12 Transportation Steps for a Thriving Downtown Fresno

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12 Transportation Steps for a Successful Downtown Fresno

1. Measure what's important
2. Make walking a pleasure
3. Make bicycling safe for everyone
4. Make all streets work for all modes: Complete Streets
5. Plant trees
6. Manage parking
7. Design parking well
8. Celebrate the grid
9. Make development easier and cheaper downtown
10. Make the right transit investments at right time
11. Plan for High Speed Rail
12. Allocate your funds wisely

1. Measure what’s important

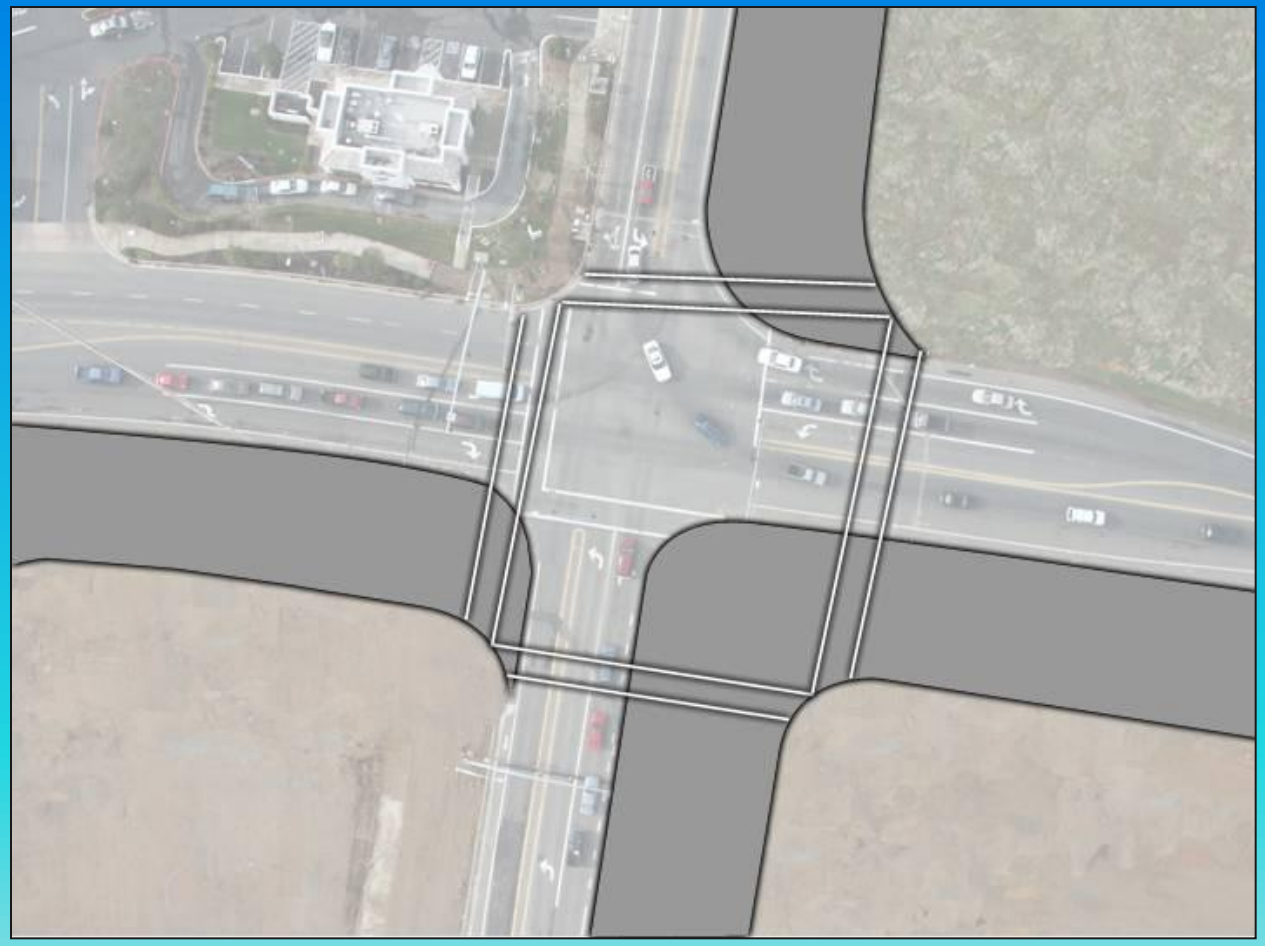
For every transportation project, ask:

- How much private investment will it generate?
- What’s the Return on Investment?
- Will it make Downtown a more attractive place to live?
- How can funding be leveraged?
- When is the right time to build it?
- What else need to be built to maximize its benefit?

Intersection LOS

To a driver:	**LOS A**	**LOS F**
To an economist:	**LOS F**	**LOS A**

Levels of Service - Perspective



Intersection operating at LOS E during peak hours being widened to achieve LOS C

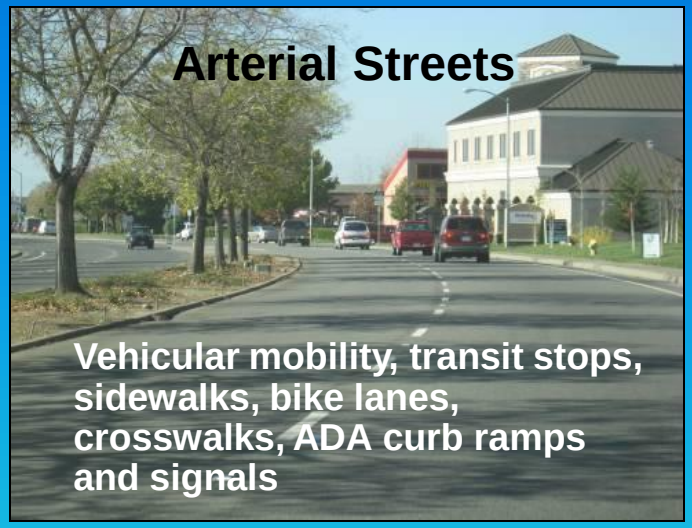
- Less bicycle/ pedestrian friendly
- Increased impervious surface
- Lost habitat
- Higher vehicle speeds
- More Cost

