The Vision for the 2021 Regional Plan

TransNet Independent Taxpayer Oversight Committee – November 4, 2020
A bold new approach to planning for the future

Embracing data-driven planning, incorporating emerging technologies, and incorporating resident input

Three challenges

Reduce congestion
Improve social equity
Meet state and federal mandates – to be faster, fairer, and cleaner
5 Big Moves

Key strategies to envision our future transportation ecosystem

Next OS
Enabling technology

Complete Corridors
Backbone of a multimodal system

Flexible Fleets
First and Last mile options

Transit Leap
Quality transit alternatives to automobiles

Mobility Hubs
Connection and transfer points

Concept Development
Getting input from communities

Vision Advisory Panel

adaptable systems // resiliency // safety // power of data // public private partnerships //
Mobility Hubs

Identifying Critical Connections
Data-Driven Planning
Where people live and work

Trips to and from employment centers are the most predictable
Other regional trips, including trips from the border and to recreation in Balboa Park and Mission Bay.

Other work trips including military bases.
7% low-income residents have access to fast and frequent transit service

The median transit travel time is 51 minutes – double the travel time for people who drive to work
10% of the region’s population has a disability

13% of our population will be age 75 or older in 2050
42% of greenhouse gas emissions come from transportation/passenger vehicles.

Network Development and Refinement
**Complete Corridors**

**Proposed Complete Corridor Network**

A system of managed lanes in the most traveled corridors in the western part of our region.
SR 78 today

SR 78 could be reimagined using the Complete Corridors concept
SR 78 could have technology to manage lanes

Transit Leap
Transit Leap Service Types

- **Commuter rail**
  Fully grade separated, higher speed, longer distance

- **Light rail**
  Fully/partially grade separated, medium speed, shorter distance

- **Next Gen Rapid**
  Rapid and Express (with transit priority)

- **Local bus** and **Flexible Fleets**

Proposed Transit Leap Network

This network aligns with Complete Corridors and has three primary services.
San Ysidro Transit Center and pick-up/drop-off areas today

Envision San Ysidro Transit Center with managed curbs, Flexible Fleets, and bike lanes
San Ysidro Transit Center Trolley platform and curb today

San Ysidro Transit Center could connect light rail with commuter rail using Transit Leap
Mobility Hubs

Proposed Regional Mobility Hub Network
Proposed Central Mobility Hub
An area where people could connect to transit options throughout the region

A Central Mobility Hub could connect people to the airport
A Central Mobility Hub could connect people to Flexible Fleets, micromobility, and ridehailing

A Central Mobility Hub could be a central connection for light rail, commuter rail, and interregional rail
Mission at Nevada is a 5-minute bike ride or 10-minute walk to the Oceanside Transit Center.

Mission at Nevada with Mobility Hub.
Flexible Fleet Services

- **Micromobility**: Low-speed devices
- **Ridehail & Carshare**: On-demand vehicles
- **Rideshare**: Shared rides
- **Microtransit**: On-demand shuttles
- **Last Mile Delivery**: Ground and aerial package delivery
Flexible Fleets operate everywhere

Services could thrive in urban, suburban, and rural settings

Driverless vehicles link for added capacity
Privacy screens offer a comfortable experience

Cleaning bot

WiFi and mobile device charging

Accessible boarding
Space for personal belongings
Folding rack for bikes
Mira Mesa Boulevard in the Sorrento Valley employment center today

Transit Leap and Flexible Fleets could improve access to Sorrento Valley
Flexible Fleets and Complete Corridors could make traveling to Sorrento Valley easy, convenient, and safe.
Laura’s Journey

- Lives in southeast San Diego with her family
- Essential worker, commutes to Sorrento Valley
- Transports her son to junior high school and toddler to daycare
Laura’s commute is improved by Next OS

Future Trip Options with Next OS

Typical Current Trip

Laura’s morning routine gets easier with the 5 Big Moves
A Bold New Vision
Fast, Fair, Clean
THE U.S. RECOVERY WILL TAKE TIME

US Gross Domestic Product

Average of 11 National Forecasts (9/15 to 10/15)

Weekly Unemployment Insurance Claims

Income and Consumption

SAN DIEGO REGION ECONOMY: STILL A LONG WAY TO GO

San Diego Employment During Recessions

Visits to Restaurants, Cafes, Shopping Malls, Theme
Parks, Museums, Libraries, and Movie Theaters

Small Business Survey, San Diego: How long before
this business returns to its normal level of operations?

Credit/Debit Card Spending

Source: BEA, U.S. Employment and Training Administration, SANDAG calculations

Source: BEA, Census Bureau/CalMd, Google mobility reports, Opportunity Insights

Agenda Item No. 12 | ITOC
November 4, 2020
SANDAG is using big data to monitor key variables that help track when the economy might return to pre-COVID-19 levels.


### Tracking the Recovery

<table>
<thead>
<tr>
<th>Stay at home order</th>
<th>Reopening begun</th>
<th>Reopening rolled back</th>
<th>September (ITO update)</th>
</tr>
</thead>
<tbody>
<tr>
<td>PreCOVID-19</td>
<td>March</td>
<td>April</td>
<td>May</td>
</tr>
<tr>
<td>3%</td>
<td>3%</td>
<td>4%</td>
<td>5%</td>
</tr>
</tbody>
</table>

### Unemployment

<table>
<thead>
<tr>
<th>PreCOVID-19</th>
<th>March</th>
<th>April</th>
<th>May</th>
<th>June</th>
<th>July</th>
<th>August</th>
<th>September</th>
<th>October</th>
</tr>
</thead>
<tbody>
<tr>
<td>3%</td>
<td>3%</td>
<td>4%</td>
<td>5%</td>
<td>10%</td>
<td>15%</td>
<td>18%</td>
<td>21%</td>
<td>22%</td>
</tr>
</tbody>
</table>

