









Bay Area Economics Nelson Nygaard PMC JLC

# **INTRODCUTIONS**





# City of San Diego

Michael Prinz, Project Manager

#### **Consultant Team**

- Mike Singleton, KTU+A Program Manager
- Robert Efird, KTU+A Project Manager
- Jenny An, KTU+A Project Planner
- Jacob Leon, KTU+A Project Planner
- Josie Calderon, JLC Outreach Coordinator
- Gardenia Durantes, JLC Outreach Support

### Other Contributors

# AGENDA

6:05 - 6:15

6:25 - 6:35

6:35 - 7:00

7:00 - 7:10

7:10 - 7:50

6:00 - 6:05

Introductions

6:15 - 6:25

Input from Existing Conditions and Concepts Workshop

Refined Land Use Alternatives

Modeled Land Use Scenario Methodology

Traffic Modeling Scenarios and Modeling Findings; Table Top

Instructions Break

Scenario Discussion at Table

Tops

Table Top Report Back 7:50 - 8:20

MOREN BOSLEWARD STORE STEPS ANNING STUDY . CITY OF SAN

# EXISTING CONDITIONS WORKSHOP 1 SUMMARY

#### **EXISTING CONDITIONS WORKSHOP 1**



# Opportunities/ Constraints:

- Increase density near Clairemont (some disagreement)
- Protect existing commercial and multi-family
- Improve streetscape/street furniture
- Speeding on Morena
- Bridge access to Mission Bay
- Lack of parking
- Unsafe biking conditions

#### **EXISTING CONDITIONS WORKSHOP 1**

#### SUMMARY Opportunities/ Constraints:

- Create a district identity
- Add grocery store
- Encourage restaurant uses
- Improve "the triangle"
- Designate historic buildings
- Establish gateways





#### **EXISTING CONDITIONS WORKSHOP 1**

#### SUMMARY Opportunities/ Constraints:

- Increase bicycle and pedestrian facilities
- Lower speeding at freeway entrances/exits
- Investigate roundabouts
- Improve access to Mission Bay
- Improve access to University of San Diego





# Land Use: North Study Area



- Bayview parcel: provide commercial space/grocery store. Residential also possible.
- Variety of commercial/light industrial on N Morena
- City Chevrolet: potential for residential if ever vacated

# Land Use: North Study Area (cont'd)



#### **Community Comments:**

 Ashton/Napier area could include restaurants, outdoor seating, or other public spaces.

# Land Use: South Study Area



- Explore other uses for the RV park properties
- Develop trail along Tecolote
   Creek
- Increase residential density
- Balance enhanced design with simpler review/approval process

# Land Use: South Study Area (cont'd)



- Iconic art element or other monument at the "triangle"
- Small businesses should be encouraged to stay
- Provide infill residential development where possible
- Any "superblock" development should provide visual variety

# Land Use: South Study Area (cont'd)



- Properties between Sherman and Morena could be rezoned residential
- Properties between Linda
   Vista and Morena could be
   rezoned to student housing
   and campus/village retail

# Mobility: North Study Area



- General agreement with all proposals, including dropping lanes on Morena
- Is mid-block crossing on Clairemont effective/necessary?
- Include drop-off zones close to the Trolley station

# Mobility: North Study Area (cont'd)



- Pedestrian crossings on Clairement bridge should be safe/efficient
- Pedestrian lighting at the Clairemont Bridge
- Ped/bike bridge across freeway/railroad at Ashton/Napier
- Improve auto merging from NB I-5 off-ramp to EB Clairemont

# Mobility: South Study Area



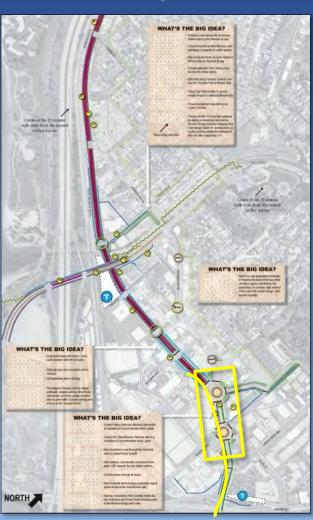
- General agreement with all proposals
- Investigate parallel parking on Morena, but limit new traffic signals
- Investigate cycle tracks along Morena
- Landscape medians/create a linear park along Morena

# Mobility: South Study Area (cont'd)



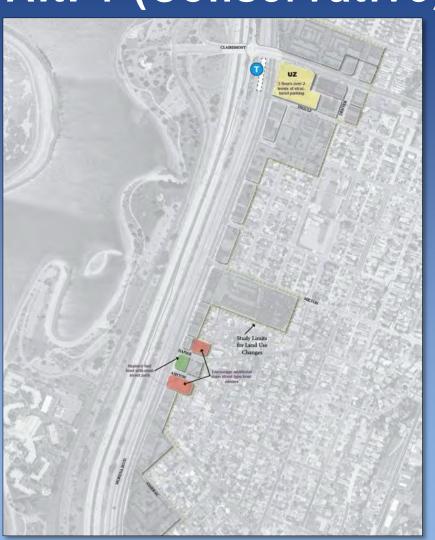
- New connection at Knoxville may increase traffic to neighborhood
- Pedestrian improvements higher priority than vehicular improvements
- Investigate further the Tecolote Creek trail connection to Mission Bay

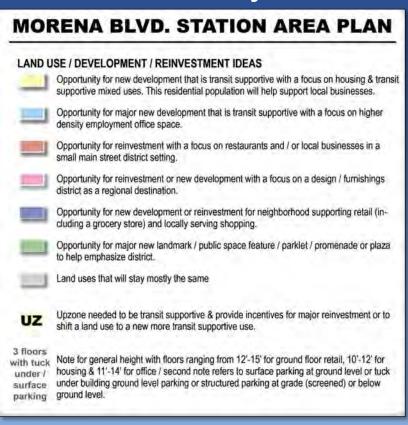
# Mobility: South Study Area (cont'd)



- Concern that roundabouts are too close together
- Need pedestrian/bike connection to Friars from Morena

