PEDESTRIAN FRIENDLY AND TRANSIT ORIENTED

TRANSPORTATION

STRATEGIES

&

URBAN FORM APPROACHES

PEDESTRIAN FRIENDLY AND TRANSIT ORIENTED

What Happened?

PEDESTRIAN FRIENDLY AND TRANSIT ORIENTED

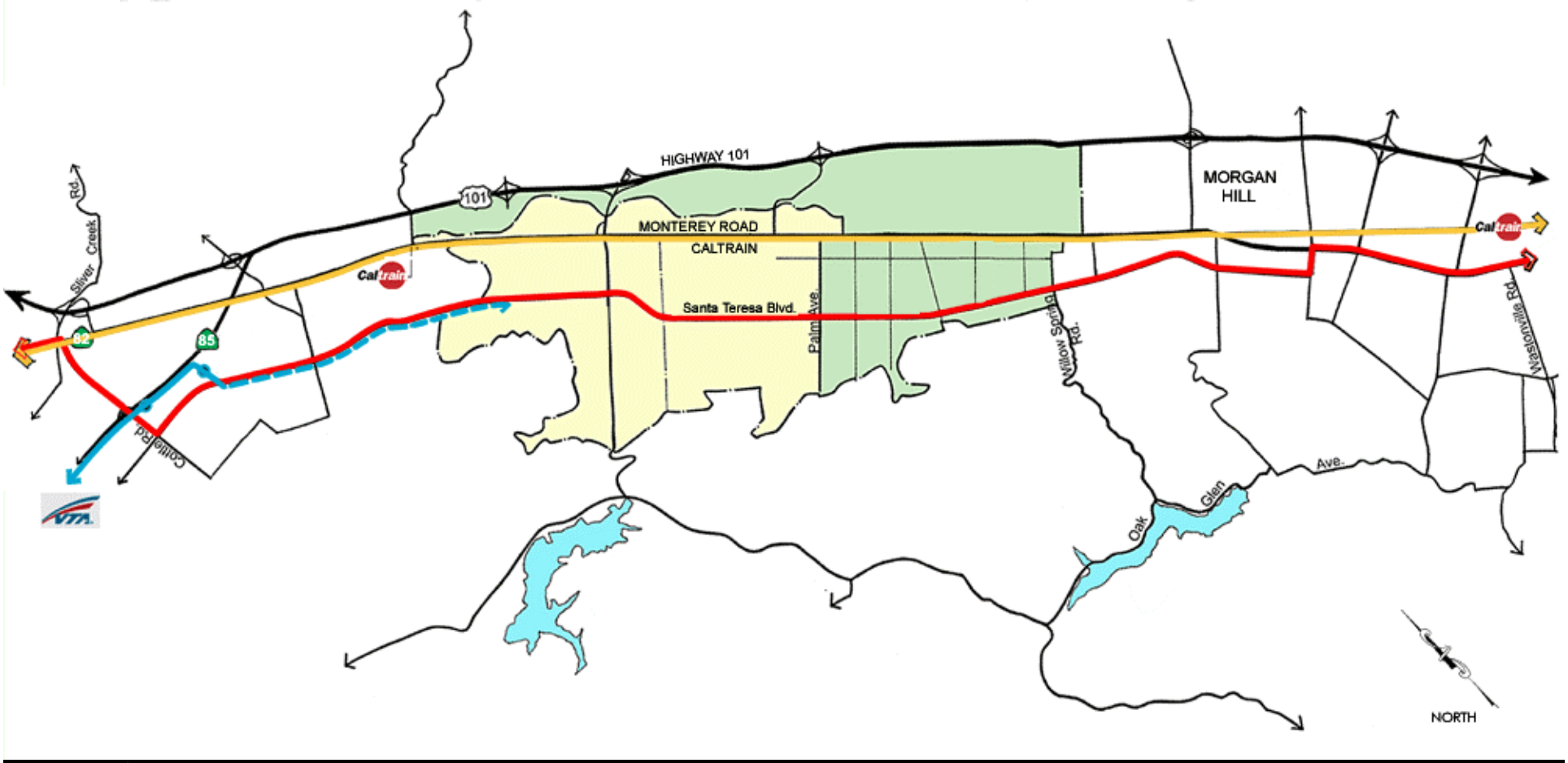
We love our cars

PEDESTRIAN FRIENDLY AND TRANSIT ORIENTED

Existing Transit Modes

PEDESTRIAN FRIENDLY AND TRANSIT ORIENTED

Existing Transportation Network



PEDESTRIAN FRIENDLY AND TRANSIT ORIENTED

Strategy: Internal Trip Capture

MID DEVELOPMENT DENSITY TRAFFIC AND PARKING BY MODE OF TRAVEL with PR

1 school employee per	15	students	(no vacation or travel reductions for school employees because they tend to be all at once)
Commuters per job =jobs-7% vacation-5%travel=jobs x		88%	
Employees/household (von)	1.6		

Live Within Coyote

Walk %	Walk #	Bike %	Bike #	PRT, Trolly, Light Rail, Cel-taxi %	PRT, Trolly, Light Rail, Cel-taxi #	Bus %	Bus #	Pvt Car %	Pvt Car #	Car Pool %	Car Pool #	Total Within Coyote %	Total Within Coyote #
	4,034		3,214		5,307		541		4,149		1,620		18,866
2%	35.2	5%	88	13%	228.8		0	13%	228.8	2%	35.2	35%	616
2%	210.8832	5%	527.208	13%	1370		0	13%	1370.7	2%	210.88	35%	3690.456
2%	9	5%	22	13%	57		0	13%	57	2%	9	35%	154
2%	9	5%	22	13%	57		0	13%	57	2%	9	35%	154
2%	0	5%	4.4E-05	13%	0		0	13%	0	2%	0	35%	0.000308

EXAMPLE

r Pool	4 per car #	Total Within Coyote %	#
	1,157		
2%	176	35%	
2%	176	35%	
2%	28	35%	
2%	141	35%	
2%	18	35%	
2%	35	40%	
2%	18	40%	
2%	18	40%	
2%	21	28%	