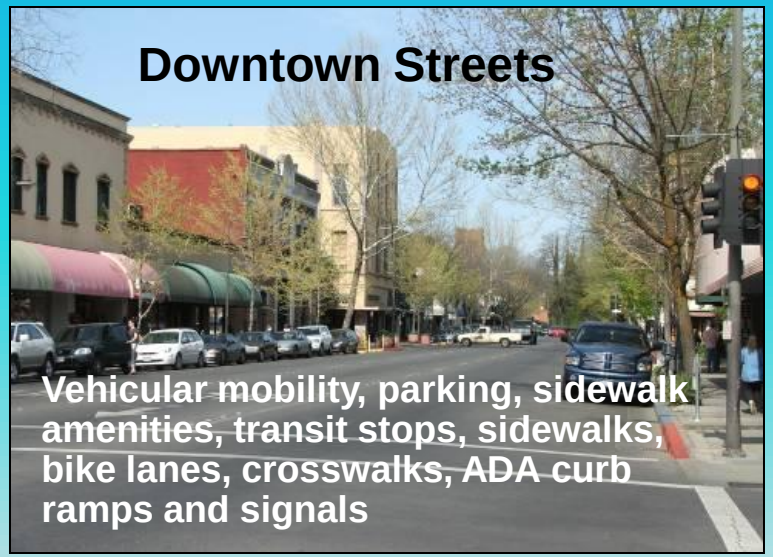
2. Make Walking a Pleasure

3. Make Bicycling Safe for Everyone

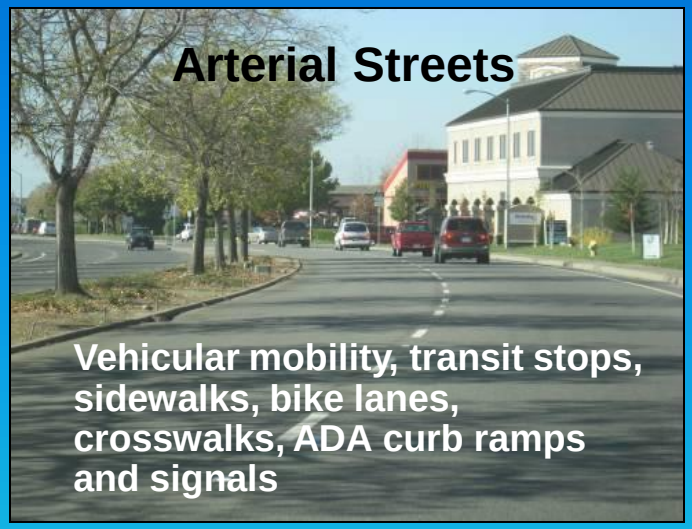
SPEED
LIMIT
30

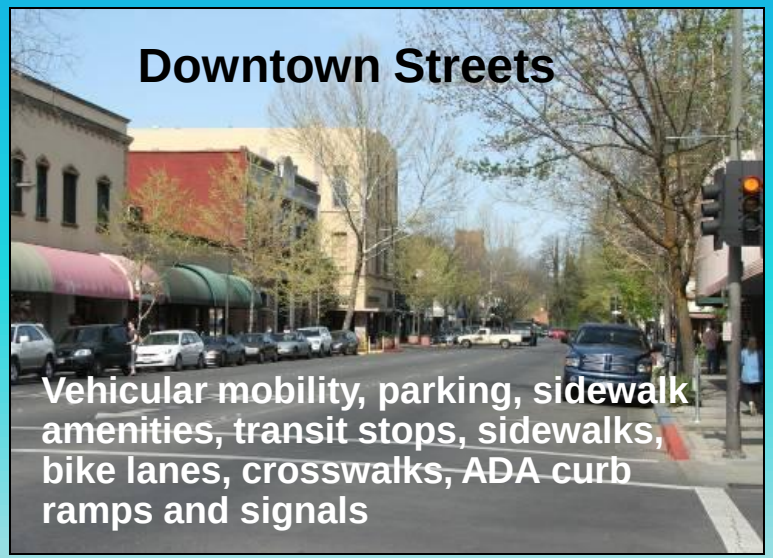
4. Make streets work for all modes: Complete Streets