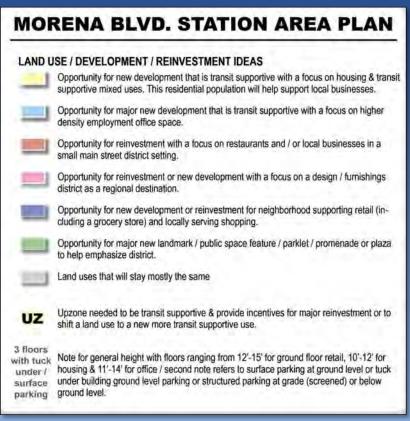
# Alt. 1 (Conservative): North Study Area





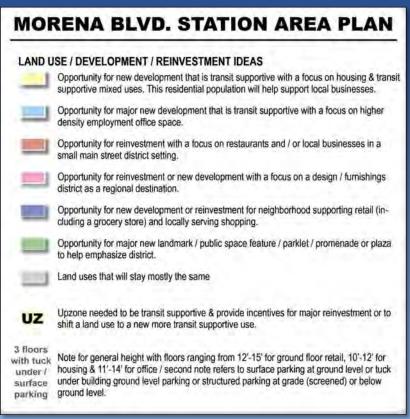
# Alt. 2 (Mod. Aggressive): North Study





# Alt. 3 (Aggressive): North Study Area





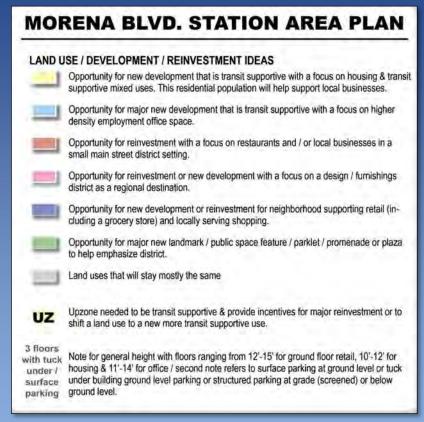
Alt. 1 (Conservative): South Study Area



LAND U	SE / DEVELOPMENT / REINVESTMENT IDEAS
	Opportunity for new development that is transit supportive with a focus on housing & trans supportive mixed uses. This residential population will help support local businesses.
	Opportunity for major new development that is transit supportive with a focus on higher density employment office space.
	Opportunity for reinvestment with a focus on restaurants and / or local businesses in a small main street district setting.
	Opportunity for reinvestment or new development with a focus on a design / furnishings district as a regional destination.
	Opportunity for new development or reinvestment for neighborhood supporting retail (including a grocery store) and locally serving shopping.
	Opportunity for major new landmark / public space feature / parklet / promenade or plaza to help emphasize district.
	Land uses that will stay mostly the same
UZ	Upzone needed to be transit supportive & provide incentives for major reinvestment or to shift a land use to a new more transit supportive use.
3 floors with tuck under / surface parking	Note for general height with floors ranging from 12'-15' for ground floor retail, 10'-12' for housing & 11'-14' for office / second note refers to surface parking at ground level or tuck under building ground level parking or structured parking at grade (screened) or below ground level.

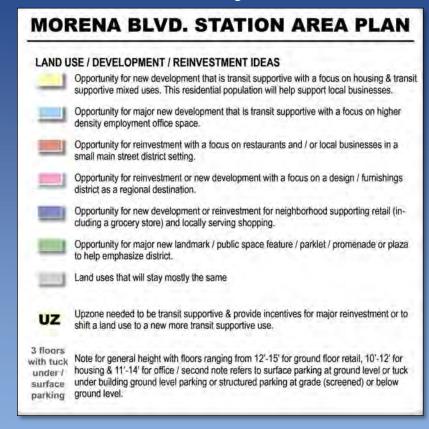
# Alt. 2 (Mod. Aggressive): South Study





# Alt. 3 (Aggressive): South Study Area





#### **Concept:**

- Identify a moderately aggressive number of dwelling units and/or building square feet for key parcels
- Use this loading to determine impact on the roadway network
- Changes in zoning focus on additional residential capacity, with limited retail or office
- Introduce mixed use near planned Trolley stations





- Zoning capacity (Step 1):
  - Analyzed allowable Floor Area Ratio (FAR), height limit, and dwelling units/acre
  - For FAR, established threshold of unrealized capacity of 50% or more



Zoning capacity (Step 1)



- Site plan capacity
- (Step 2):
  - Balanced "capacity"
     with building massing
     and basic parking
     requirements

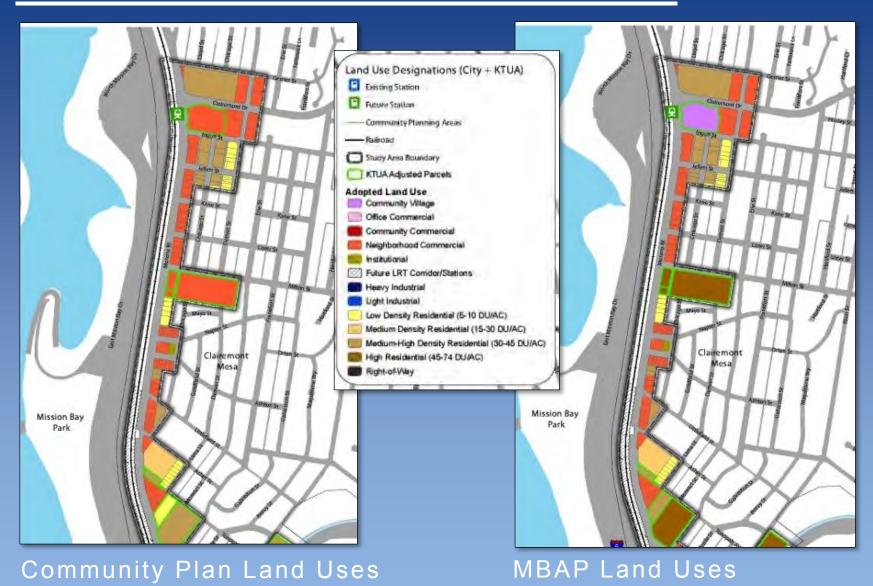




Zoning capacity (Step 2)