PEDESTRIAN FRIENDLY AND TRANSIT ORIENTED

Strategy: Dispersed Transportation Technologies

PEDESTRIAN FRIENDLY AND TRANSIT ORIENTED

Strategy: Structured Shared Parking

Surface Parking inhibits pedestrian convenience

PEDESTRIAN FRIENDLY AND TRANSIT ORIENTED

Strategy: Structured Shared Parking

Structured Parking supports Pedestrian Convenience

PEDESTRIAN FRIENDLY AND TRANSIT ORIENTED

Strategy: Structured Shared Parking

Shared Parking is More Efficient

PEDESTRIAN FRIENDLY AND TRANSIT ORIENTED

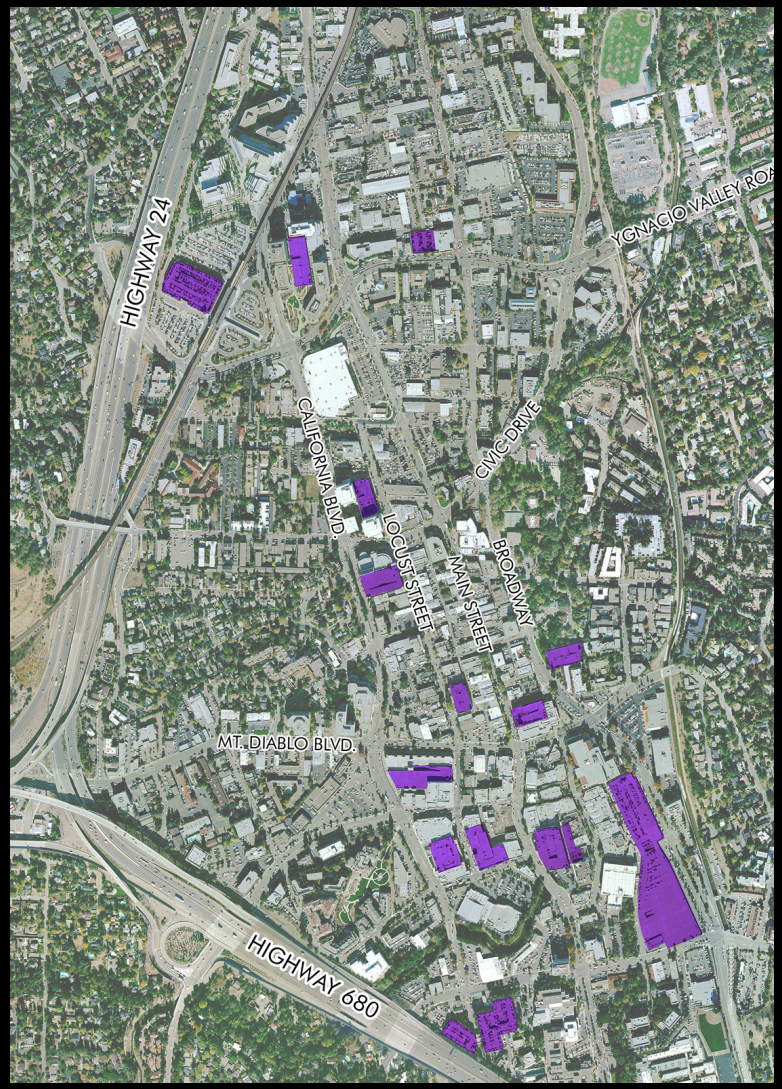
Strategy: Structured Shared Parking

Simple structural economies

PEDESTRIAN FRIENDLY AND TRANSIT ORIENTED