### VMT (Vehicle Miles Traveled)

<table>
<thead>
<tr>
<th>PreCOVID-19</th>
<th>March</th>
<th>April</th>
<th>May</th>
<th>June</th>
<th>July</th>
<th>August</th>
<th>September</th>
<th>October</th>
</tr>
</thead>
<tbody>
<tr>
<td>100%</td>
<td>101%</td>
<td>93%</td>
<td>70%</td>
<td>54%</td>
<td>54%</td>
<td>49%</td>
<td>54%</td>
<td>58%</td>
</tr>
</tbody>
</table>

### Mobility Data

<table>
<thead>
<tr>
<th>PreCOVID-19</th>
<th>March</th>
<th>April</th>
<th>May</th>
<th>June</th>
<th>July</th>
<th>August</th>
<th>September</th>
<th>October</th>
</tr>
</thead>
<tbody>
<tr>
<td>100%</td>
<td>103%</td>
<td>98%</td>
<td>71%</td>
<td>54%</td>
<td>55%</td>
<td>49%</td>
<td>45%</td>
<td>41%</td>
</tr>
</tbody>
</table>

### Foot Traffic by Type of Business

<table>
<thead>
<tr>
<th>PreCOVID-19</th>
<th>March</th>
<th>April</th>
<th>May</th>
<th>June</th>
<th>July</th>
<th>August</th>
<th>September</th>
<th>October</th>
</tr>
</thead>
<tbody>
<tr>
<td>100%</td>
<td>100%</td>
<td>123%</td>
<td>92%</td>
<td>75%</td>
<td>75%</td>
<td>68%</td>
<td>66%</td>
<td>73%</td>
</tr>
</tbody>
</table>

### Credit Card Spending

<table>
<thead>
<tr>
<th>PreCOVID-19</th>
<th>March</th>
<th>April</th>
<th>May</th>
<th>June</th>
<th>July</th>
<th>August</th>
<th>September</th>
<th>October</th>
</tr>
</thead>
<tbody>
<tr>
<td>100%</td>
<td>96%</td>
<td>97%</td>
<td>75%</td>
<td>60%</td>
<td>65%</td>
<td>59%</td>
<td>64%</td>
<td>71%</td>
</tr>
</tbody>
</table>

### restaurants

<table>
<thead>
<tr>
<th>PreCOVID-19</th>
<th>March</th>
<th>April</th>
<th>May</th>
<th>June</th>
<th>July</th>
<th>August</th>
<th>September</th>
<th>October</th>
</tr>
</thead>
<tbody>
<tr>
<td>100%</td>
<td>98%</td>
<td>84%</td>
<td>39%</td>
<td>33%</td>
<td>33%</td>
<td>28%</td>
<td>32%</td>
<td>35%</td>
</tr>
</tbody>
</table>

### Hotels

<table>
<thead>
<tr>
<th>PreCOVID-19</th>
<th>March</th>
<th>April</th>
<th>May</th>
<th>June</th>
<th>July</th>
<th>August</th>
<th>September</th>
<th>October</th>
</tr>
</thead>
<tbody>
<tr>
<td>100%</td>
<td>91%</td>
<td>76%</td>
<td>38%</td>
<td>26%</td>
<td>23%</td>
<td>18%</td>
<td>19%</td>
<td>23%</td>
</tr>
</tbody>
</table>

### Airport

<table>
<thead>
<tr>
<th>PreCOVID-19</th>
<th>March</th>
<th>April</th>
<th>May</th>
<th>June</th>
<th>July</th>
<th>August</th>
<th>September</th>
<th>October</th>
</tr>
</thead>
<tbody>
<tr>
<td>100%</td>
<td>96%</td>
<td>80%</td>
<td>40%</td>
<td>15%</td>
<td>10%</td>
<td>7%</td>
<td>6%</td>
<td>8%</td>
</tr>
</tbody>
</table>

### Credit card spending

<table>
<thead>
<tr>
<th>PreCOVID-19</th>
<th>March</th>
<th>April</th>
<th>May</th>
<th>June</th>
<th>July</th>
<th>August</th>
<th>September</th>
<th>October</th>
</tr>
</thead>
<tbody>
<tr>
<td>100%</td>
<td>96%</td>
<td>97%</td>
<td>75%</td>
<td>60%</td>
<td>65%</td>
<td>59%</td>
<td>64%</td>
<td>71%</td>
</tr>
</tbody>
</table>

### Restaurants

<table>
<thead>
<tr>
<th>PreCOVID-19</th>
<th>March</th>
<th>April</th>
<th>May</th>
<th>June</th>
<th>July</th>
<th>August</th>
<th>September</th>
<th>October</th>
</tr>
</thead>
<tbody>
<tr>
<td>100%</td>
<td>98%</td>
<td>84%</td>
<td>39%</td>
<td>33%</td>
<td>33%</td>
<td>28%</td>
<td>32%</td>
<td>35%</td>
</tr>
</tbody>
</table>

### Credit card spending

<table>
<thead>
<tr>
<th>PreCOVID-19</th>
<th>March</th>
<th>April</th>
<th>May</th>
<th>June</th>
<th>July</th>
<th>August</th>
<th>September</th>
<th>October</th>
</tr>
</thead>
<tbody>
<tr>
<td>100%</td>
<td>96%</td>
<td>97%</td>
<td>75%</td>
<td>60%</td>
<td>65%</td>
<td>59%</td>
<td>64%</td>
<td>71%</td>
</tr>
</tbody>
</table>