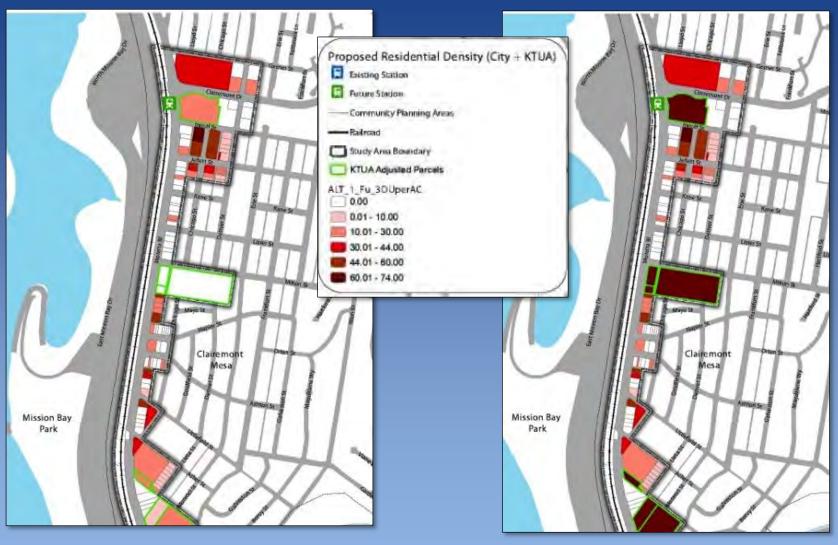






Community Plan Land Uses

MBAP Land Uses



Community Plan Residential Density

MBAP Residential Density



Community Plan Residential Density

MBAP Residential Density

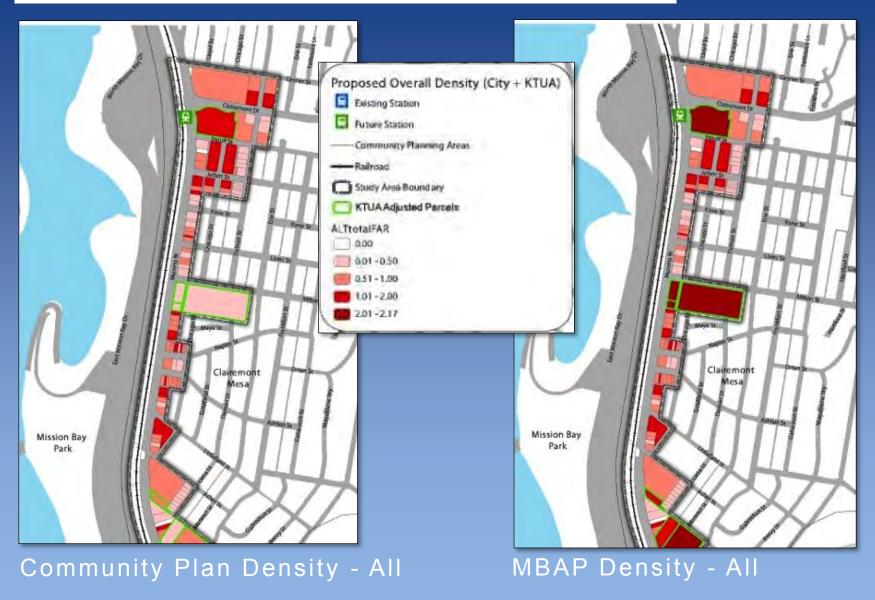


Community Plan Non-Res Density

MBAP Non-Res Density



Community Plan Non-Res Density MBAP Non-Res Density



# MODLEDED LAND USE SCENARIO



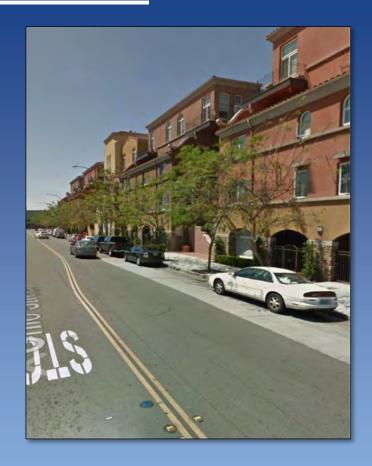
Community Plan Density - All

MBAP Density - All

#### MODLEDED LAND USE SCENARIO

#### **Discussion on Density:**

- Limit height to six stories, could be either surface or podium parking
- Ideal density near transit stations is approx. 70 DU/acre. Maximum proposed does not exceed 74 DU/acre
- Height could be focused on one end of parcel to allow for "stepdown" toward single family neighborhoods.
- "Step-backs" in development design can reduce "urban canyon" impression.