Strategy: Structured Shared Parking

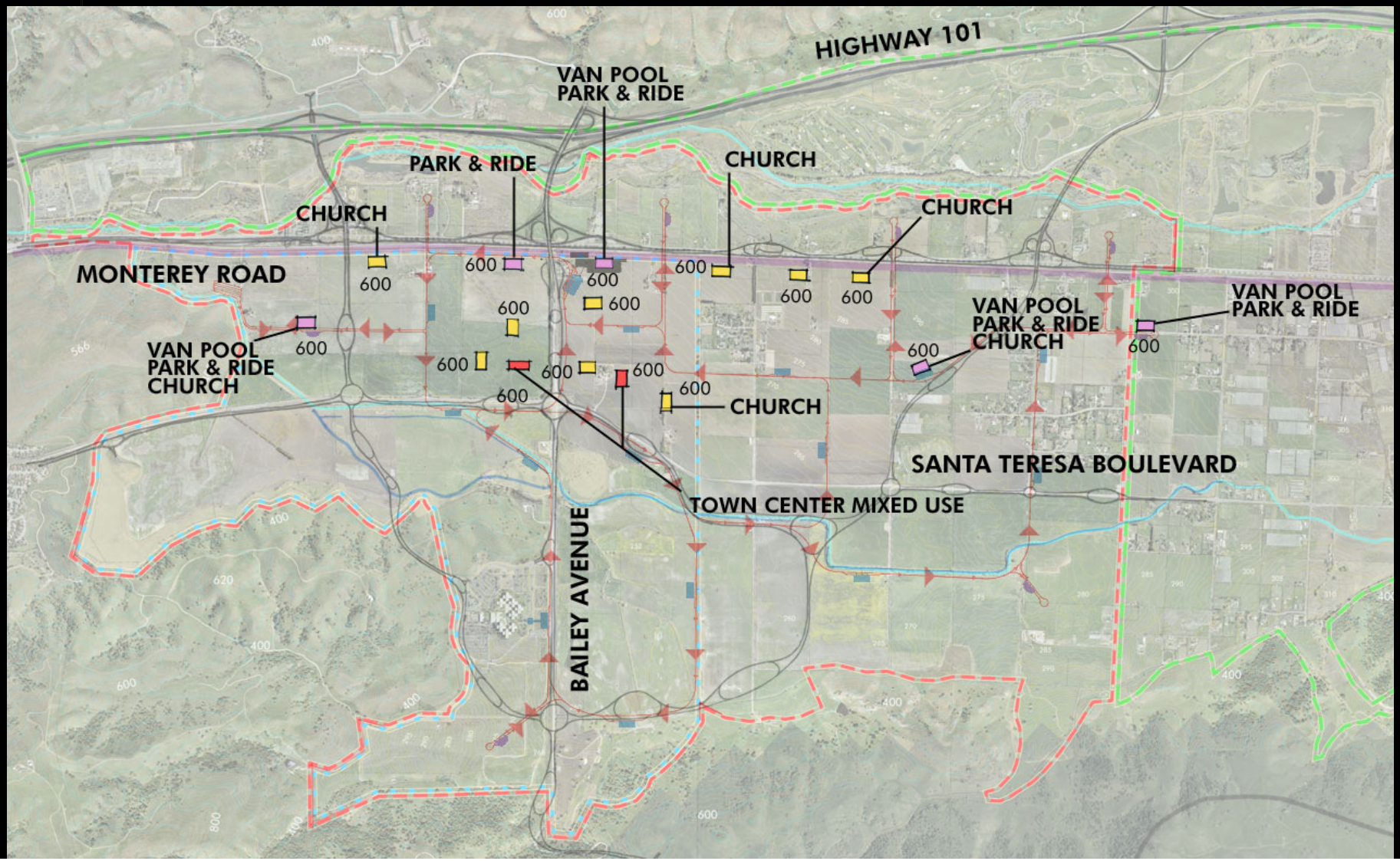
Walnut Creek
Parking



PEDESTRIAN FRIENDLY AND TRANSIT ORIENTED

Strategy: Structured Shared Parking

A Coyote Structured Shared Parking District



PEDESTRIAN FRIENDLY AND TRANSIT ORIENTED

URBAN FORM TRANSIT APPROACHES

Fixed Route Transit Spine

New Technology Personal Rapid Transit Network

PEDESTRIAN FRIENDLY AND TRANSIT ORIENTED

Urban Form Transit Approach:

Fixed Route Transit Spine

PEDESTRIAN FRIENDLY AND TRANSIT ORIENTED

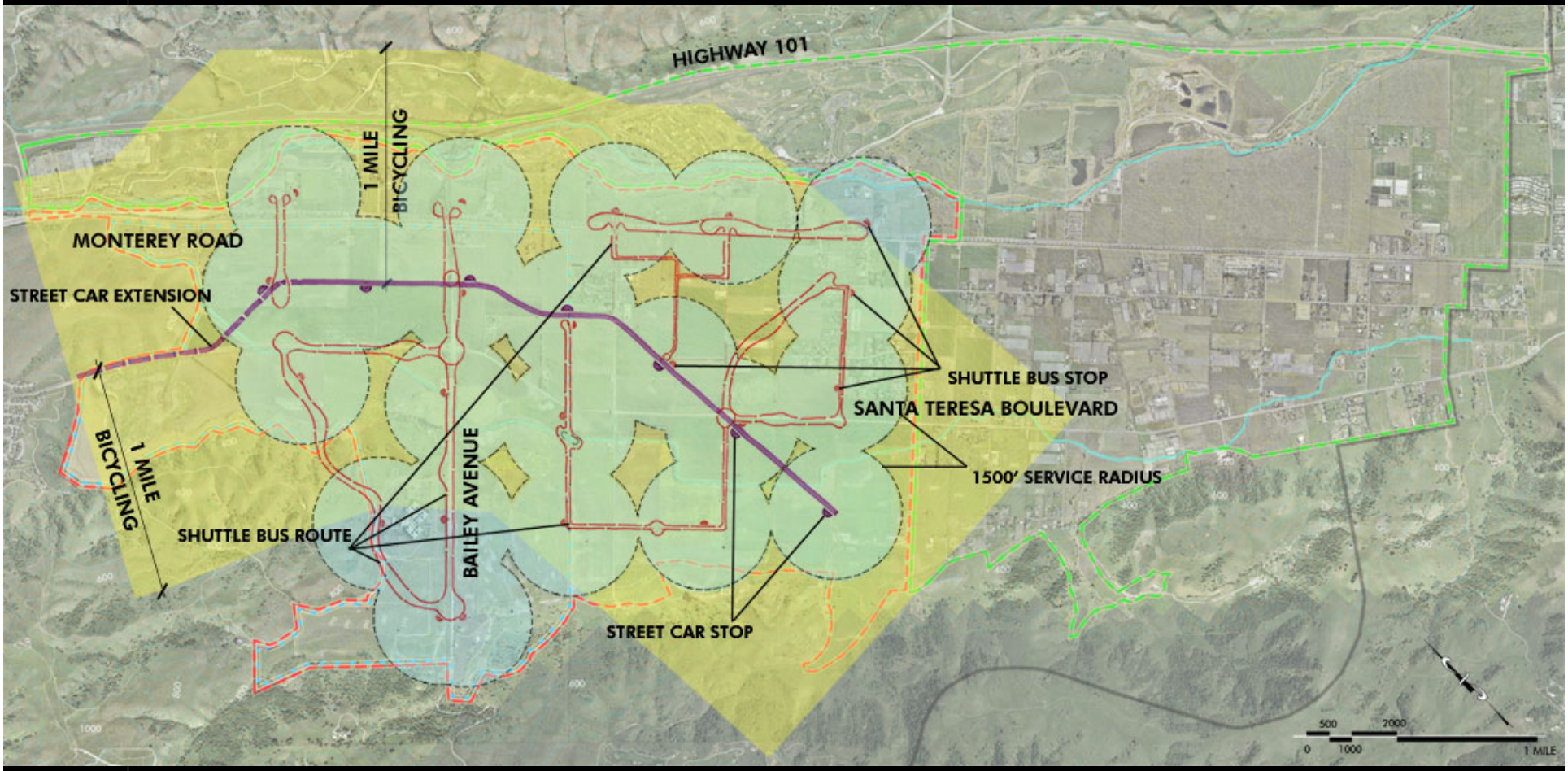
Urban Form Transit Approach:

Fixed Route Transit Spine

PEDESTRIAN FRIENDLY AND TRANSIT ORIENTED

Urban Form Transit Approach:

