2018 Commute Behavior Survey
Borders Committee
February 22, 2019

Survey Background

• Stated preference survey conducted every four years
• 2018 Commute Behavior Survey expanded to include
  • Shared mobility
  • Technology
  • Park & Rides
• Survey purpose
  • TDM programming, planning, and transportation modeling
Methodology

- 4,337 commuters who reside in San Diego County or Western Riverside County
  - 68% San Diego residents
  - 32% Western Riverside residents
- Mixed-Method approach
  - Recruited via phone and email
  - Data collection via phone and online
  - English & Spanish
- Overall margin of error is ± 1.6%
Primary Commute Mode

- Drive alone: 83.9%
- Public Transit: 6.0%
- Carpool: 5.1%
- Bike: 1.4%
- Motorcycle: 0.9%
- Walk: 0.8%
- On-Demand Rideshare*: 0.6%
- Vanpool: 0.7%
- Other Mode: 0.5%
- Prefer not to answer: 0.1%

*About half indicated that they use a pooled service like UberPOOL or Lyft’s Shared service

% Respondents That Commute Outside Home
Telework

- Work from home: 12%
- Commute outside home: 88%

Intraregional Commuter Travel

- 97% of commuters that live in San Diego County work in San Diego County
- 61% of commuters that live in Western Riverside County work in Western Riverside County
Interregional Commuter Travel Behavior

<table>
<thead>
<tr>
<th>All Commuters</th>
<th>Commuters Travelling Out of Riverside County Southbound</th>
</tr>
</thead>
</table>

Average Commute Distance

- 20 miles
- 52 miles

Average Commute Time

- 34 minutes
- 72 minutes
### Reason for Choosing Commute Mode

<table>
<thead>
<tr>
<th>Drive Alone</th>
<th>All Other Modes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Convenience</td>
<td>Cost/Cheaper</td>
</tr>
<tr>
<td>Time/Work Schedule</td>
<td>Convenience</td>
</tr>
<tr>
<td>Fastest Option</td>
<td>Avoid Traffic</td>
</tr>
</tbody>
</table>

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**Interest in Alternative Transportation**
Ranked Interest in Alternative Transportation Modes

<table>
<thead>
<tr>
<th>Mode</th>
<th>Interest in Alternative Transportation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Public Transit</td>
<td>32%</td>
</tr>
<tr>
<td>On-Demand Rideshare</td>
<td>26%</td>
</tr>
<tr>
<td>Carpool/Vanpool</td>
<td>23%</td>
</tr>
<tr>
<td>Bike/Walk</td>
<td>10%</td>
</tr>
<tr>
<td>Prefer not to answer</td>
<td>9%</td>
</tr>
<tr>
<td></td>
<td>% Commuters that Drive Alone</td>
</tr>
</tbody>
</table>

Primary Factors that Influence Travel Choice

- Competitive travel time
- Supportive infrastructure
- Easy and convenient access to and from transit
- Reduced costs for use
- Guaranteed ride home in case of an emergency
Transportation Information

Smart Phone Use

<table>
<thead>
<tr>
<th>Age Group</th>
<th>Respondents That Commute Outside Home</th>
</tr>
</thead>
<tbody>
<tr>
<td>16 to 24</td>
<td>97%</td>
</tr>
<tr>
<td>25 to 34</td>
<td>100%</td>
</tr>
<tr>
<td>35 to 44</td>
<td>100%</td>
</tr>
<tr>
<td>45 to 54</td>
<td>98%</td>
</tr>
<tr>
<td>55 to 64</td>
<td>95%</td>
</tr>
<tr>
<td>65 and older</td>
<td>92%</td>
</tr>
</tbody>
</table>

- Commuters that Reside in San Diego County
- Commuters that Reside in Western Riverside County
Interest in Mobility as a Service (Maas)

- Prefer not to answer: 1%
- Not interested: 14%
- Somewhat interested: 44%
- Very interested: 41%

Key Takeaways

- Convenience and a competitive travel times are main factors in commute choices
- Improve reliability and speed of service to help make alternative travel options more attractive
- Continue to explore partnerships with technology partners
- Explore opportunities for mobility hub pilots
Update on the Intraregional Tribal Transportation Strategy

Borders Committee
Friday, February 22, 2019
**Govt to Govt Framework**

- Tribal representation on Board and Policy Committees
- Interagency Technical Working Group on Tribal Transportation Issues
- Regional Plan Consultation
- Periodic Summits
- Ongoing Collaborative Policy Strategies

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**2015 Regional Plan**

**Early Action:**
Develop a strategy for addressing Tribal mobility needs
Intraregional Tribal Transportation Strategy

A collaborative effort to identify and analyze tribal mobility needs in a regional context. It included:

- Survey to identify multimodal transportation improvements
- Establish goals/criteria
- Planning level cost estimates
- Identify partners
- Develop funding/partnership approach
- Develop implementation strategy

Intraregional Tribal Transportation Strategy

- Funded by Caltrans Strategic Partnership Planning Grant
- SCTCA and SANDAG collaboration (local match)
- Tribal Working Group served as Project Advisory Group
Identified Goal Areas

Relative Importance of Goal Areas for Transportation Improvements

<table>
<thead>
<tr>
<th>Goal Area</th>
<th>Relative Importance</th>
</tr>
</thead>
<tbody>
<tr>
<td>SAFETY</td>
<td>22.4%</td>
</tr>
<tr>
<td>ROADWAY CONDITION</td>
<td>20.9%</td>
</tr>
<tr>
<td>ECONOMIC VITALITY</td>
<td>18.3%</td>
</tr>
<tr>
<td>REGIONAL CONNECTIVITY</td>
<td>16.6%</td>
</tr>
<tr>
<td>TRANSIT MOBILITY</td>
<td>12.1%</td>
</tr>
<tr>
<td>BICYCLE AND PEDESTRIAN</td>
<td>9.8%</td>
</tr>
</tbody>
</table>