# LAND USE OPTIONS: CLAIREMONT RD. AREA





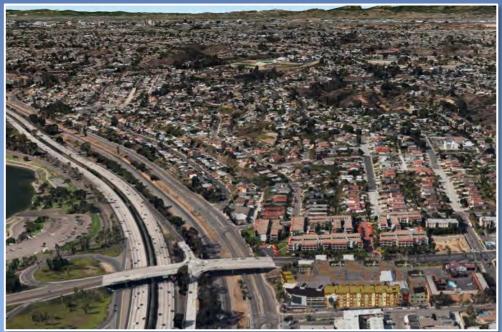




MORENA BOULEVARD STATION AREA PLANNING STUDY • CITY OF SAN

#### LAND USE OPTIONS: VIEWS UP FROM





#### LAND USE OPTIONS: VIEWS UP FROM THE



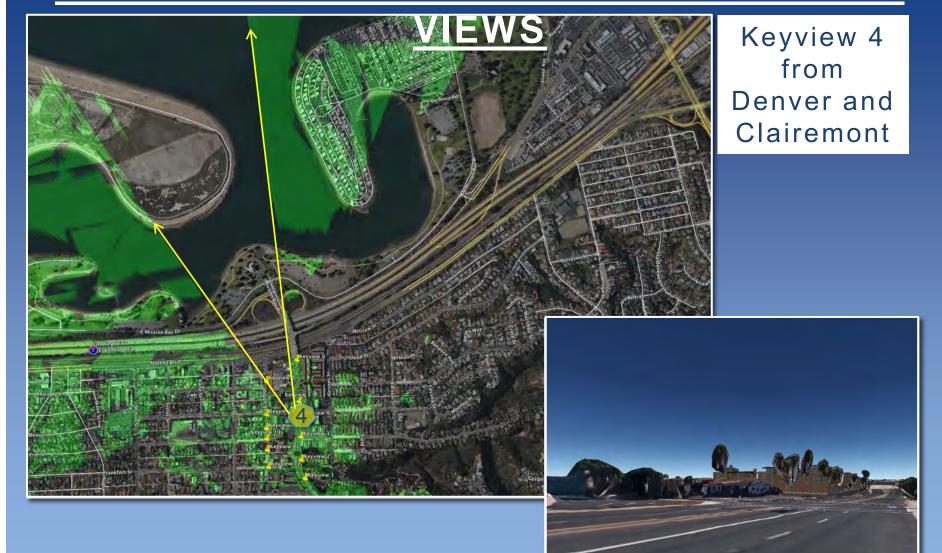
## LAND USE OPTIONS: VIEWS UP INGULF



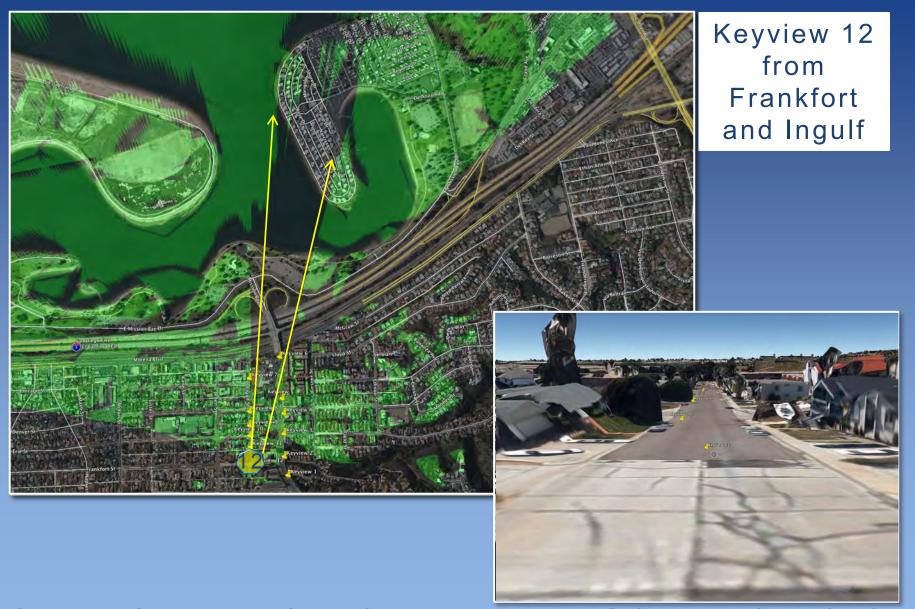
#### LAND USE OPTIONS: VIEWS UP CLAIREMONT



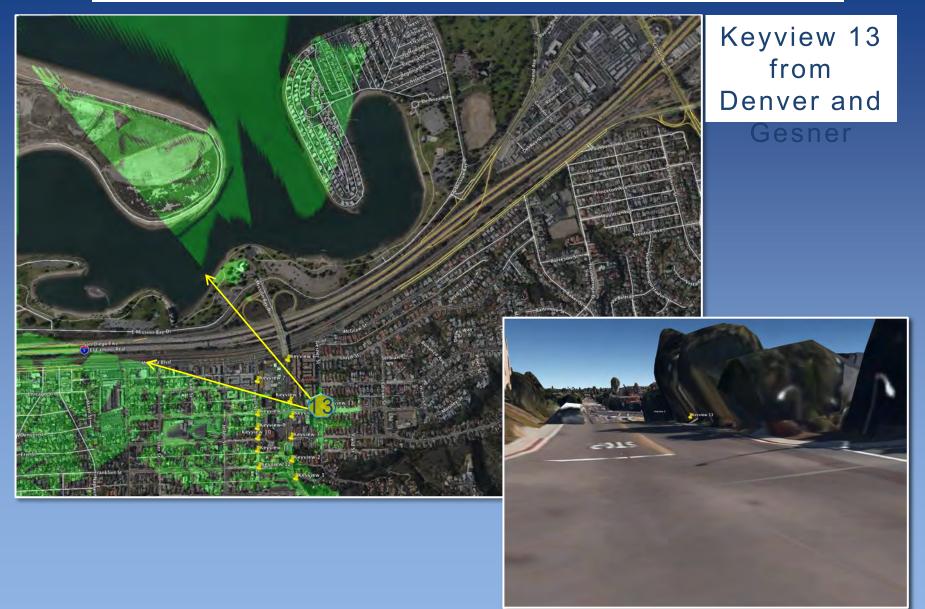
# LAND USE OPTIONS: CLAIREMONT DRIVE



#### LAND USE OPTIONS: INGULF VIEWS



# LAND USE OPTIONS: DENVER VIEWS



## MOBILITY OPTIONS

Complete Streets Legislation Requires us to Equally

**Address:** 



Walking



Biking



Driving



Riding









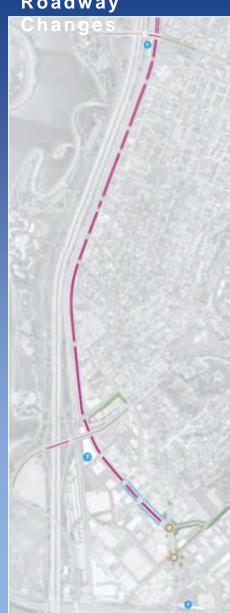


# **ELEMENTS OF THE PLAN**

Bike & Ped.