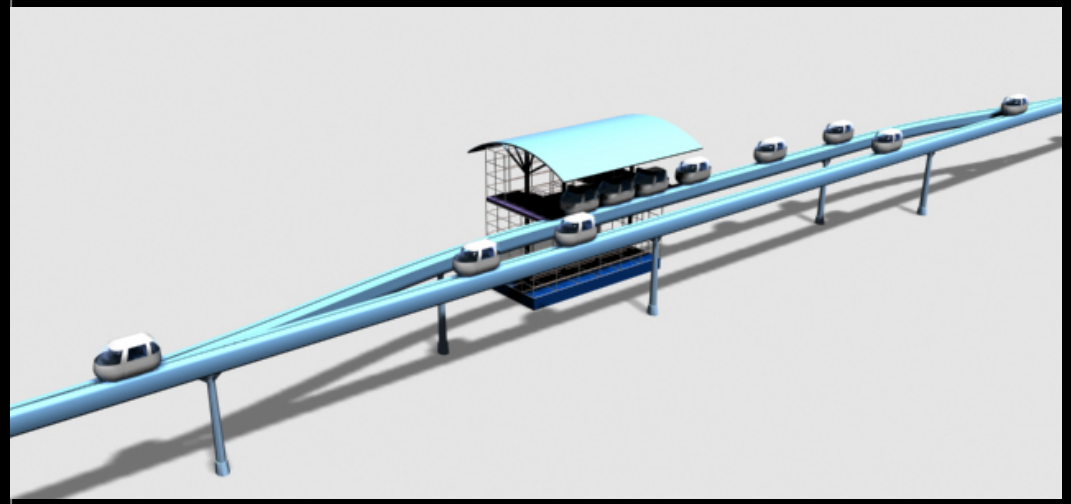
Fixed Route Transit Spine



PEDESTRIAN FRIENDLY AND TRANSIT ORIENTED

Urban Form Transit Approach:

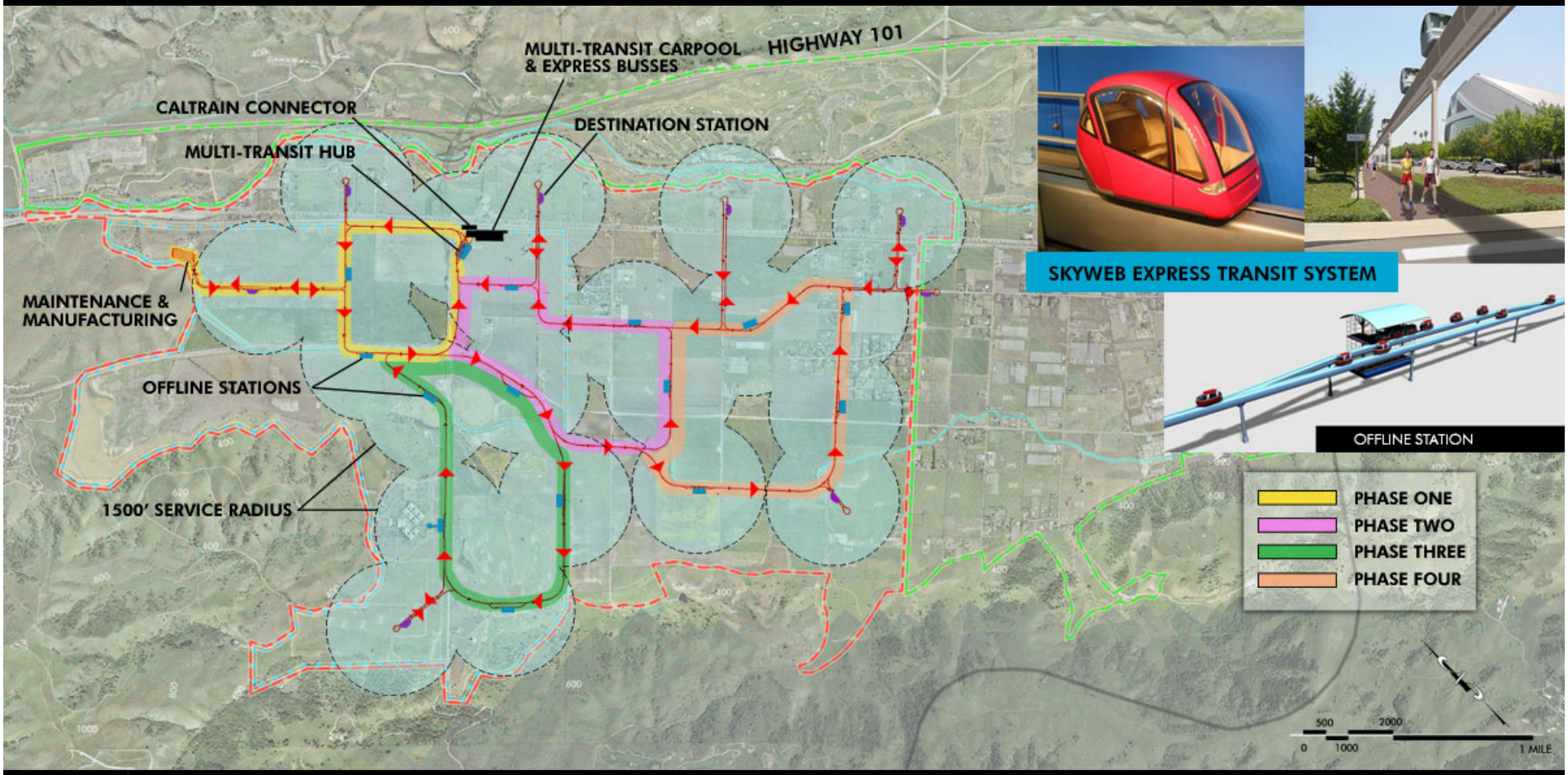
New Technology Personal Rapid Transit Network



PEDESTRIAN FRIENDLY AND TRANSIT ORIENTED

Urban Form Transit Approach:

