San Pablo Rapid
AC Transit

- Service Area: 364 square miles
- Population: 1,415,129
- Bus lines: 125
- Bus Fleet: 650
- Bus stops: 6,500
- Annual service miles: 21 million
- Daily Ridership: 206,259

AC Transit buses connect with 9 other public and private bus systems, 21 BART stations, 6 Amtrak stations, and 3 ferry terminals.
AC Transit Definition of Rapid Bus

» Headway based schedule w/ maximum 12-minute headways
» Stops one-half to two-thirds of a mile apart, on average
» As many stops far side as possible
» Traffic signal coordination, transit signal priority, queue jump lanes
» Recognizable shelters, with Rapid branding and bus arrival information signs
» Recognizable vehicles, with Rapid branding and features which reduce dwell time.
Service Changes for 72R

- Headway-based schedule
  - 12-minute peak frequency on top of local service
- 26 Rapid stops at major intersections
  - 0.54 miles apart on average
- Far-side stops
- 20% time savings calculated into schedule
Technology Improvements for 72R

» 3M’s Opticom Transit Signal Priority System
» Coordination and re-timing of traffic signals
» Addition of queue-jump lanes
» Next Bus type Bus Arrival Information System in conjunction with Orbital A.V.L. system
» 40’ three-door, low-floor Van Hool buses
Real-Time Bus Arrival Information
Marketing - Branding
Marketing - Branding
External Coordination

» Work with the Alameda County Congestion Management Agency (ACCMA)
» Seven cities and 2 counties
» Caltrans - State Department of Transportation
» Shelter Agreements with multiple vendors
Alameda County CMA Coordination

» ACCMA is lead Agency for East Bay SMART Corridors Program
  • Policy Advisory Committee
  • Technical Advisory Committee
  • Operations Subcommittee oversight of TSP

» SMART Corridor responsible for signal upgrades including construction, signal coordination, and TSP software development
City Public Works Coordination

» Moving bus stops to far-side
  (replacement/removal of parking)
» Approving advertising street-furniture program
» Installation of queue jump lanes
» Signal coordination and re-timing
» Installation of signal priority
Working with Caltrans

» Caltrans owns the right-of-way on 1/2 of the Corridor
» Caltrans owns a majority of the signals on the Corridor
» Work with Caltrans on installing the Signal Priority System
» Work with Caltrans on installing queue jump lanes
» Coordination with street re-pavement program and installation of bus pads
Line 72R - SAN PABLO RAPID BUS
Implemented June 30, 2003
72R vs 72L

» 72L from 6 - 9 AM & 3 - 7 PM (Total 7 hours)
» 72R runs from 6 AM to 7 PM (Total 13 hours)

» Direct Comparison of 72R to 72L trips, from 6 - 9 AM & 3 - 7 PM
  • Goals
    > 20% decrease in running time
    > 25% ridership increase
  • Results
    > 17.1% decrease in actual running time
    > 65.8% ridership increase
Survey Responses

How did you make this trip before Rapid Bus?

<table>
<thead>
<tr>
<th>Mode</th>
<th>No. of Responses</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bus</td>
<td>942</td>
<td>55.2%</td>
</tr>
<tr>
<td>Did not make trip</td>
<td>149</td>
<td>8.7%</td>
</tr>
<tr>
<td>BART</td>
<td>220</td>
<td>12.9%</td>
</tr>
<tr>
<td>Car</td>
<td>322</td>
<td>18.9%</td>
</tr>
<tr>
<td>Other</td>
<td>72</td>
<td>4.2%</td>
</tr>
<tr>
<td>Total</td>
<td>1,705</td>
<td>100.0%</td>
</tr>
</tbody>
</table>

* 28 respondents did not answer this question

If you answered "Bus" on the previous question, what bus line did you use previously?

<table>
<thead>
<tr>
<th>Bus</th>
<th>No. of Responses</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>*72, 72L, 73</td>
<td>635</td>
<td>73.3%</td>
</tr>
<tr>
<td>Other</td>
<td>231</td>
<td>26.7%</td>
</tr>
<tr>
<td>Total</td>
<td>866</td>
<td>100.0%</td>
</tr>
<tr>
<td>Service Area</td>
<td>Excellent</td>
<td>Good</td>
</tr>
<tr>
<td>---------------------------------------------</td>
<td>-----------</td>
<td>------</td>
</tr>
<tr>
<td>Rapid Bus service overall</td>
<td>39.3</td>
<td>43.6</td>
</tr>
<tr>
<td>Easy to identify the right bus</td>
<td>45.8</td>
<td>36.5</td>
</tr>
<tr>
<td>Wheelchair Securement</td>
<td>42.4</td>
<td>37.8</td>
</tr>
<tr>
<td>Travel time on the bus</td>
<td>37.2</td>
<td>40.3</td>
</tr>
<tr>
<td>Quality of New Buses</td>
<td>39.9</td>
<td>37.2</td>
</tr>
<tr>
<td>Location of bus signs</td>
<td>35.5</td>
<td>41.6</td>
</tr>
<tr>
<td>Frequency of Buses</td>
<td>34.1</td>
<td>40.9</td>
</tr>
<tr>
<td>Reliability</td>
<td>30.3</td>
<td>42</td>
</tr>
<tr>
<td>Routes go where I need to go</td>
<td>34.7</td>
<td>36.6</td>
</tr>
<tr>
<td>Quality of Bus Shelters</td>
<td>27.6</td>
<td>41.7</td>
</tr>
<tr>
<td>Cleanliness</td>
<td>26.7</td>
<td>42.1</td>
</tr>
<tr>
<td>Personal safety on buses</td>
<td>26</td>
<td>42.2</td>
</tr>
<tr>
<td>Driver courtesy</td>
<td>29.6</td>
<td>38</td>
</tr>
<tr>
<td>Information at bus stops</td>
<td>27.2</td>
<td>37.8</td>
</tr>
<tr>
<td>Availability of seats</td>
<td>21.2</td>
<td>39.4</td>
</tr>
<tr>
<td>Value for fare paid</td>
<td>23.1</td>
<td>33.5</td>
</tr>
</tbody>
</table>
RAPID

MOVING YOU FASTER & BETTER