MISSION
CALIFORNIA HIGH-SPEED RAIL

To initiate the construction of a high-speed train system that utilizes an alignment and technology capable of sustained speeds of 200 miles per hour or greater.

Three principles guide our decisions:

1. Initiate high-speed rail service in California as soon as possible.

2. Make strategic, concurrent investments that will be linked over time and provide mobility, economic and environmental benefits at the earliest possible time.

3. Position ourselves to construct additional segments as funding becomes available.
2020 STATUS
CALIFORNIA HIGH-SPEED RAIL

350 miles of electrified high-speed rail under development
2022 PROGRESS
CALIFORNIA HIGH-SPEED RAIL

- 350 miles under construction
- Full 520-mile system environmentally cleared
• A 180 mile electrified high-speed rail line between Las Vegas, Nevada and Victorville, California
  » 130 miles in California primarily along the I-15 Corridor
  » A trip time of 90 minutes at speeds capable of over 150mph

• The MOU lays out a partnership agreement to do the following key activities:
  » Evaluate opportunities to extend to Palmdale, California and interconnect with California High-Speed Rail system
  » Share information on designs, operations, ridership, and construction data to evaluate interoperability
  » Evaluate and identify joint purchasing opportunities for materials and possibly rolling stock and reservation/ticketing systems
VIRGIN TRAINS COORDINATION
BENEFITS TO SOUTHERN CALIFORNIA

• Working together now will provide opportunities to explore bringing high-speed rail benefits to Southern California sooner

• Together the two systems provide a synergy and potential higher ridership and other benefits greater than the sum of each system individually

• Provides an opportunity to leverage joint procurements and systems development

• State Treasurer and Infrastructure Bank are assisting with Virgin Trains financing through a private activity bond allocation, introducing a new funding element in high-speed rail delivery in California

• An extension from Victorville to Palmdale could bring international partners to the table, and possible future public/private partnerships for Palmdale to LA/Anaheim project delivery and operations
INVESTING IN ALL REGIONS OF THE PHASE 1 SEGMENT
San Francisco to Los Angeles/Ausheim

Southern California - $1.3 billion

- $441 million for Los Angeles Union Station (in federal environmental review process)
- $363 million in environmental review work for shared corridor improvements (for HSR, Metrolink, LOSSAN, others).
- $77 million for Rosecrans/Marquardt Grade Separation
- $398 million in Proposition 1A “Connectivity Projects”

Rosecrans/Marquardt Artist Concept
Northern California/Bay Area – $1.6 billion

- $714 million for the Caltrain Electrification project (under construction)
- $293 million in environmental review work between San Jose-Merced and San Francisco-San Jose (in process)
- $84 million for the San Mateo Grade Separation project (under construction)
- $543 million in Proposition 1A “Connectivity Projects”
## CONNECTING CALIFORNIA
### CALIFORNIA HIGH-SPEED RAIL

<table>
<thead>
<tr>
<th>Project Segment</th>
<th>Draft EIR/EIS</th>
<th>Revised ROD Date</th>
<th>Difference from 2019 Baseline (in months)</th>
<th>Months to ARRA 12/2022 Deadline from ROD Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Locally Generated Alternative (F – B)</td>
<td>July 2019</td>
<td>October 2019</td>
<td>3</td>
<td>39</td>
</tr>
<tr>
<td>Central Valley Wye (M – F)</td>
<td>September 2019</td>
<td>September 2020</td>
<td>5</td>
<td>27</td>
</tr>
<tr>
<td>Bakersfield to Palmdale</td>
<td>January 2020</td>
<td>February 2021</td>
<td>8</td>
<td>22</td>
</tr>
<tr>
<td>Burbank to Los Angeles</td>
<td>February 2020</td>
<td>January 2021</td>
<td>5</td>
<td>23</td>
</tr>
<tr>
<td>Palmdale to Burbank</td>
<td>February 2020</td>
<td>August 2021</td>
<td>6</td>
<td>16</td>
</tr>
<tr>
<td>San Jose to Merced</td>
<td>March 2020</td>
<td>April 2021</td>
<td>4</td>
<td>20</td>
</tr>
<tr>
<td>San Francisco to San Jose</td>
<td>April 2020</td>
<td>June 2021</td>
<td>2</td>
<td>18</td>
</tr>
<tr>
<td>Los Angeles to Anaheim</td>
<td>November 2020</td>
<td>December 2021</td>
<td>-</td>
<td>12</td>
</tr>
</tbody>
</table>