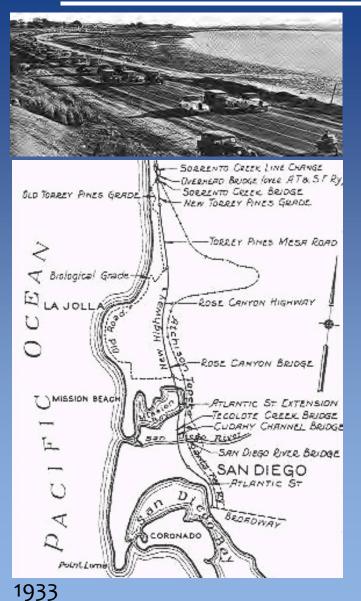
Roadway

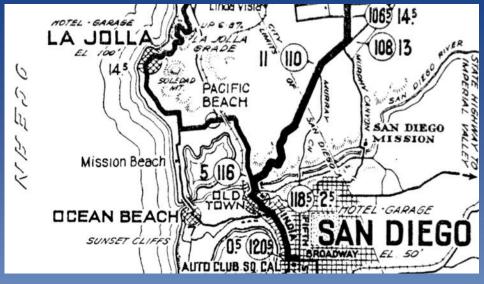


Land Use



#### **WHY ARE THE ROADS AS THEY ARE?**





1922

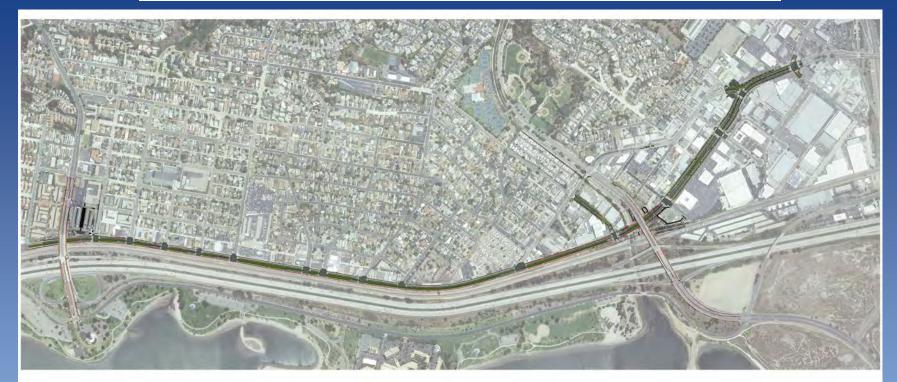


1922





- 1) South Morena Roadway, Bike & Ped. Improvements
- 2) Tecolote Bridge & Bike & Ped. Improvements
- 3) North Morena & Bike & Ped. Improvements
- 4) Clairemont Bridge & Bike & Ped. Improvements



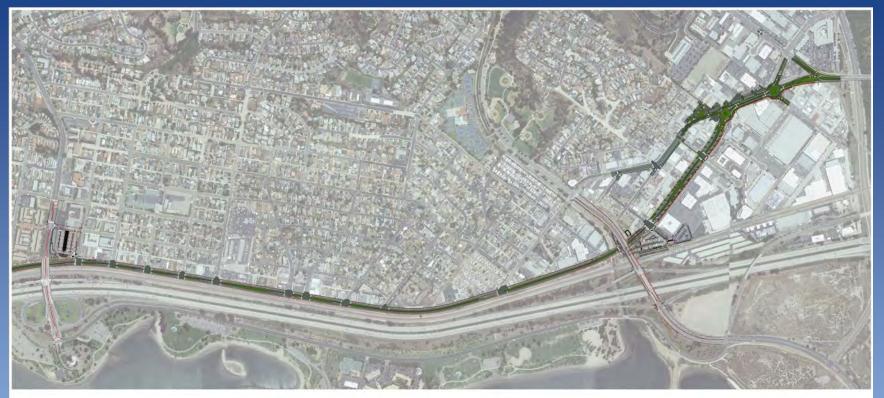
Alt. 1: Conservative Mobility

Focus



Alt. 2: Moderate Mobility

Focus



Alt. 3: Aggressive Mobility

Focus



1) South Morena Roadway, Bike & Ped. Improvements

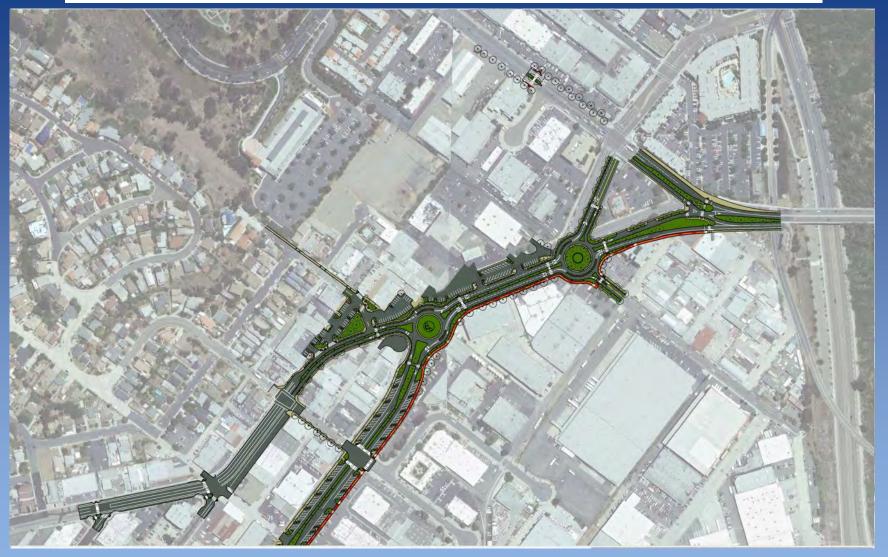


GME









Alt. 1: Conservative Mobility Alt. 2: Moderate Mobility Alt. 3: Aggressive Mobility

MORENA BOULEVARD STATION AREAUPLANNING STUDY • CITY OF SAN

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Alt. 1: Conservative Mobility Alt. 2: Moderate Mobility Alt. 3: Aggressive Mobility

