

# City of Encinitas Circulation Element Update

Austin-Foust Associates, Inc.



## Circulation Element Update KEY CONCEPTS

- Multi-Modal
  - Motor vehicles
  - Transit
  - Bicycles
  - Pedestrians
- Street System
  - “Complete Streets”
  - “Context Sensitive”

# ARTERIAL STREET PLAN TASKS

1. Land Use Database (Existing and Future)
2. Traffic Model Preparation
3. Traffic Analysis
4. Arterial Street Plan Recommendations

## *Traffic Model*

RESIDENTIAL



7 - 10 Trips/DU  
70 - 100 Trips/Acre

INDUSTRIAL



7 Trips/1000 SF  
100 Trips/Acre

OFFICE



13 Trips/1000 SF  
180 Trips/Acre

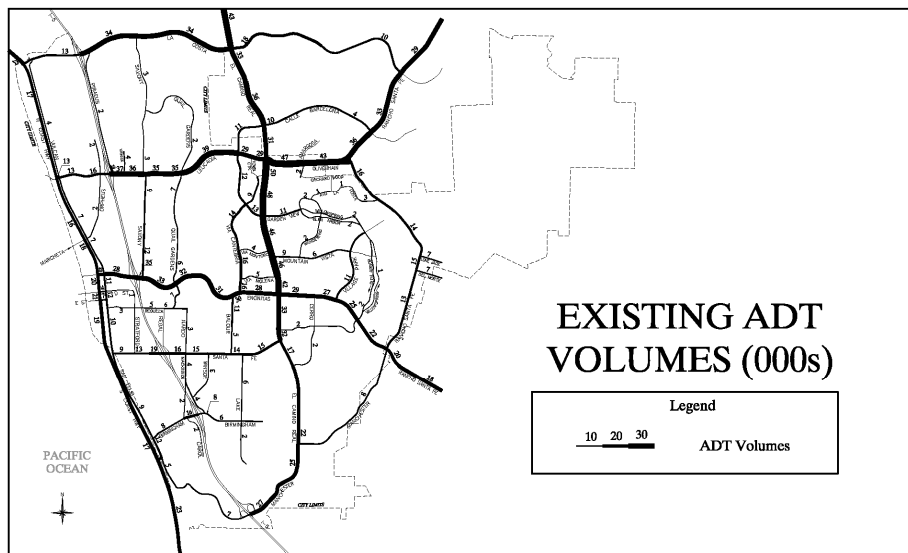
RETAIL

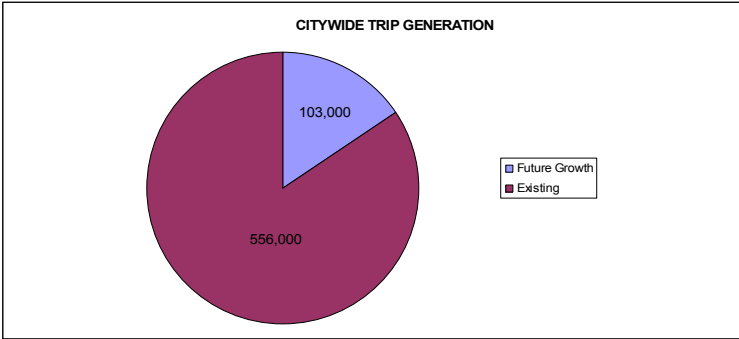


30 - 80 Trips/1000 SF  
400 - 800 Trips/Acre

# TRAFFIC MODEL PREPARATION

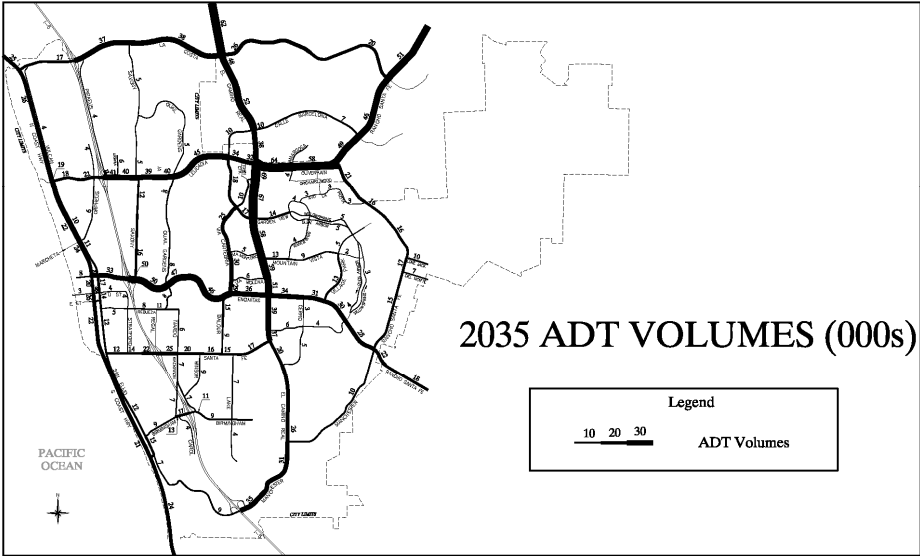
- SANDAG data used to update external component
- Validation for 2010 using traffic count data
- Buildout version using General Plan land use database