New Technology Personal Rapid Transit Network



PEDESTRIAN FRIENDLY AND TRANSIT ORIENTED

URBAN FORM TRANSIT APPROACHES

Fixed Route Transit Spine

New Technology Personal Rapid Transit Network

PEDESTRIAN FRIENDLY AND TRANSIT ORIENTED

ROAD SYSTEM

STRATEGIES

&

URBAN FORM APPROACHES

PEDESTRIAN FRIENDLY AND TRANSIT ORIENTED

Strategy: Urban Walks and Trails

PEDESTRIAN FRIENDLY AND TRANSIT ORIENTED

Strategy: Neighborhood Streets

PEDESTRIAN FRIENDLY AND TRANSIT ORIENTED

Strategy: Main Streets

PEDESTRIAN FRIENDLY AND TRANSIT ORIENTED

URBAN FORM HIGH VOLUME ROAD NETWORK APPROACHES

PEDESTRIAN FRIENDLY AND TRANSIT ORIENTED

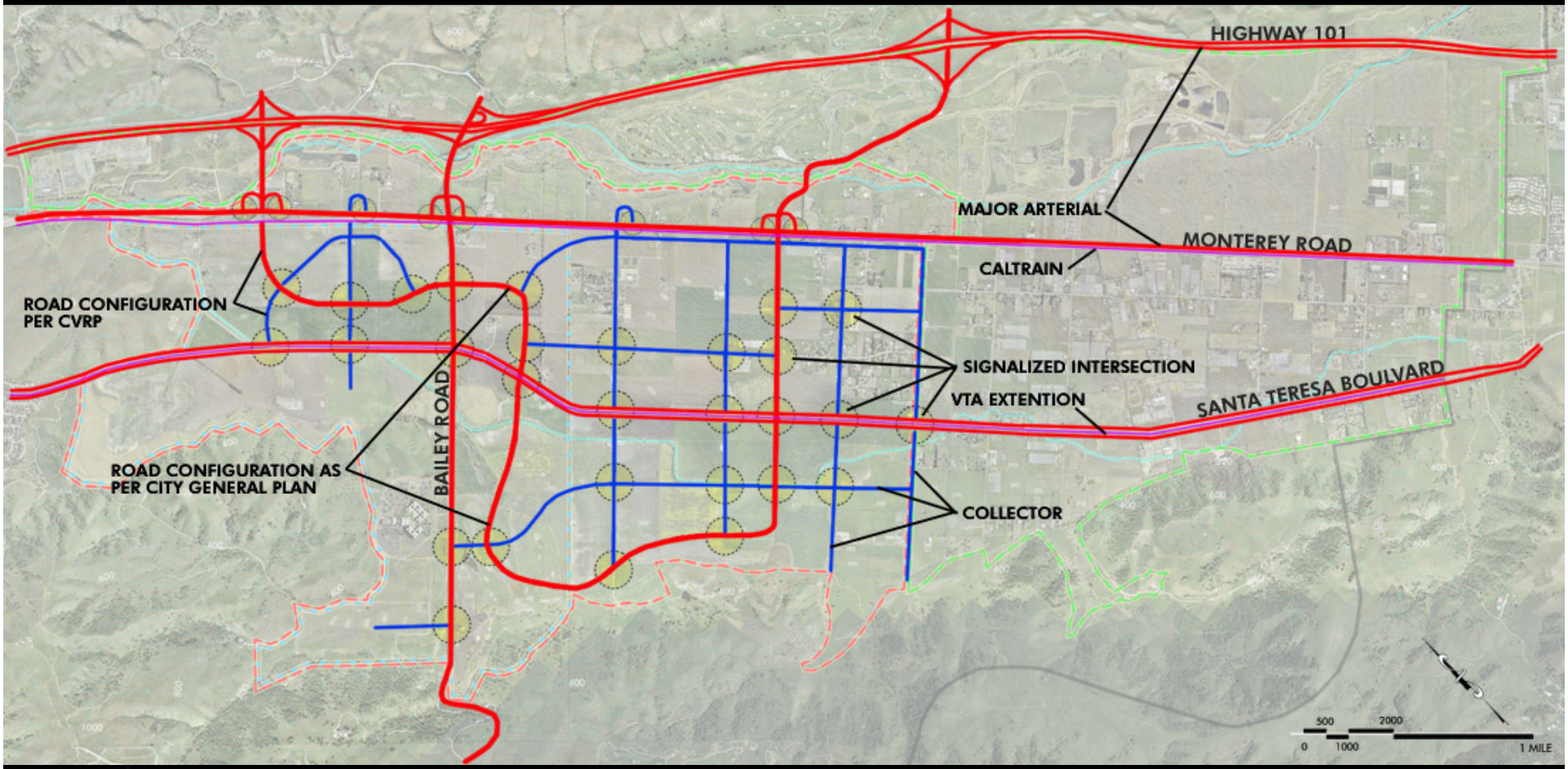
Urban Form High Volume Road Network Approach

City Standards

PEDESTRIAN FRIENDLY AND TRANSIT ORIENTED

Urban Form High Volume Road Network Approach

City Standards



PEDESTRIAN FRIENDLY AND TRANSIT ORIENTED

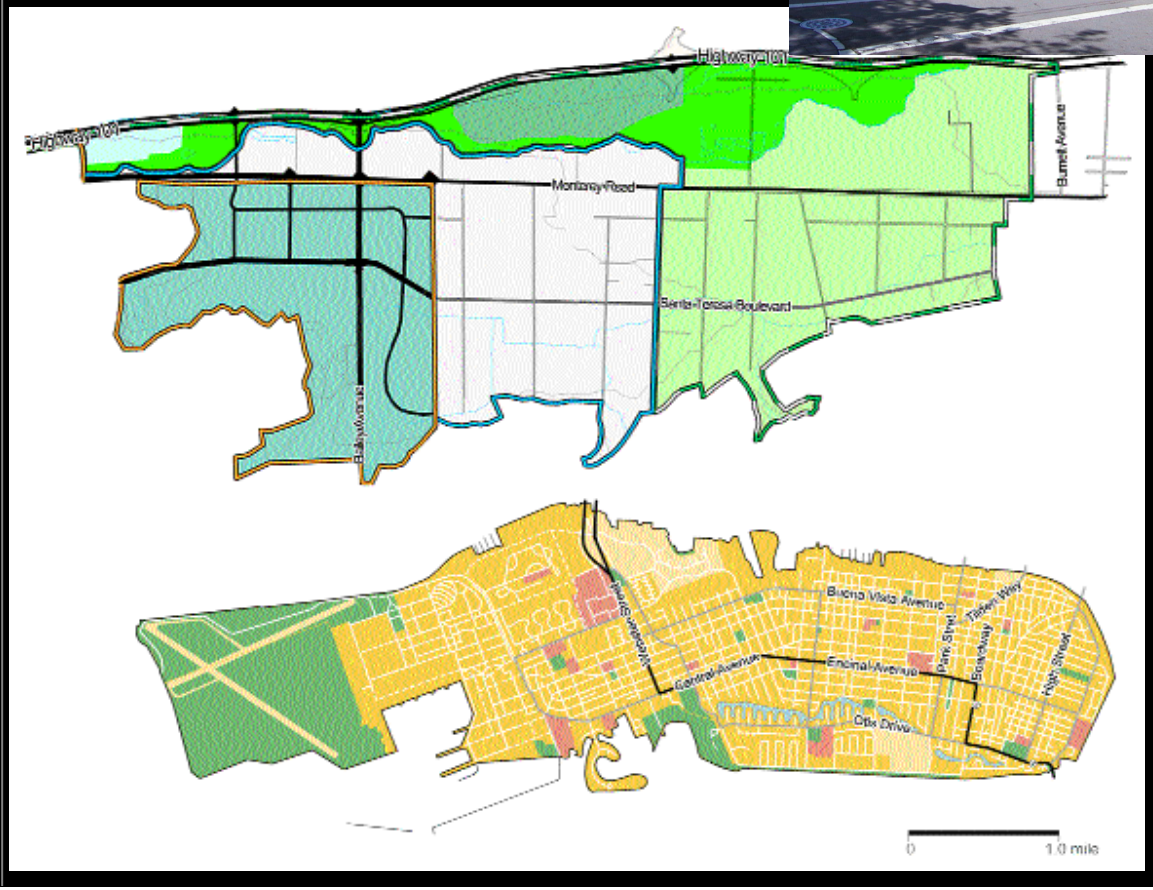
Urban Form High Volume Road Network Approach