Tribal Mobility Survey

- 126 projects
- 2/3 coincide with other plans
- Searchable database
Strategy

- Support Partnerships/Collaboration
- Coordinate Collaborative Planning
- Share Data Supporting Tribal Transportation
- Create Opportunities to Fund Priority Tribal Transportation Projects/Programs

Implementation Underway

- **Corridor Subgroups** identified a list of projects that could be implemented in the near term
  - Potentially eligible for SHOPP funding
  - Work already underway
  - Potential eligible for other or new funding sources

- **Engaged** state and federal agencies to assist in identifying funding sources

- **Tribal** Proposals submitted
  - Highway Safety Improvement Program
  - Caltrans Planning Grants
Imperial County Transportation Commission

Border Transportation Project Updates

February 22, 2019

ICTC received a Congestion Mitigation and Air Quality federal program fund to complete the environmental and design plans of the Calexico Intermodal Transportation Center (ITC). ICTC received $494,000 in federal Congestion Mitigation and Air Quality (CMAQ) funds to complete the environmental and design plans for the new Calexico ITC.

Contract Award
ICTC Board adopted the agreement with Psomas on September 26, 2018.

What is next
Complete Design: 2019
Begin Construction: FY 2020/21

Environmental Phase
Environmental phase is in progress with consultant team and agency partners.

Federal Funds
ICTC received a Congestion Mitigation and Air Quality federal program fund to complete the environmental and design plans of the new Calexico ITC.
Calexico West POE Phase 1 Completed

- 10 New Northbound Lanes
- 6 New Southbound Lanes
- New Headhouse
- Secondary inspection canopies, booths and inspection equipment
Calexico West POE
Phase 2

Total Cost: $275 million
2019 Appropriation: $191 million

- Demolition of existing port building
- Build temporary pedestrian processing facility
- Construct new pedestrian building
- Construct new administration building
- 6 additional northbound POV lanes
  w/canopies & booths
Current Update:

- Cesar Chavez Blvd. portion expected to be completed by June 2019
- SR 98 – Rockwood to Ollie Ave.
  - Design completed: Late 2019
  - Construction begins: January 2020

Calexico West Port of Entry Traffic Circulation Plan

- Public outreach, Traffic Counts and Review
  Public outreach events were held concurrently with the opening of Phase I improvements.

- Phase 1 Staged Opening of Port Expansion
  - Southbound Traffic Shift – Open to Public: July 2018
  - Northbound Traffic Shift – Open to Public: September 2018
  - Cesar Chavez Blvd. Expansion - Construction began: September 2018
    Construction complete: June 2019
Calexico East Port of Entry Bridge Widening Project

Calexico East Border Crossing Data

2017 Annual Data
• 7,519,254 Northbound crossers (pedestrians, cars and buses)
• $15.8 billion in imports/exports
• 360,833 Northbound Trucks

**Source: U.S. Bureau Transportation Statistics

Economic Impacts of Border Delays

Output losses due to commercial and passenger vehicle delays:
• $620 Million to State of California
• $384 Million to Imperial County
• $755 Million to Mexico
• $629 Million to Baja California

** Source: SCAG 2012 Goods Movement Study
Calexico East POE Bridge Expansion
$20 Million
Project Funding

- **California Transportation Commission - TCEP**
  - Preliminary Engineering and Environmental Phase
  - $3,000,000

- **ICTC**
  - Local Funds
  - Design-Build Construction Phase
  - $1,844,000

- **BUILD Grant**
  - Design-Build Construction Phase
  - $20,000,000

- **GAP – Pending Awards if necessary**
  - Design-Build Construction Phase
  - $5M

**TOTAL ESTIMATED COST $30M**

Projected Schedule

- **June 2018**
  - Project Initiation Document
- **FALL 2018**
  - Complete Environmental & Preliminary Engineering Phase
- **May 2020**
  - Begin Environmental (PA&ED) Phase
- **February 2021**
  - Begin Design-Build Construction Phase
Senate Bill 1 Trade Corridor Enhancement Program (TCEP)

Intelligent Transportation System (ITS)
• San Ysidro and Otay Mesa Ports of Entry
• Calexico East and Calexico West Ports of Entry

Project Goal:
The project goal is to implement Intelligent Transportation System (ITS) strategies that will improve border travel delays.
• Roadway technology to track wait-time delays
• Changeable message signs on State Routes to inform border travelers of Port of Entry delays.

Thank You
Binational Delegation to Mexico City

Twitter: #SDinMX

Advocacy Goals

- Promote and strengthen the U.S.-Mexico economic and diplomatic relationship.
- Convey the region’s strong support for USMCA.
- Explore opportunities for public-private partnerships.
Advocacy Goals

- Promote border infrastructure projects: Otay Mesa East Port of Entry and the Rail Port of Entry at Tecate.
- Seek federal funding for solution mitigating transboundary pollution.

Meetings
2018 Binational Delegation Trip
Mexican Congress and Senate

Over 90 delegates
are
Paola Avila, 3/20/2018
Valuable Networking

Including:

- Five Mayors
- Four Councilmembers
- Two Consul Generals
- Baja and California Governor Representatives
- 42 Companies

2019 Attendees include:

- Five Mayors
- Eight Councilmembers
- Two Consul Generals
- State of Baja California Representatives
- 24 Companies
Binational Delegation to Mexico City

Cultural Outings