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Alt. 1: Conservative Mobility Alt. 2: Moderate Mobility Alt. 3: Aggressive Mobility

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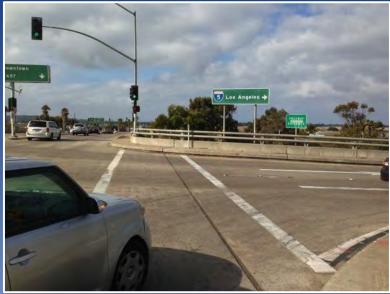
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2) Tecolote Bridge & Bike & Ped. Improvements



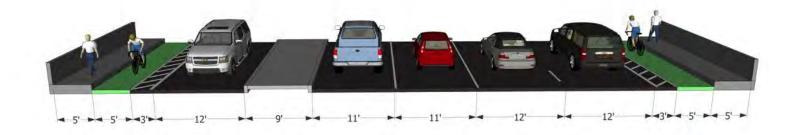






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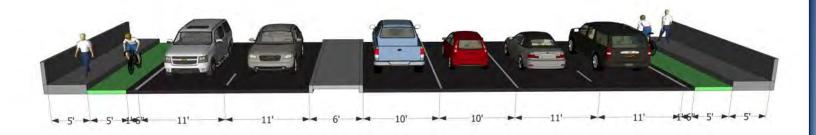
#### Alt. 1: Moderate Mobility Focus



Buffered Painted Bike Lanes • Dropped Westbound Vehicle

Lane • Narrowed Median

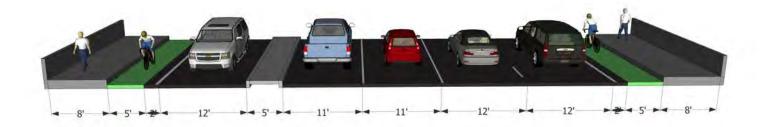
Alt. 2: Conservative Mobility Focus



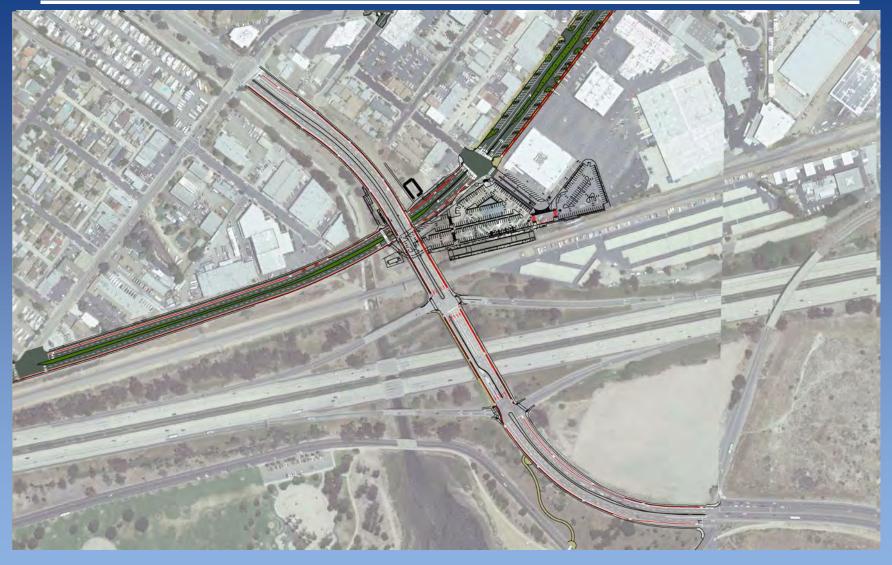
Standard Width Painted Bike Lanes • Narrowed Vehicle Lanes •

Narrowed Median

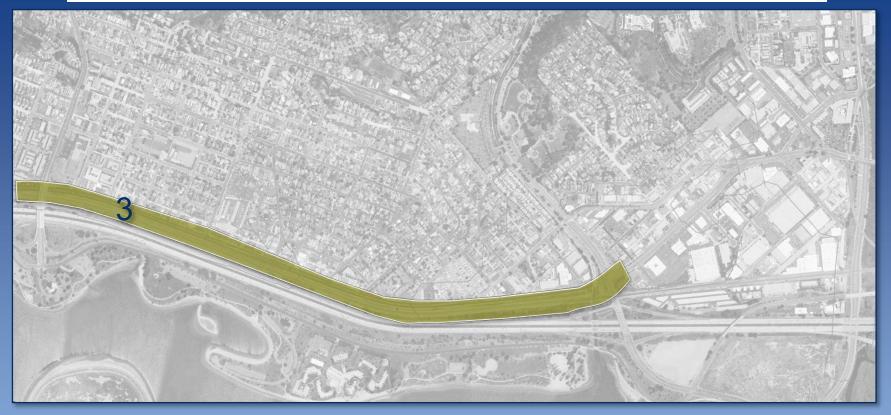
Alt. 3: Aggressive Mobility Focus



Standard Width Painted Bike Lanes • Dropped WB Travel Lane • Widened Walkways



Alt. 1: Conservative Mobility Alt. 2: Moderate Mobility Alt. 3: Aggressive Mobility MCRENA BOULEVARD STATION AREAFLANNING STUDY • CITY OF SAN



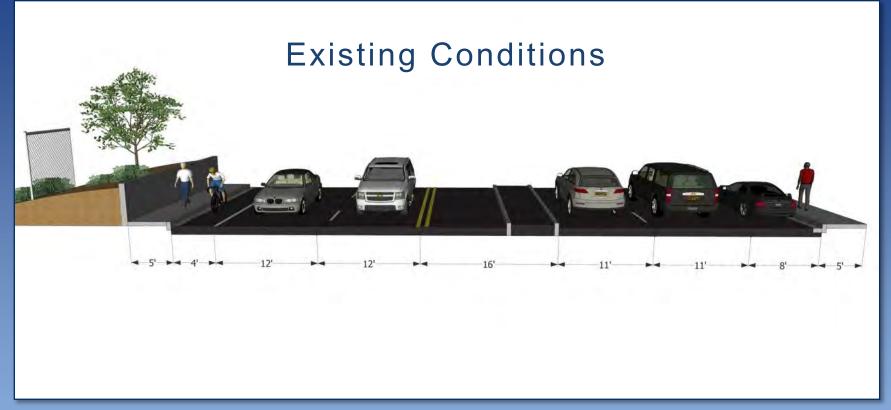
3) North Morena & Bike & Ped. Improvements





