SANTA ANA CITYWIDE
SAFE ROUTES TO SCHOOL PLAN

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ALTA PLANNING + DESIGN

SOCAL-APWA COMPLETE STREETS & TECHNOLOGY CONFERENCE
APRIL 10, 2019
Today’s Topics

- Purpose of the Safe Routes to School Plan
- Coordinating with Past and Current Initiatives
- Existing Conditions Data Collection
- SRTS Infrastructure and Programming Recommendations
Purpose of the SRTS Plan

• Public Health
• Equity
• Economic
• Environmental
• Quality of Life

38% of California’s greenhouse gas emissions come from vehicle transportation.

California Air Resources Board, 2014

12% of budget spent on transportation

Families spend an average of 12% of their budget on transportation.

Previous & Current Efforts
OCHCA Walk Audits
SAUSD Facilities Plans
Santa Ana
Active Transportation Plan

Santa Ana Moves Like This: Santa Ana
Active Transportation Plan
Existing Conditions
School Walk Audits

Necesitamos Su Participación

¿CÓMO PODEMOS HACER QUE SEA MÁS SEGURO CAMINAR Y ANDAR EN BICICLETA A LA ESCUELA PARA NUESTROS HIJOS E HIJAS?

Únete a otros padres, madres, personal de la escuela, maestros, ingenieros y urbanistas para observar cómo los estudiantes llegan a

Escuela Intermedia Lathrop
1111 S Broadway, Santa Ana, CA
Encuéntranos en la entrada principal
Jueves 11 de abril a las 7:30 AM

COMO GRUPO PODREMOS:

- Observar a la gente caminar, andar en bicicleta y manejar alrededor de la escuela
- Examinar las instalaciones como las aceras, cruces y señales alrededor de la escuela
- Discutir lo que vimos y hemos visto alrededor de la escuela para poder mejorarla

¿PREGUNTAS? CONTACTE A:
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EMAIL: jrosel@katherinepadilla.com
School Walk Audits
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Student Travel Tallies

Morning and Afternoon Travel Mode Comparison

- Walk: Morning 31, Afternoon 36
- Bike: Morning 0, Afternoon 0
- School Bus: Morning 0, Afternoon 0
- Family Vehicle: Morning 63, Afternoon 58
- Carpool: Morning 5, Afternoon 4
- Transit: Morning 0, Afternoon 1
- Other: Morning 1, Afternoon 1
Ped/Bike/Auto Counts
## Ped/Bike/Auto Counts

### Peak Hour Analysis from 07:00 to 08:45 - Peak 1 of 1

Peak Hour for Entire Intersection Begins at 07:15

<table>
<thead>
<tr>
<th>Start Time</th>
<th>BAKER STREET Southbound</th>
<th>15TH STREET Westbound</th>
<th>BAKER STREET Northbound</th>
<th>DEAD END Eastbound</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Right</td>
<td>Thru</td>
<td>Left</td>
<td>App. Total</td>
</tr>
<tr>
<td>07:15</td>
<td>0</td>
<td>5</td>
<td>3</td>
<td>8</td>
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<tr>
<td>07:30</td>
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<td>11</td>
<td>9</td>
<td>20</td>
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<td>15</td>
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<tr>
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<tr>
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<td>64.5</td>
<td>35.5</td>
<td>42.3</td>
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<tr>
<td>PHF</td>
<td>000</td>
<td>333</td>
<td>611</td>
<td>775</td>
</tr>
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</table>

### Peak Hour Data

- Peak Hour Begins at 07:15
- Turning Movement:

![Diagram of traffic flow and peak hour data](image-url)
Recommendations
Recommendations

Raymond A. Villa Fundamental Intermediate School

1441 E Chestnut Ave.

Recommended Safe Routes to School Improvements

1. **E 1st St / Grand Ave**
   - Install four high-visibility continental crosswalks

2. **S McClay St Midblock**
   - Install a new school entrance along McClay to ease crowding at Chestnut

3. **S Grand Ave / S McClay St**
   - Redesign intersection by tightening curb radii from Grand onto McClay and prohibiting left turns onto Grand Ave
   - Install one high-visibility continental crosswalk

4. **E Chestnut Ave / S Grand Ave**
   - Tighten curb radii on all corners of the intersection
   - Provide advance stop bars prior to all crosswalks
   - Install four high-visibility continental crosswalks and leading pedestrian interval signal

5. **E Chestnut Ave Sidewalk Widening**
   - Widen the existing sidewalk on the north side of Chestnut Ave between Grand Ave and the SAUSD parking lot

6. **E Chestnut Ave Midblock**
   - Install electronic speed feedback signage

7. **E Chestnut Ave / S Lyon St**
   - Install four high-visibility continental crosswalks
   - Install advance yield markings prior to crosswalks within right turn slip lanes

8. **E Chestnut Ave**
   - Reconfigure to remove two automobile lanes and add Class II buffered bike lanes in each direction between Grand Ave and Elk Ln

9. **E 1st St / Lyon St**
   - Install four high-visibility continental crosswalks

*The city will use sidewalk inventory data to identify and address damaged or missing sidewalks and accessibility ramps.*
Recommendations
Enhanced Crosswalk
Curb Extension + Landscaping
Neighborhood Greenway (Class III)
Standard Bike Lane (Class II)
Green Bike Lane (Class II)
Buffered Bike Lane (Class II)

Source: Streetsblog LA
Separated Bikeway (Class IV)
Separated Bikeway (Class IV)
Pilot / Demonstration Projects
Pilot / Demonstration Projects
Pilot / Demonstration Projects
Pilot / Demonstration Projects
Support Programs
Support Programs

WE MAKE TIME
to
BRAKE FOR KIDS

TRAVEL SAFE

SHARE SPACE

Please travel safely in Santa Ana. When driving, look out for our children. When biking, follow the direction of traffic and stop at red lights and stop signs. Bike, drive, and walk with care.
Next Steps

- Identify priority “Safe Routes to School Corridors”
- Coordinate with recent and future plans and Capital Improvement Projects
- City continues applying for grants