Grid

PEDESTRIAN FRIENDLY AND TRANSIT ORIENTED

Urban Form High Volume Road Network Approach

Grid



PEDESTRIAN FRIENDLY AND TRANSIT ORIENTED

Urban Form High Volume Road Network Approach

Parkway

PEDESTRIAN FRIENDLY AND TRANSIT ORIENTED

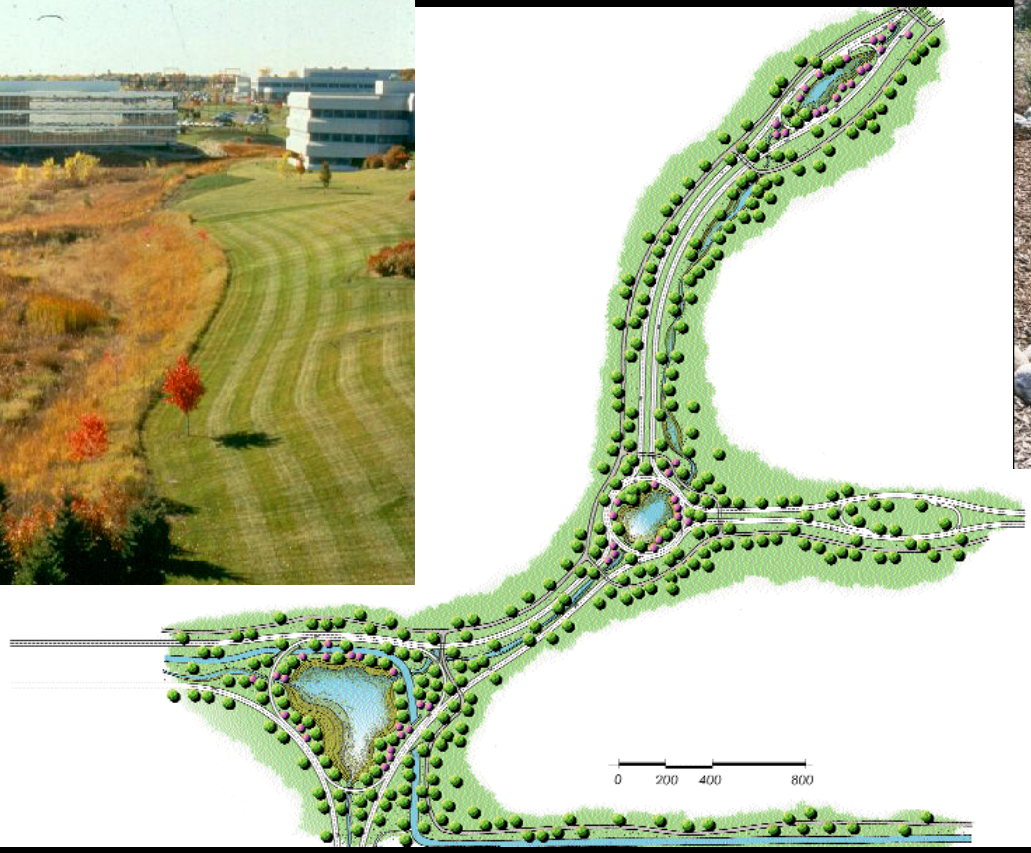
Urban Form High Volume Road Network Approach