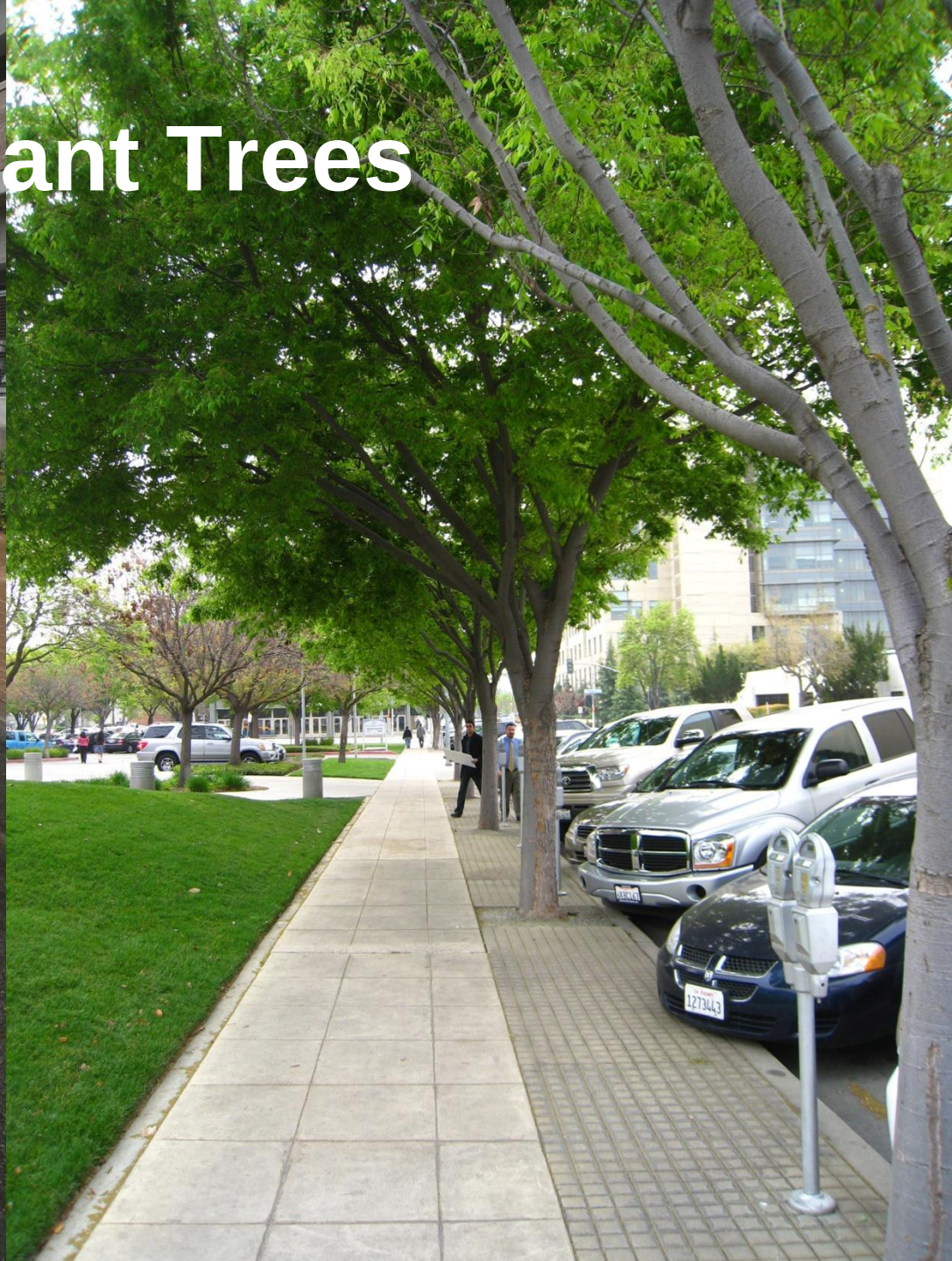


Complete Streets - Examples





5. Plant Trees

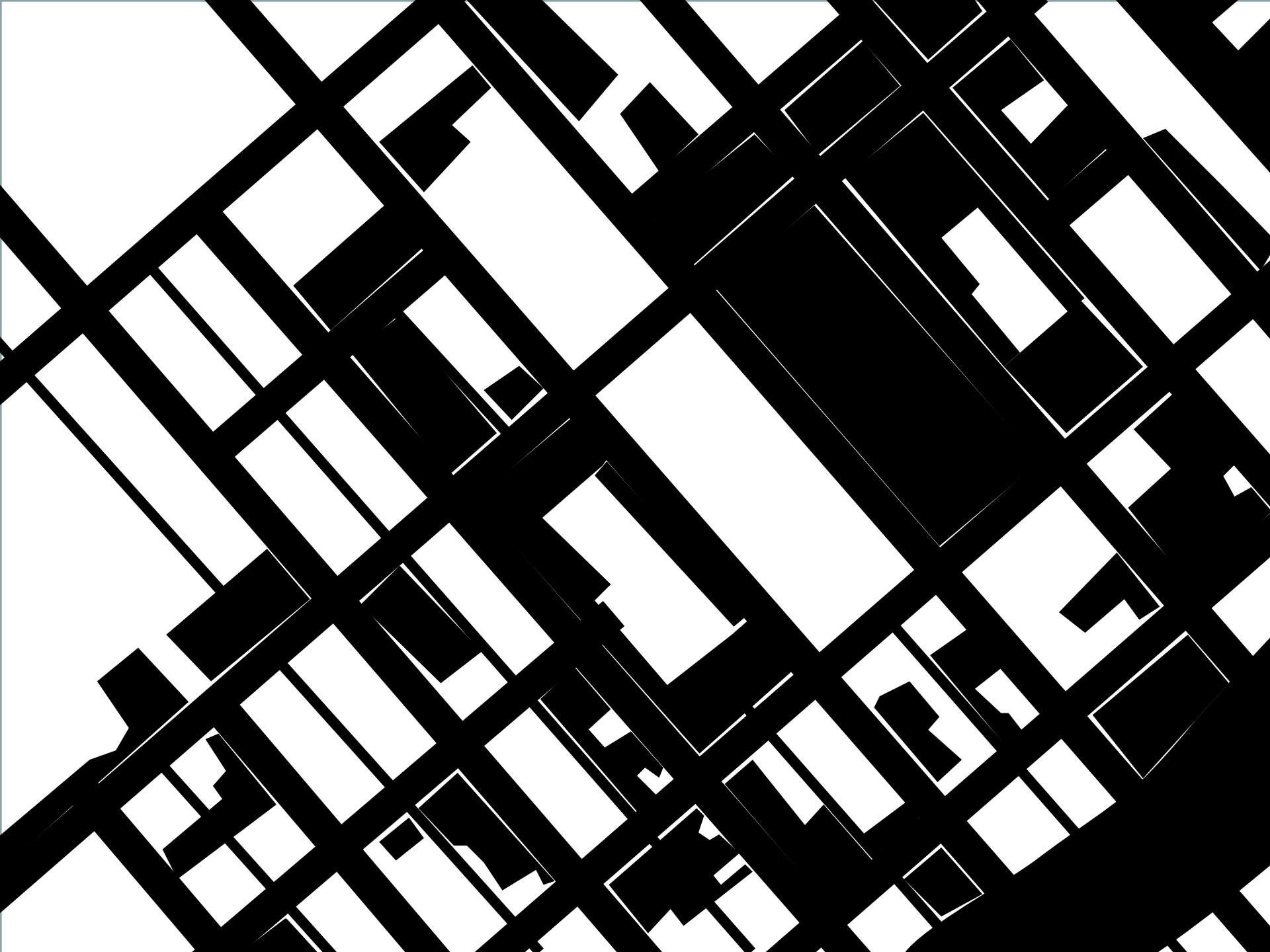


5EXB332

Stanislaus

6. Manage Parking

$20,000
$20,000
$20,000



7. Design Parking Well

8. Celebrate the Grid

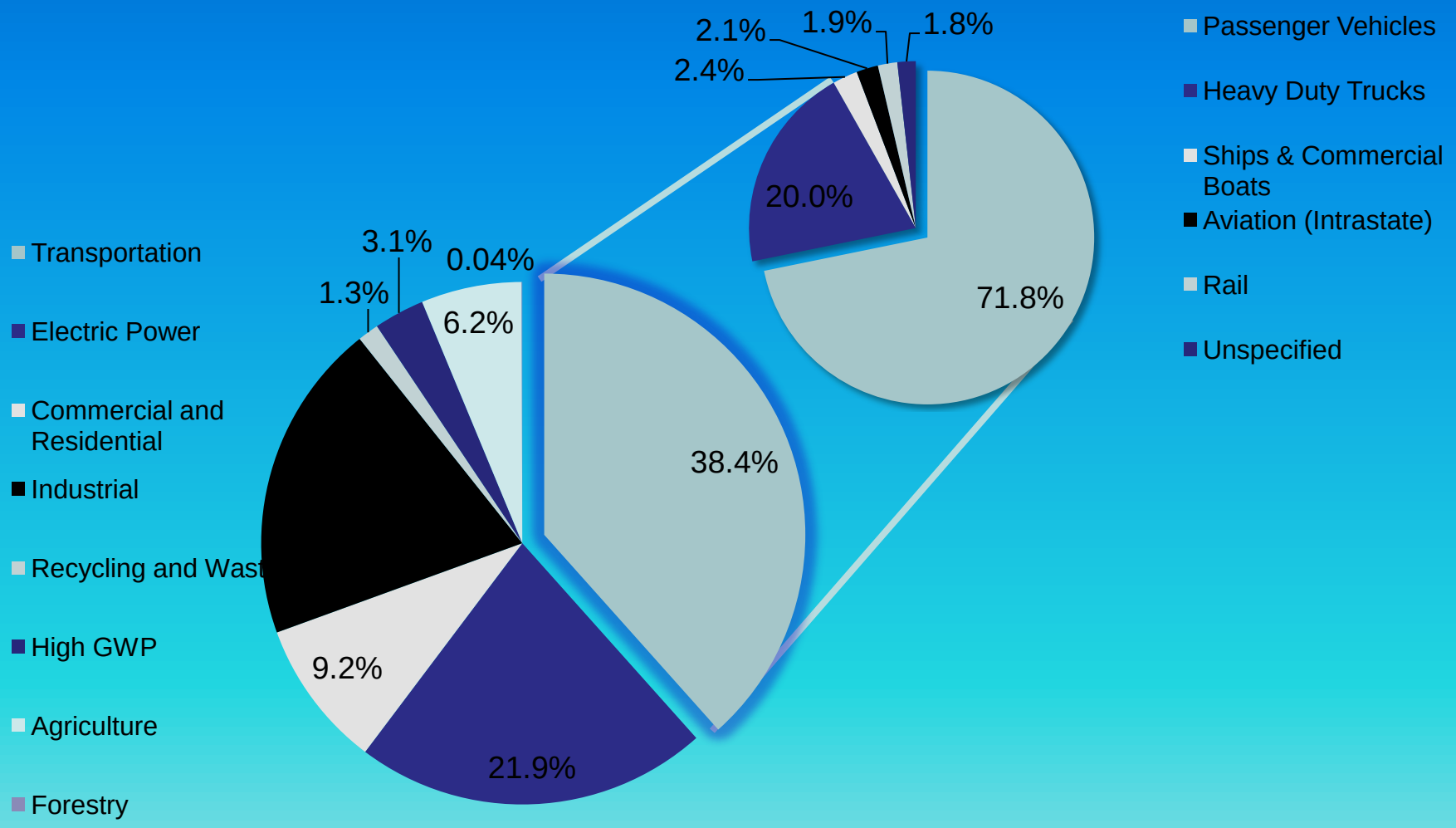
