Transforming ar HACIENDA AVEI IMPROVEN	TREET	
	APWA Internationa Congress & Expositio August 2015 Phoenix, Arizona	

Introductions

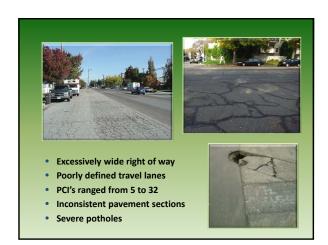
- Roland Neufeld, Assistant Engineer Project Engineer
- Fred Ho, Senior Civil Engineer Project Manager
- Michelle Quinney, City Engineer

Presentation Overview

- Hacienda Avenue Background & Diagnosis
- Preliminary Planning
- Design Elements
- Project Sustainability Ratings
- Construction Challenges
- Public Outreach/Project Schedule
- Summary Lessons Learned
- Questions & Comments

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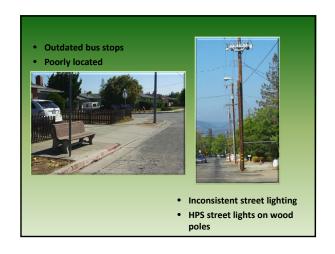
Hacienda Avenue













The Hacienda Avenue Check Up				
	CONDITION		ON	
	Good	Fair	Poor	
Walkability			-	
Bikeability			-	
Driveability			-	
Transit Friendly		1		
Encourages Community Interaction			4	
Night vision			~	4
Ability to Weather the Storms Sustainable Life Style			~	
Sustainable Life Style			~	

Concerns to be addressed:

- Pavement rehabilitation
- Improve traffic and pedestrian safety
- Infill missing public improvements
- Improve drainage
- Improve aesthetics









Source/Use of Funds

Source of Funds:

City Funds (60%)
 Grant Funds (40%)
 2,634,000
 Total Source of Funds
 6,657,525

Use of Funds:

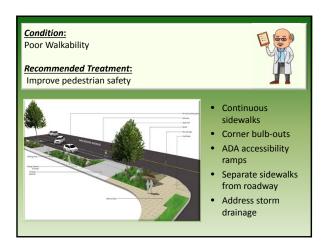
Design (6%)
 Construction Engineering (7%)
 Construction (87%)
 5,769,525
 Total Use of Funds
 429,000
 459,000
 5,769,525
 6,657,525



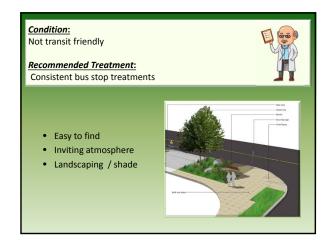
Treatment Plan (Design Elements)









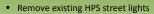


Condition:

Poor night vision

Recommended Treatment:

Install a consistent and efficient street lighting system



- Install City standard street lighting with uniform coverage
- Use LED street lights for maximum efficiency



Condition:

Major puddles, inadequate storm drainage

Recommended Treatment:

Redesign street, treat stormwater in bio-infiltration basins

- Move curb line toward street install bio-infiltration
- No-mow sod and diverse plantings
- Basins designed for 80% capture
- Street trees in parking lane



Before (No Bio-Infiltration)



After



Condition:

Low community interaction

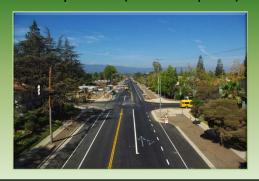
Recommended Treatment:

Install improvements to encourage outdoor activity Improve aesthetics

- Decrease street width
- Improve walkability & bikeability
- Improve neighborhood aesthetics
- Strengthen the connection to the Los Gatos Creek Trail
- Install adequate night lighting



Healthy Street (90% Complete)



Sustainability Ratings

Greenroads

- Sustainability Rating System for Roads
- Points Awarded for:
 - Treatment of Runoff
 - Reduction of Light Pollution
 - Material Recycling
 - Using Regional Materials...

Bay Friendly

- Grant Requirement
- Promotes Sustainable Landscape Design









Property Access – Public Notifications

- Road closed to thru traffic for one month
- Advance notice on arterials via changeable message signs
- Detours and signage allowed local traffic only on Hacienda
- Some closures removed by residents
- Driveways completely closed at four different times during project
- Residents notified by City's website updated daily





Public Outreach

- Initial property owner meetings September 2012
- Neighborhood mailings/meeting November 2012
- Neighborhood 50% final design meeting June 2013
- Neighborhood update mailing April 2014
- Presentations at local schools June 2014
- Quarterly construction meetings Summer 2014 -Summer of 2015
- Next Door, Facebook, hand delivered flyers
- Website Updates Project plans, FAQ's, Road Closure/
 Driveway Closure Charts, www.cityofcampbell.com/567

Schedule

 Original proposal to include Hacienda in CIP 	2007-2008
Grant applications and awards	2009-2012
Approval of conceptual design	Nov. 2012
PS&E approval	Oct. 2013
Caltrans – authorization to proceed (E76)	Feb. 2014
Advertise for bids / Begin utility relocations	March 2014
Open bids	April 2014
Award construction contracts	June 2014
Begin construction	July 2014
End construction	Summer 2015

Summary – Lessons Learned

- It pays to implement more sustainable design and construction practices
- There is never too much coordination or advance planning with the utility companies and the community
- Maintaining a presence in the community and providing project updates are vital and essential components of a successful project
- Pay attention to existing conditions and expect the unexpected

②	Questions -	Comment	S