Parkway

PEDESTRIAN FRIENDLY AND TRANSIT ORIENTED

Urban Form High Volume Road Network Approach

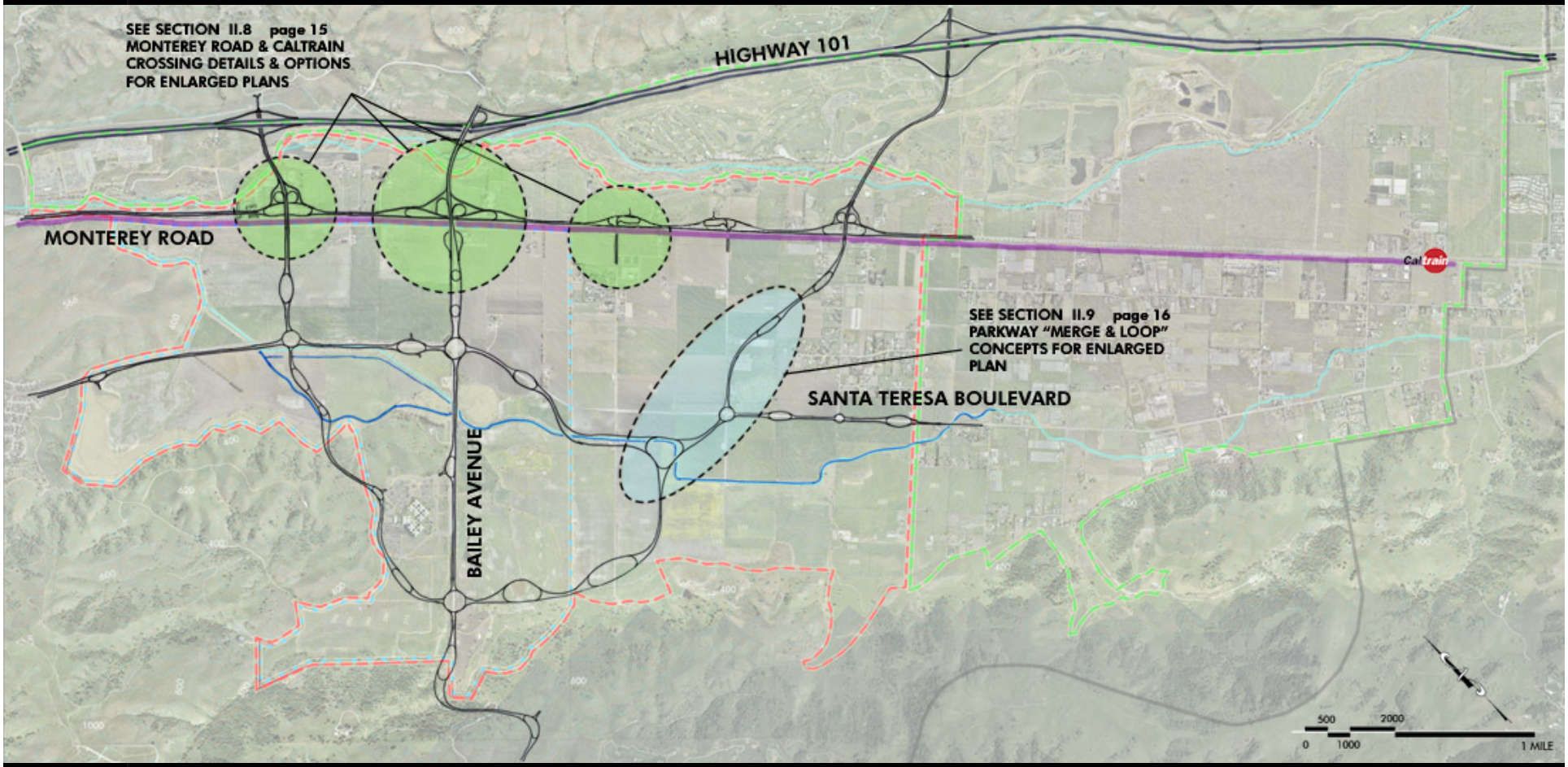
Parkway



PEDESTRIAN FRIENDLY AND TRANSIT ORIENTED

Urban Form High Volume Road Network Approach

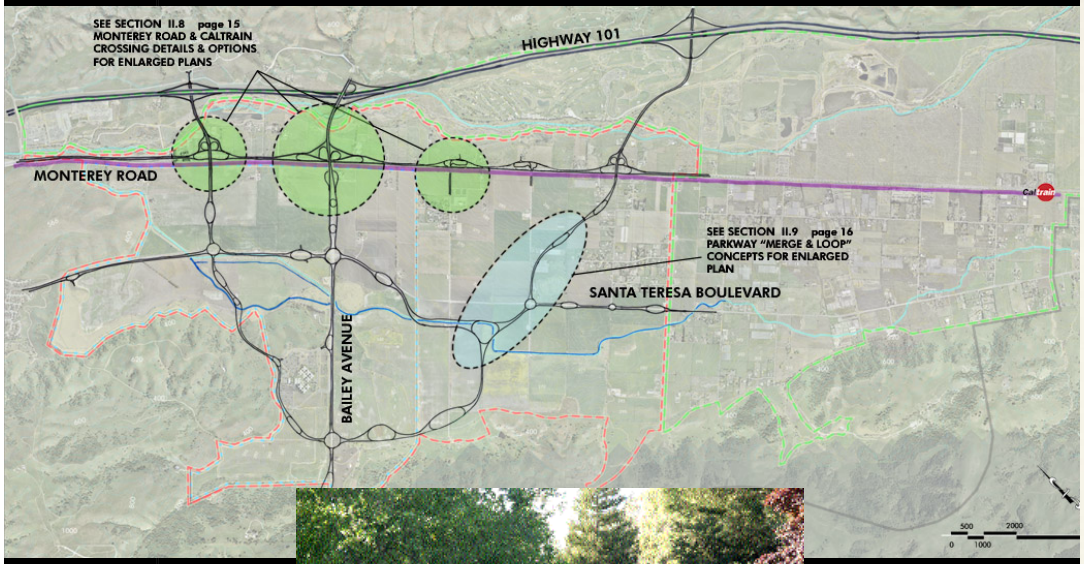
Parkway

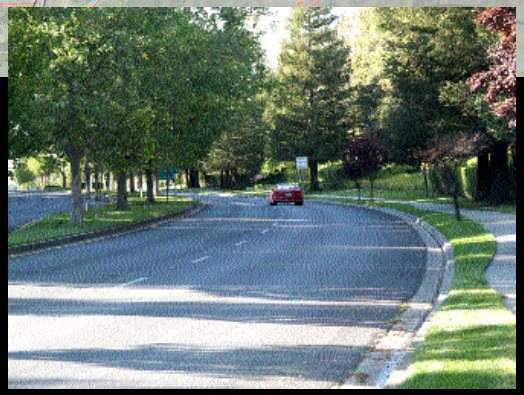


PEDESTRIAN FRIENDLY AND TRANSIT ORIENTED

Urban Form High Volume Road Network Approach

Parkway + Low Volume-Grid





PEDESTRIAN FRIENDLY AND TRANSIT ORIENTED

Urban Form High Volume Road Network Approach

Monterey Road & Rail in Coyote and North

PEDESTRIAN FRIENDLY AND TRANSIT ORIENTED

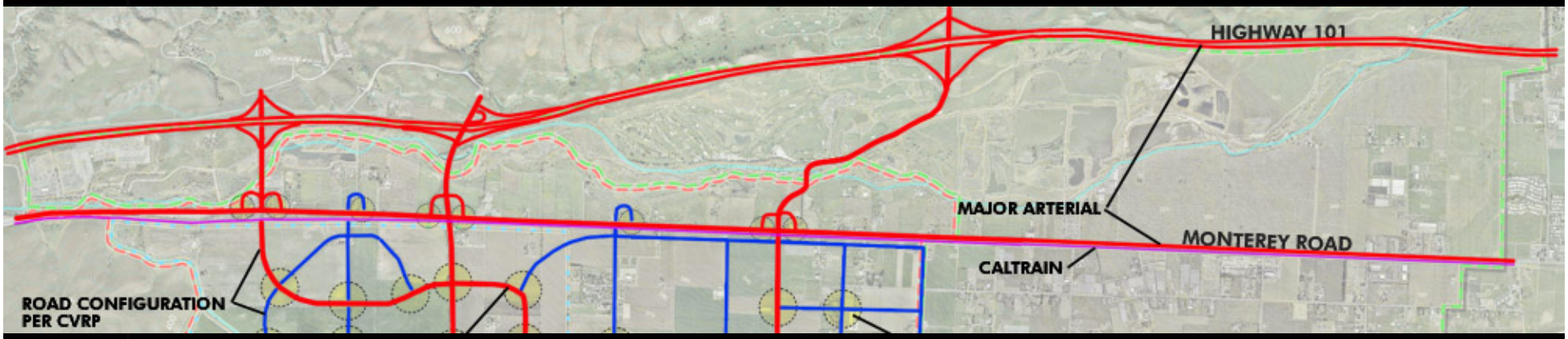
Urban Form High Volume Road Network Approach