A

ELIMINATION OF CERTAIN EXISTING STREETS AND CREATION OF SUPERBLOCKS

9. Make development easier downtown

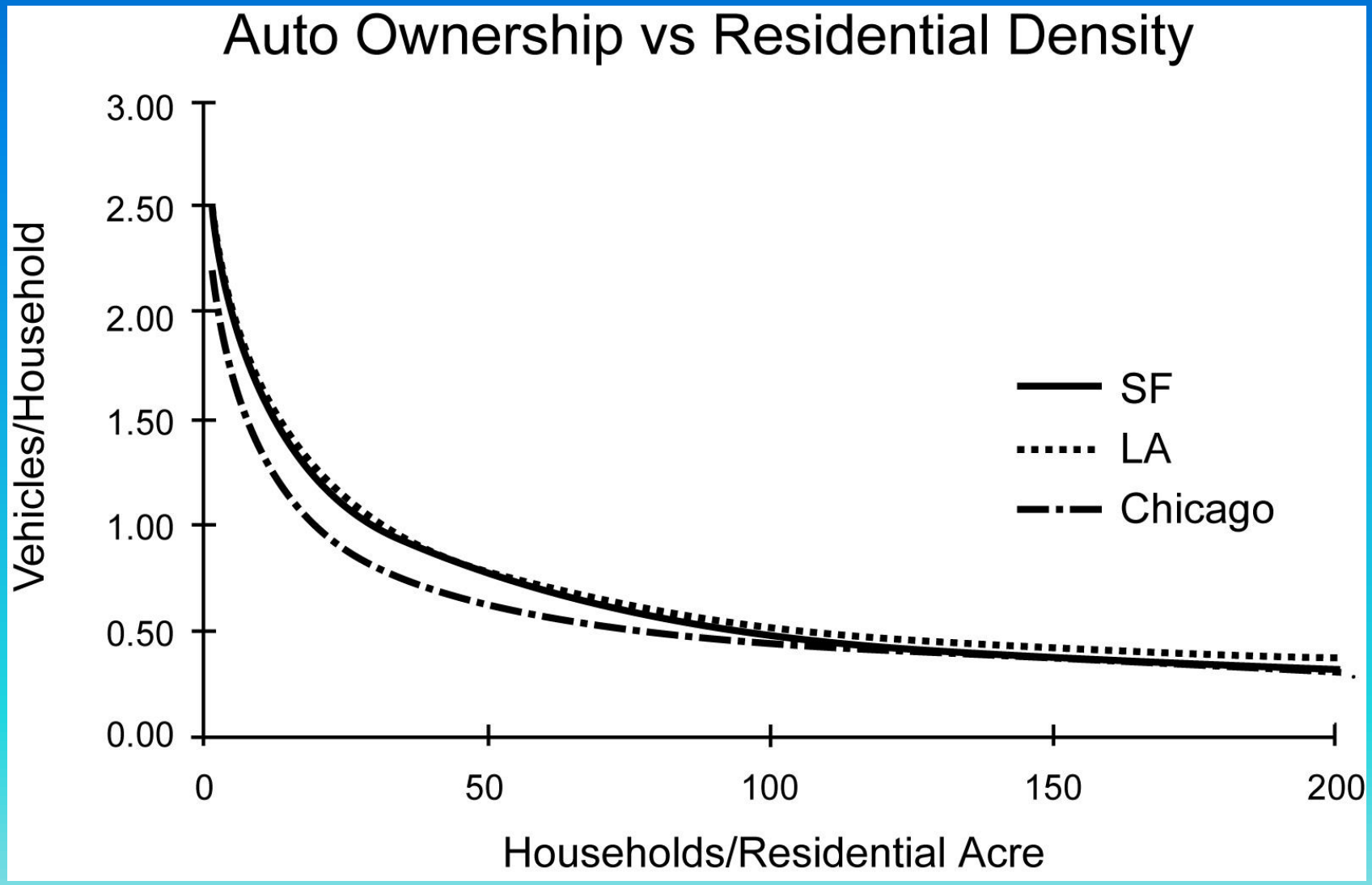
California Total CO_2 Emissions

California Transportation Emissions

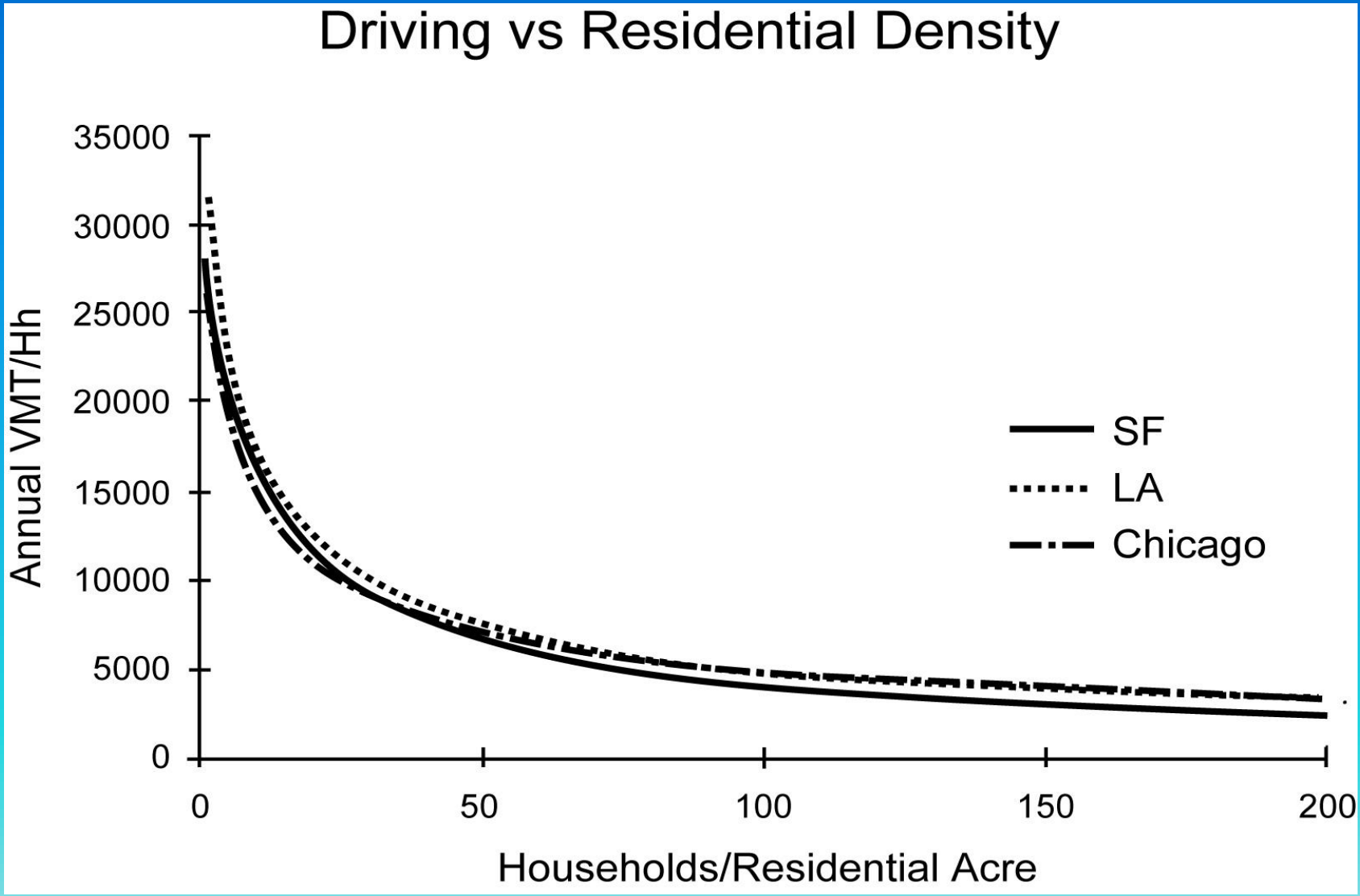


