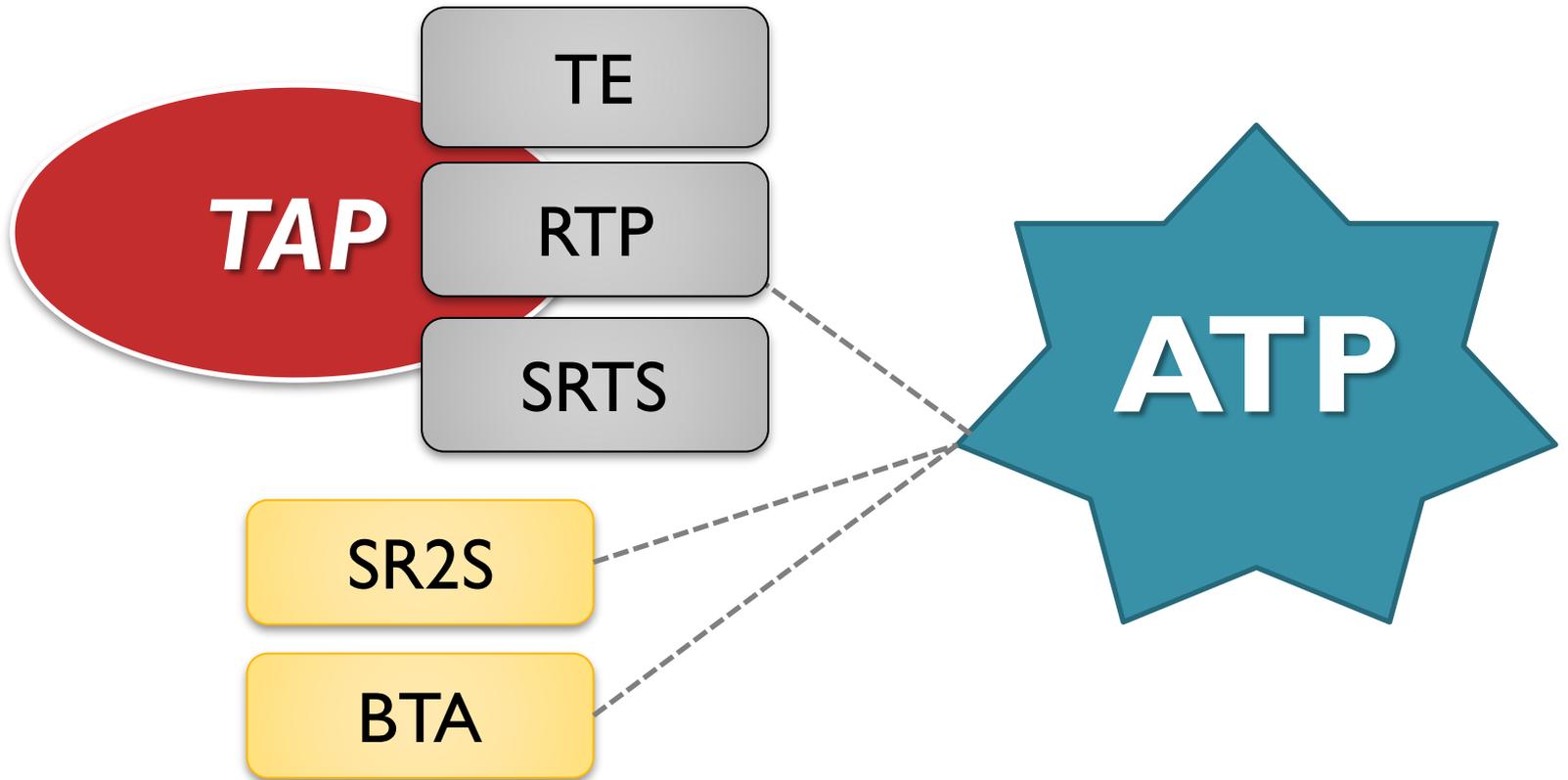
What's next?

- Define traditional vs. enhanced transit tasks
- Identify activities and staff leads
- Affirm and articulate direction
- Conduct meetings, teleconferences, webinars, and workshops

You can help!

- Brainstorm and provide feedback on traditional vs. enhanced transit tasks
- Identify specific initiatives
- Consider how you can change what you do to improve connectivity

Active Transportation Program



Achieving Multimodal Success

- Participate, persevere, patience, partner
- Identify community needs, stakeholders, & options
- Consider creative funding
- Regional Planning—MPOs, RTPAs
- System Planning—TCRs
- Projects Initiation Documents & PDTs
- District staff are there to help!

Resources

- Complete Streets Program website:
www.dot.ca.gov/hq/tpp/offices/ocp/complete_streets.html
- Strategic Highway Safety Plan: <http://www.dot.ca.gov/SHSP/>
- Smart Mobility: <http://www.dot.ca.gov/hq/tpp/offices/ocp/smf.html>
- AB 819: <http://www.dot.ca.gov/hq/oppd/ab819/>
- Main Street, California:
<http://www.dot.ca.gov/hq/LandArch/mainstreet/>
- Active Transportation Program:
<http://www.dot.ca.gov/hq/LocalPrograms/atp/>
- High-Speed Rail Transit Connectivity Program:
<http://www.dot.ca.gov/hq/tpp/offices/ocp/hsr.html>

Resources

- SACOG Complete Streets Toolkit: <http://www.sacog.org/complete-streets/toolkit/START.html>
- Context Sensitive Solutions: <http://contextsensitivesolutions.org/>
- American Planning Association Complete Streets resources: <http://www.planning.org/research/streets/resources.htm>
- FHWA Bike/Ped resources: <http://www.fhwa.dot.gov/environment/bikeped/>
- www.pedbikeinfo.org
- www.completestreets.org

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