Monterey Road & Rail in Morgan Hill

PEDESTRIAN FRIENDLY AND TRANSIT ORIENTED

Urban Form High Volume Road Network Approach

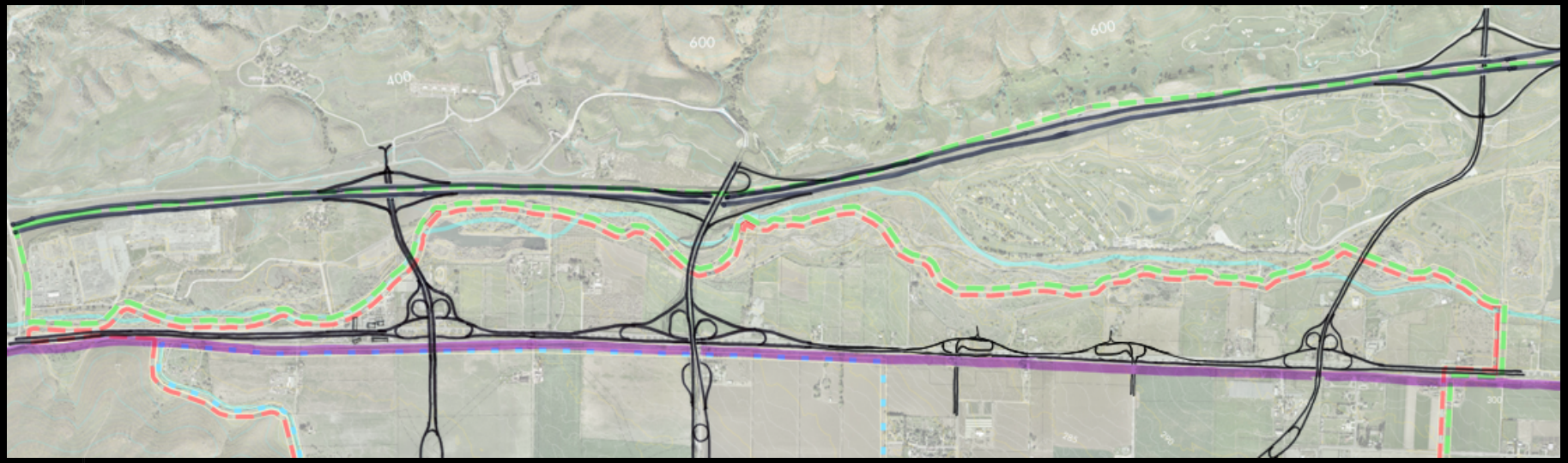
Monterey Road-A Through Rd. Barrier

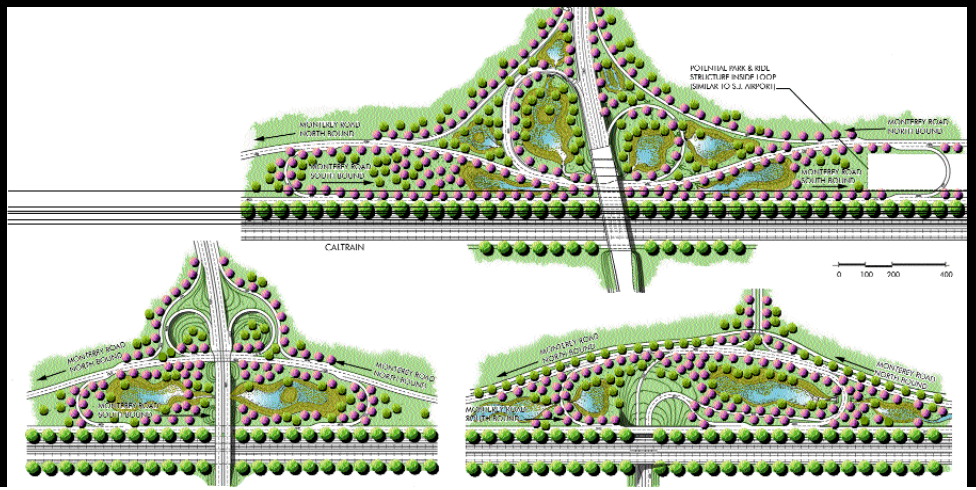


PEDESTRIAN FRIENDLY AND TRANSIT ORIENTED

Urban Form High Volume Road Network Approach

Monterey Road-An Integrating Parkway





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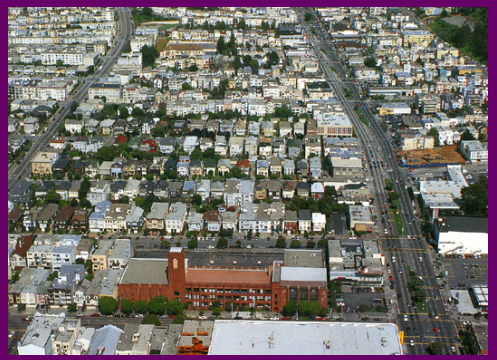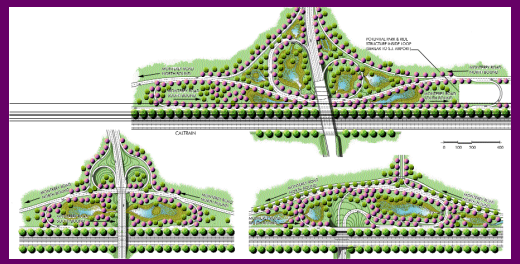
URBAN FORM HIGH VOLUME ROAD NETWORK APPROACHES