Source: 2006 California Air Resources Board Greenhouse Gas Inventory

How land-use affects travel demand



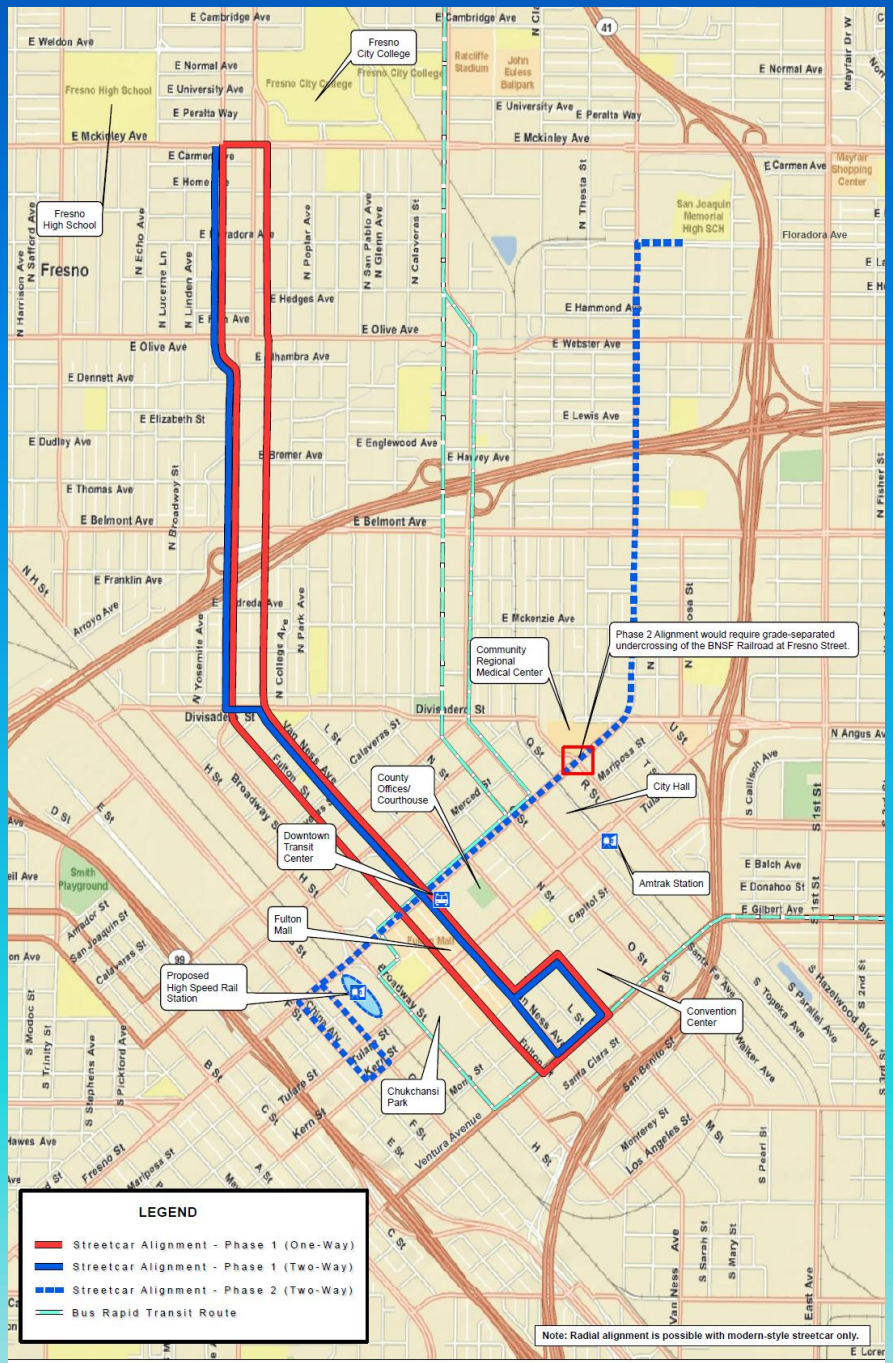
How land-use affects travel demand



10. Make the Right Transit Investments at the Right Time

New Technology?