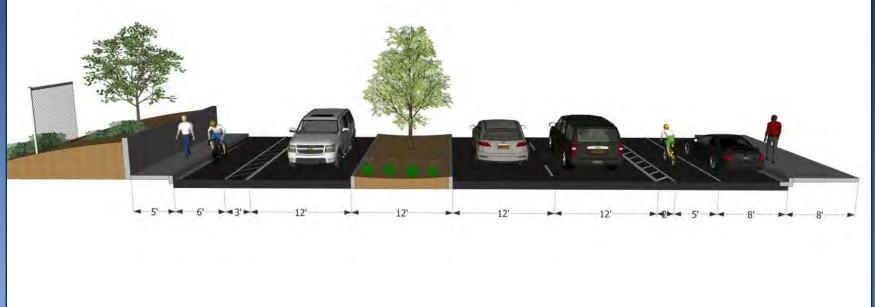






2 Lanes Each Direction • Substandard Bike Lane • Parking 1
Side • No Street Trees





1 Lane SB • 2 Lane NB • Buffered Bike Lanes • Parking 1 Side •

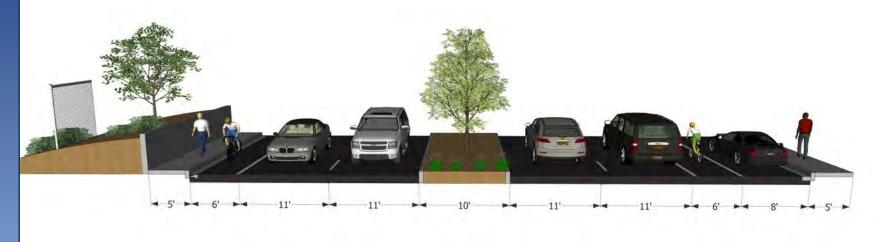
Median Street Trees

Alt. 2: Aggressive Mobility Focus



1 Lane Each Direction • Buffered Bike Lane NB • Multi-use Path
SB • Parking 1 Side • Trees

Alt. 3: Conservative Mobility Focus



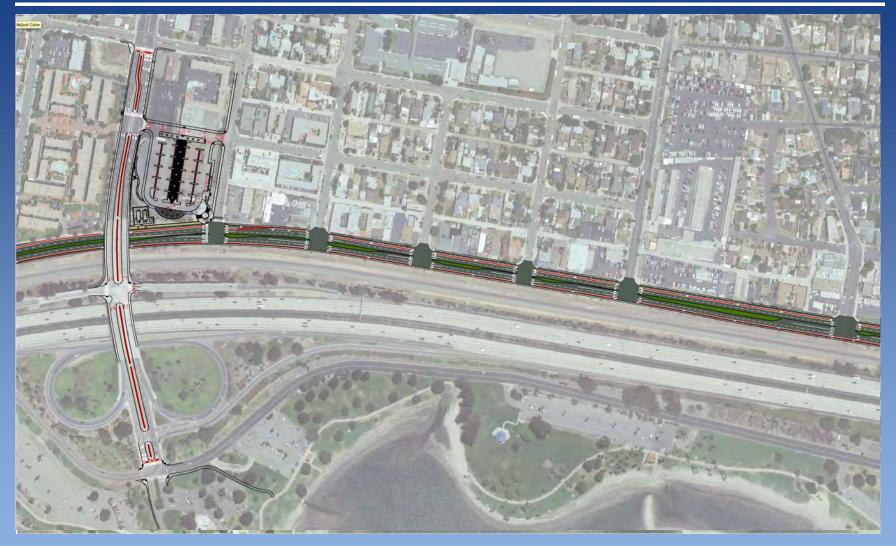
2 Lanes Each Direction • Standard Bike Lane • Parking 1 Side • Modified Medians with Trees



Alt. 1: Conservative Mobility Alt. 2: Moderate Mobility Alt. 3: Aggressive Mobility

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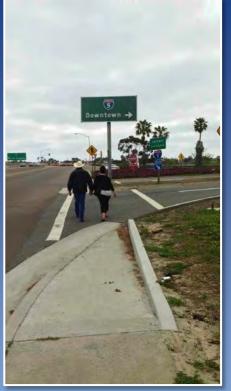
Alt. 1: Conservative Mobility Alt. 2: Moderate Mobility Alt. 3: Aggressive Mobility MORENA BOULEVARD STATION AFEAUPLANNING STUDY • CITY OF SAN



4) Clairemont Bridge & Bike & Ped. Improvements







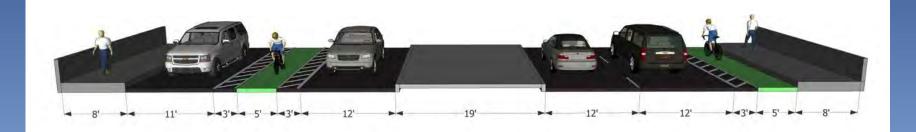






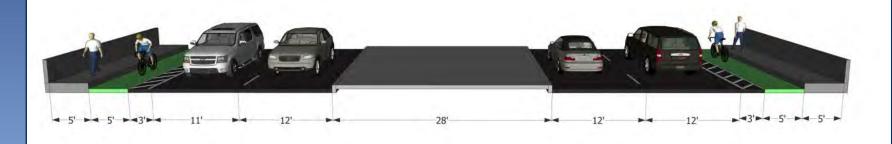


Alt. 1: Conservative Mobility Focus



Double Buffered / Painted Bike Lanes • Reclaim Median & EB
Acceleration Lane

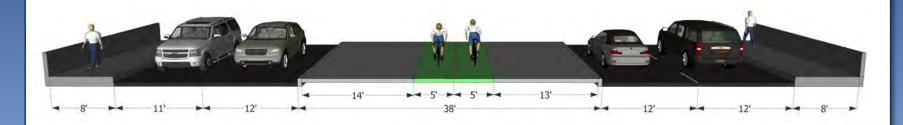




Buffered / Painted Bike Lanes • Signal Technology for Advance Ped. & Bike Crossings • Reclaim EB Acceleration Lane •