**DAILY TRIPS GENERATED**

LAND USE	EXISTING	2035	GROWTH
Residential	199,000	234,000	18%
Non-Residential	357,000	425,000	19%
<b>TOTAL</b>	<b>556,000</b>	<b>659,000</b>	<b>19%</b>



# TRAFFIC ANALYSIS

## *Key Concepts used in Preparing an Arterial Street Plan -*

- Demand
- Capacity
- Level of service

# LEVEL OF SERVICE

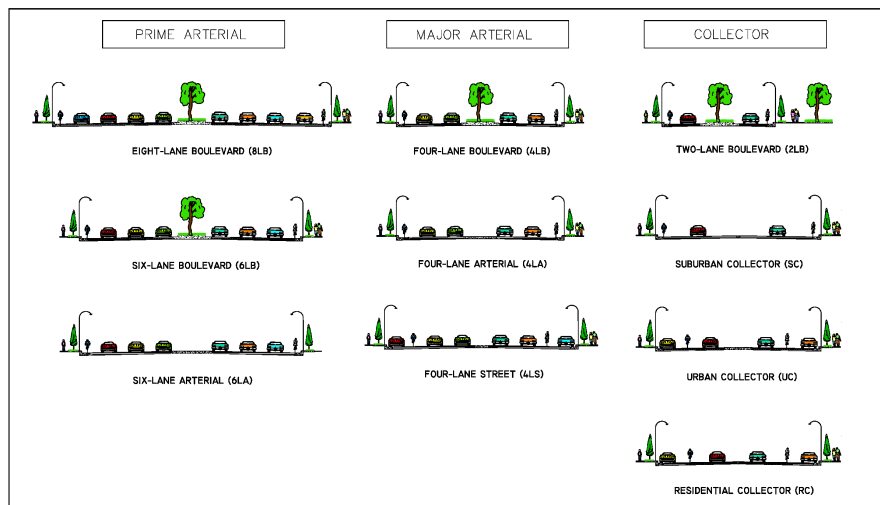
Conceptual meaning:

A	Ideal
B	Minimum delay
C	Some delay
D	Noticeable delay
E	Undesirable delay
F	Severe congestion

# ARTERIAL STREET PLAN

## *Street Classifications –*

- Current Circulation Element has limited variations
- A more “custom” approach would have:
  - Design classifications
  - Functional classifications



## CIRCULATION ELEMENT

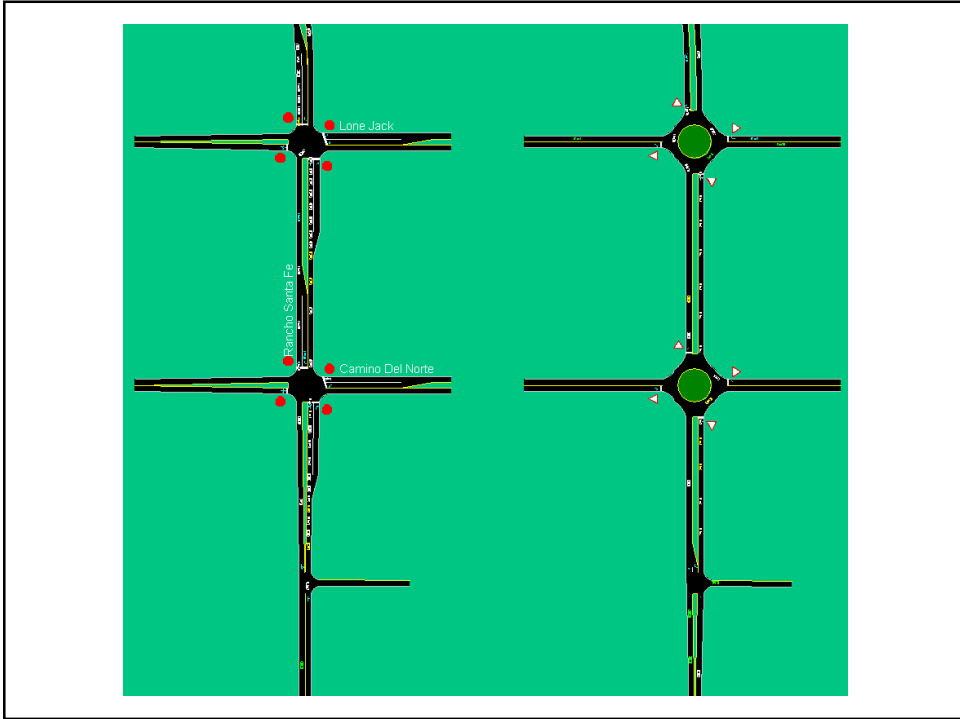
### *Potential New Features –*

- Design Classifications and Functional Classifications
- Level of Service Policy
- Special Study Areas

## EXAMPLES OF SPECIAL STUDY AREAS

- Rancho Santa Fe Road
- Coast Highway
- Encinitas Boulevard Interchange

Circulation Element will give direction for subsequent focused studies.



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