Streetcar for Fresno?



Kimley-Horn and Associates, Inc.

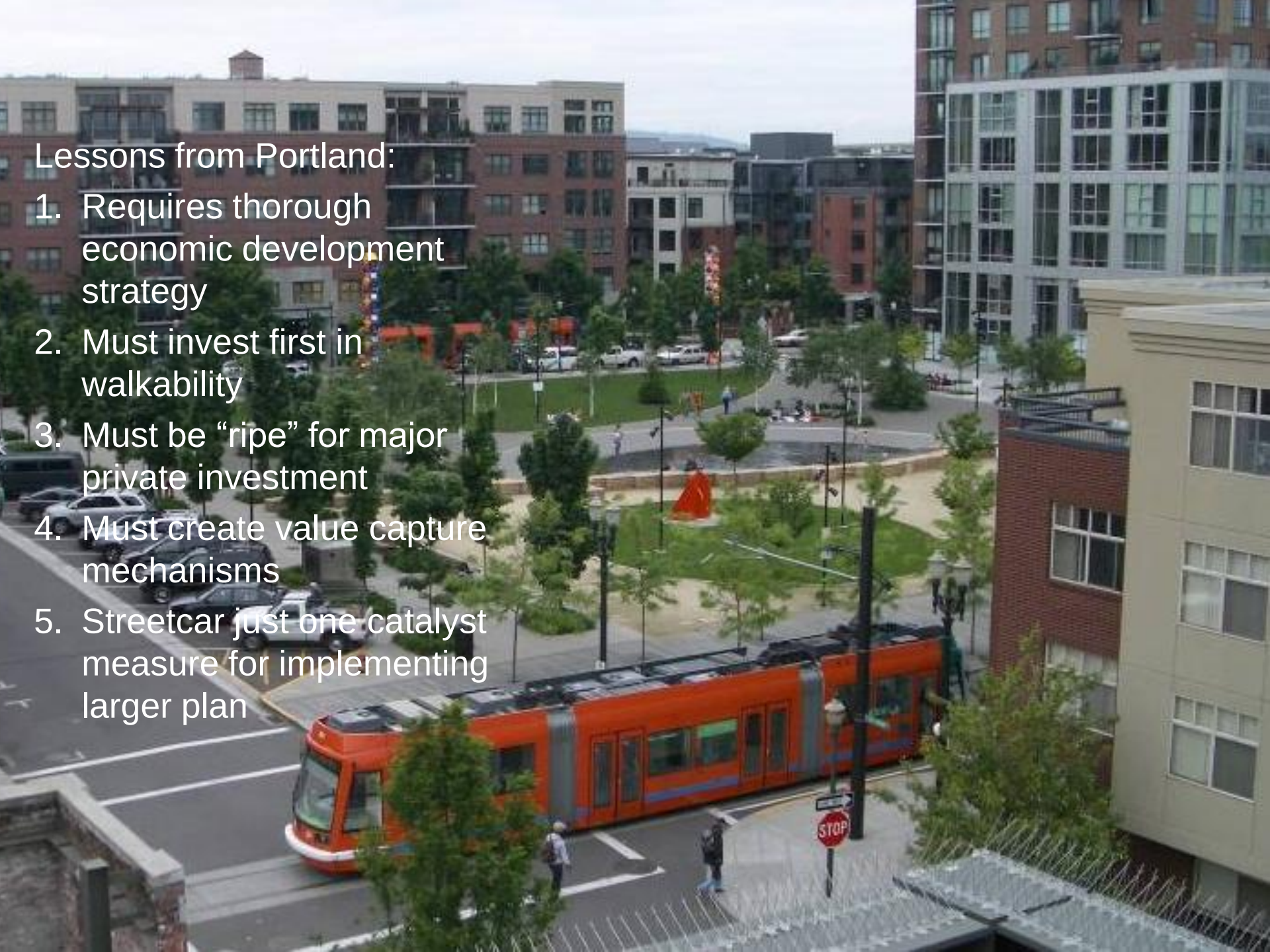
Downtown Fresno Streetcar Study

Preliminary Alignments (September 2010)

1:14,639

Welcome
Hoan nghênh
歡迎

COFFEES
HEALTH
CAFE ESPRESS
CAFE BAKERY GALLERY



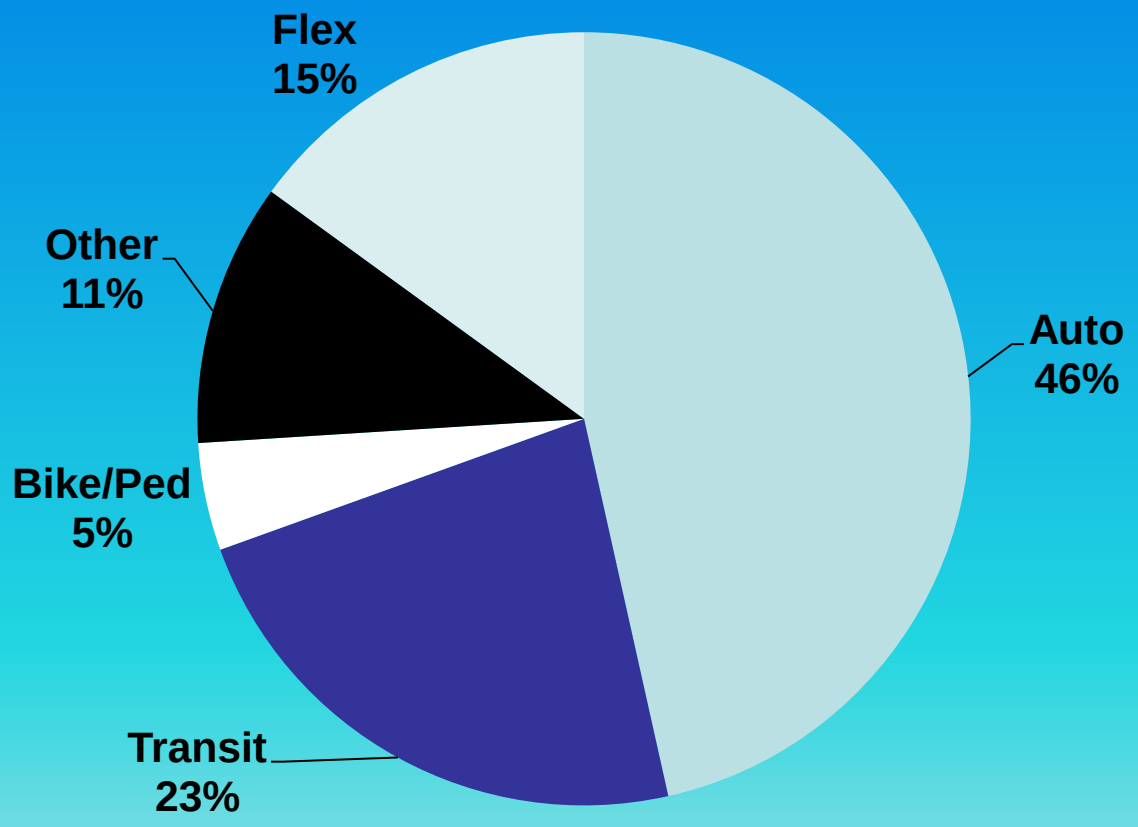
Lessons from Portland:

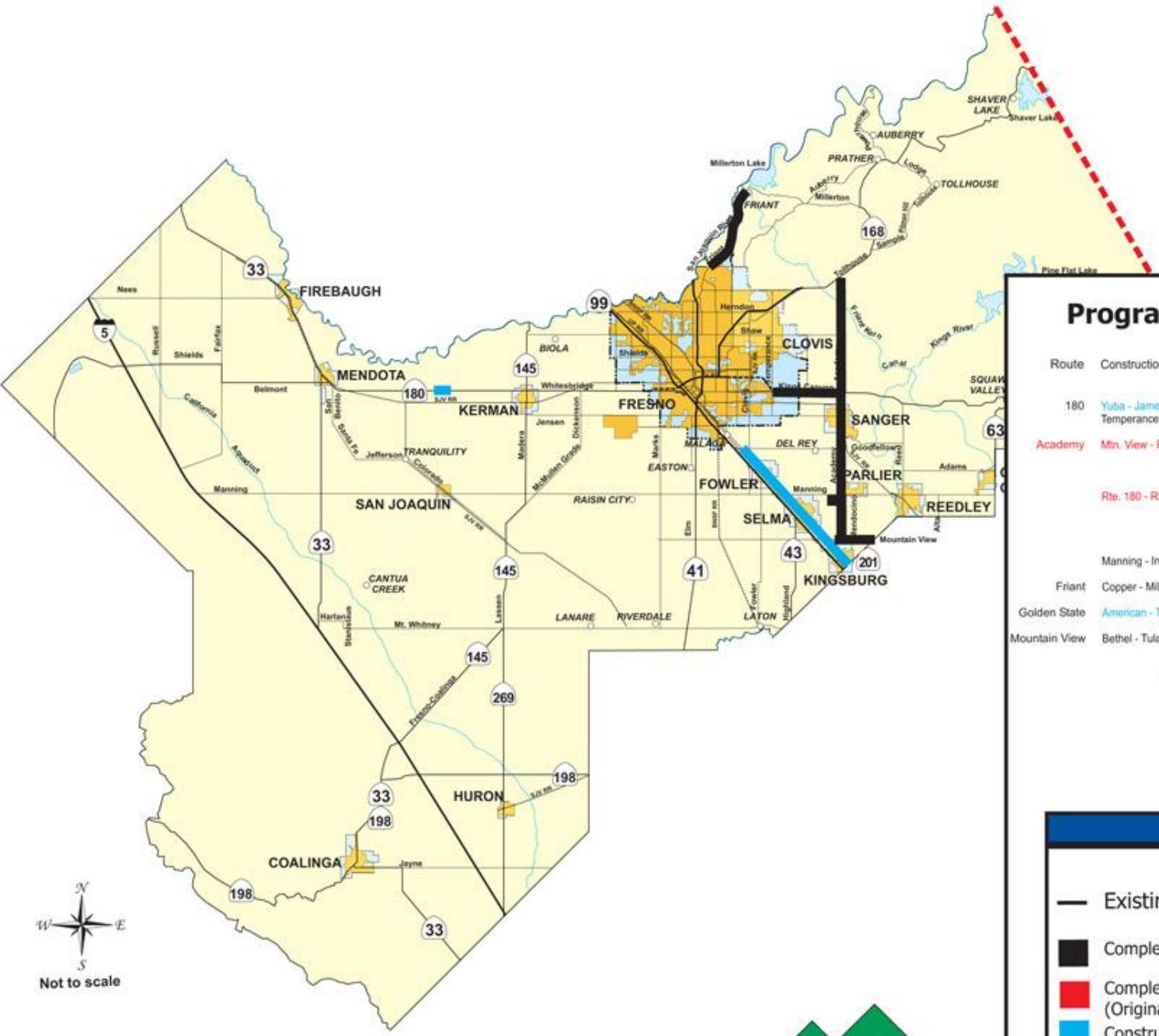
1. Requires thorough economic development strategy
2. Must invest first in walkability
3. Must be “ripe” for major private investment
4. Must create value capture mechanisms
5. Streetcar just one catalyst measure for implementing larger plan

11. Plan for High Speed Rail

12. Allocate your funds wisely

Measure C Funding Allocation by Mode





Programmed Rural Projects

Route	Construction Limits	Cost/ Millions	Project Description
180	Yuba - James	$ 11.782	Passing Lanes
	Temperance - Academy	$ 78.443	Widen to 4 lane Div. Expressway
Academy	Mtn. View - Rte. 180	$ 42.15	2 lane highway (Rte.99 - Manning) 4 lane highway (Manning - Rte.180)
	Rte. 180 - Rte. 168	$ 18.15	4 lane highway (Rte.180 to Shaw) 2 lane highway (Shaw to Rte.168)
	Manning - Industrial Park	$ 3.536	Reconstruction
Friant	Copper - Millerton	$ 4.120	Widen to 4 Ln Div. Expressway
Golden State	American - Tulare Co. Line	$43.828	Corridor Improvements
Mountain View	Bethel - Tulare Co. Line	24.063	Widen to 4 Ln Div. Arterial
	Total	**$ 212.242**	

NORTH
Not to scale

LEGEND

- Existing System
- Complete or Under Construction in 2010/11
- Complete or Under Construction in 2010/11 (Original Measure C Funding)
- Construction Start in 2014/15 or 2015/16