Reduced Vehicle Lanes

Alt. 3: Aggressive Mobility Focus



Median Running Painted Bike Lanes • Signal Technology for Special Bike & Ped. Only Phase



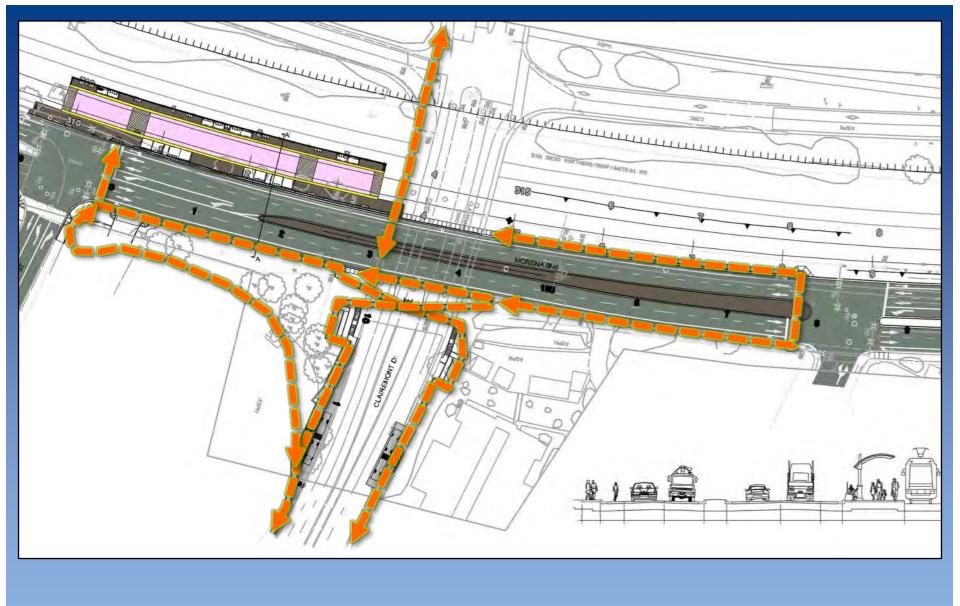
"Identifying the right land uses & STATIONS connections to support the community MORENA BOULEVARD STATION AFTE IN INSITE INVESTMENT OF SAN



PROPOSED TECOLOTE STATION

MORENA BOULEVARD STATION AREA PLANNING STUDY • CITY OF SAN

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# PROPOSED CLAIREMONT STATION MORENA BOULEVARD STATION AREA PLANNING STUDY • CITY OF SAN DIEGO

# TRAFFIC MODELING NOTES

		YEAR 2013  EXISTING CONDITIONS		2035 BASELINE Adopted Land Uses + Baseline Road Network		Proposed Land Use(ALT.2) + Baseline Road Network		YEAR 2035  ALTERNATIVE 1 (lane reductions / T intersections)				ALTERNATIVE 3 ( roundabouts)	
Intersection #	Streets	LOS	Avg Delay	LOS	Avg Delay	LOS	Avg Delay	LOS	Avg Delay	LOS	Avg Delay	LOS	Avg Delay
1	Morena & Gesner	В	10	В	12	В	11	В	11	В	11	В	11
3	Morena & Ingulf	В	12	В	14	В	12	В	14	В	14	В	14
9	Morena & West Morena (north split)	В	11	В	13	В	12	В	14	В	14	В	14
10	Knoxville & Morena	В	12	В	13	В	11	В	13	В	13	В	13
11	Morena & Tecolote	D	48	D	48	D	48	D	<55	D	<55	E	60
14	West Morena & Morena (south split)	Α	10	Α	13	В	15	В	20	С	22	С	29
18	Morena & Napa & Sherman	D	52	D	47	D	42	D	47	В	<20	D/E	<55
19	Morena & Linda Vista	В	20	В	25	С	26	С	21	Α	<10	С	<35
20	Napa & Linda Vista	E	78	F	>80	F	>80	E	78	С	21	E	78

## TRAFFIC MODELING NOTES

- MBAP land uses produce less trips than CP land uses
  - -Primarily due to "internal capture"
- Proposed changes create a more even split of traffic on Morena/West Morena
  - -Treatment of the south split affects diversion of traffic
- "Pass-through" traffic decreases with MBAP changes
  - -Elimination of excess capacity discourages Morena as a by-pass
  - -Reduces trips through corridor by approx. 10%

# TRAFFIC MODELING NOTES

- North portion of study area operates well even with lane reductions
- South portion, both a roundabout & a "T" works well
- Morena/Napa/Sherman operates at a LOS "C" with a two-lane roundabout, but LOS "F" with one lane.
   Proposed configuration is D/E
- "Triangle-about" simplifies turning movements, reduces delay by about 30-40 seconds per intersection, but increases travel distance by about 30 seconds
- Knoxville extension to W Morena helps ease congestion at Morena/Tecolote

# **INSTRUCTIONS**

- 1. Go to the table that interests you the most (Three Alternative Mobility Option Tables & One Land Use Alternative Table)
- 2. Review the maps and ask questions
- 3. Provide written comments on post it notes
- 4. Rotate to the other three tables
- 5. Listen for a quick report back from the table facilitators

# BREAK

# **NEXT STEPS**

- 1. Revise concepts based on input received today
- 2. Adjust traffic modeling to reflect land use / roadway changes resulting from input
- 3. Produce Multi-modal Mobility Report, including recommended projects/improvements
- 4. Produce a Draft report including design guidelines, fiscal impact analysis, and implementation strategy
- 5. Present Draft for additional Public comment
- 6. Produce a Final report and make available to the public