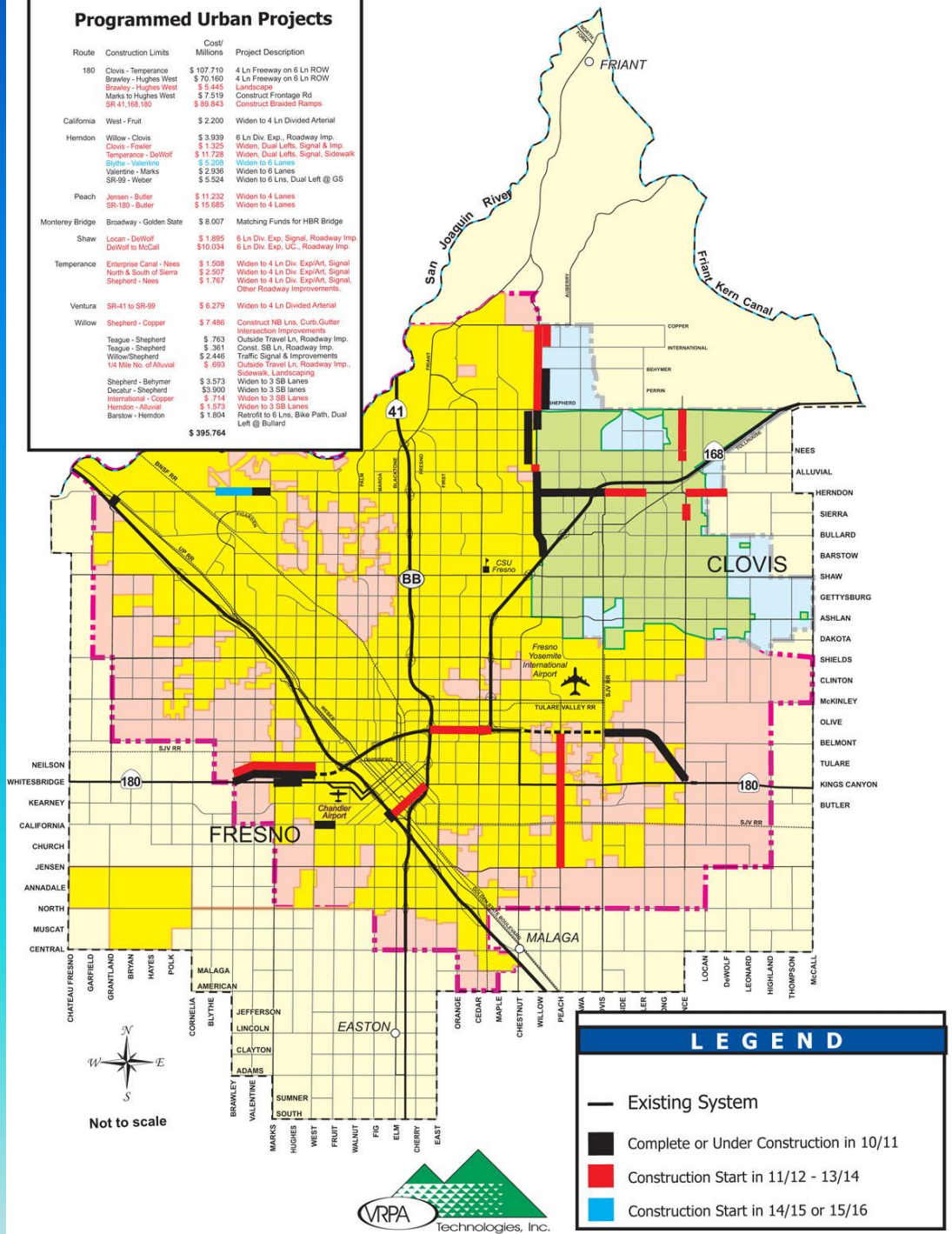
VRPA Technologies, Inc.

Measure C

- Of the $396 million in Programmed Urban Projects in Measure C, $6.3 Million will directly benefit downtown.
- Of all Programmed Projects, 1% benefit downtown.
- Maximize use of all flexible funds to benefit downtown

Programmed Urban Projects

Route	Construction Limits	Cost/ Millions	Project Description
180	Clovis - Temperance	$ 107.710	4 Ln Freeway on 6 Ln ROW
	Brawley - Hughes West	$ 70.160	4 Ln Freeway on 6 Ln ROW
	Brawley - Hughes West	$ 5.445	Landscape
	Marks to Hughes West	$ 7.519	Construct Frontage Rd
	SR 41,168,180	$ 89.843	Construct Braided Ramps
California	West - Fruit	$ 2.200	Widen to 4 Ln Divided Arterial
Herndon	Willow - Clovis	$ 3.939	6 Ln Div. Exp., Roadway Imp.
	Clovis - Fowler	$ 1.325	Widen, Dual Lefts, Signal & Imp.
	Temperance - DeWolf	$ 11.728	Widen, Dual Lefts, Signal, Sidewalk
	Blythe - Valentine	$ 5.208	Widen to 6 Lanes
	Valentine - Marks	$ 2.936	Widen to 6 Lanes
	SR-99 - Weber	$ 5.524	Widen to 6 Lns, Dual Left @ GS
Peach	Jensen - Butler	$ 11.232	Widen to 4 Lanes
	SR-180 - Butler	$ 15.685	Widen to 4 Lanes
Monterey Bridge	Broadway - Golden State	$ 8.007	Matching Funds for HBR Bridge
Shaw	Locan - DeWolf	$ 1.895	6 Ln Div. Exp, Signal, Roadway Imp.
	DeWolf to McCall	$10.034	6 Ln Div. Exp, UC., Roadway Imp.
Temperance	Enterprise Canal - Nees	$ 1.508	Widen to 4 Ln Div. Exp/Art, Signal
	North & South of Sierra	$ 2.507	Widen to 4 Ln Div. Exp/Art, Signal
	Shepherd - Nees	$ 1.767	Widen to 4 Ln Div. Exp/Art, Signal, Other Roadway Improvements.
Ventura	SR-41 to SR-99	$ 6.279	Widen to 4 Ln Divided Arterial
Willow	Shepherd - Copper	$ 7.486	Construct NB Lns, Curb,Gutter Intersection Improvements
	Teague - Shepherd	$ .763	Outside Travel Ln, Roadway Imp.
	Teague - Shepherd	$ .361	Const. SB Ln, Roadway Imp.
	Willow/Shepherd	$ 2.446	Traffic Signal & Improvements
	1/4 Mile No. of Alluvial	$ .693	Outside Travel Ln, Roadway Imp., Sidewalk, Landscaping
	Shepherd - Behymer	$ 3.573	Widen to 3 SB Lanes
	Decatur - Shepherd	$3.900	Widen to 3 SB lanes
	International - Copper	$ .714	Widen to 3 SB Lanes
	Herndon - Alluvial	$ 1.573	Widen to 3 SB Lanes
	Barstow - Herndon	$ 1.804	Retrofit to 6 Lns, Bike Path, Dual Left @ Bullard
		$ 395.764	



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