



COMMITTEE TRANSMITTAL

**March 10, 2014**

**To:** Members of the Board of Directors  
**From:** Wendy Knowles, Clerk of the Board *WK*  
**Subject:** Measure M2 Project W Safe Transit Stops

Executive Committee meeting of March 3, 2014

Present: Chairman Nelson, Vice Chairman Lalloway, and  
Directors Donchak, Hennessey, Shaw, Spitzer, and  
Winterbottom  
Absent: None

**Committee Vote**

The item was passed by the Committee Members present.

Director Winterbottom was not present to vote on this item.

**Committee Recommendation**

Direct staff to work with local agencies and return with funding recommendations in August 2014.



**ORANGE COUNTY TRANSPORTATION AUTHORITY**

## **Measure M2 Project W Safe Transit Stops**

### **Staff Report**



**March 3, 2014**

**To:** Executive Committee  
**From:** Darrell Johnson, Chief Executive Officer  
**Subject:** Measure M2 Project W Safe Transit Stops

### **Overview**

Measure M2 establishes a program through Project W to provide funding for passenger amenities at the 100 busiest bus stops across Orange County. The intent is to improve passenger amenities at major transfer points. Staff is requesting that the Board of Directors' direct staff to work with local agencies and develop recommendations for a list of projects to be funded.

### **Recommendation**

Direct staff to work with local agencies and return with funding recommendations in August 2014.

### **Background**

Measure M2 includes Project W Safe Transit Stops (Attachment A). This program provides funding for passenger amenities at the 100 busiest bus stops in Orange County, determined by average daily weekday passenger boardings. The M2020 Plan approved by the Orange County Transportation Authority (OCTA) Board of Directors (Board) on September 10, 2012, identified \$5.5 million on a pay-as-you-go basis through 2020 for Project W.

### **Discussion**

In order to provide Project W funds for the regional and local transit amenities, OCTA's proposed framework (Attachment B) splits the program into two categories. These two categories include:

City-Initiated Bus Stop Improvements: 80 percent of the available Project W funds (\$4,470,000 through 2020) will be provided to construct local bus stop

amenities implemented by cities. Local agencies will be responsible for project planning, design, right-of-way, utility relocation, and for maintaining the bus stop improvements. Project W funds will be provided for the construction of transit amenities such as bus shelters, lighting, seating, and waste receptacles.

OCTA-Initiated Improvements: Up to 20 percent of the available Project W funds (\$1,120,000 through 2020) are proposed to be directed towards the development and implementation of regional, customer-facing technologies, such as real time text4next system and other elements that benefit the 100 busiest stops, as well as the overall bus system.

The proposed framework will provide up to \$950,000 for city-initiated improvements, and \$240,000 for OCTA-initiated improvements in fiscal year 2014-15.

OCTA staff will work with the eligible local agencies to prepare a needs assessment for the first 100 busiest OCTA bus stops (Attachment C). The needs assessment will consider the following factors:

- Ridership demand;
- Improvements needed to the transit stops;
- Current age of the bus stops and amenities;
- Current conditions; and
- Other priority factors identified by the local agencies.

The mechanism referenced above will serve as a screening tool to assure that the Measure M2 funds are utilized to provide transit amenities at the busiest transit stops with the highest need.

The OCTA proposed framework for Project W will provide up to \$30,000 for the eligible transit amenities at each bus stop. Staff will work with the local agencies to develop priorities and bring back a prioritized project list to the OCTA Board for consideration and final funding recommendations. OCTA anticipates funding for the next cycle of projects in 2016.

### ***Summary***

Project W will provide funding for the transit amenities at the 100 busiest OCTA bus stops in Orange County on a pay-as-you-go basis. Staff is seeking direction to work with local agencies and to bring project recommendations back to the Board by August 2014.

***Attachments***

- A. Transit Projects – Community-Based Transit/Circulators – Safe Transit Stops
- B. Draft Project W Framework
- C. List of 100 Busiest Orange County Transportation Authority Transit Stops in Orange County

**Prepared by:**

A handwritten signature in black ink, appearing to read 'Supindya/Kaur'.

Sam Kaur  
Section Manager, Measure M Local  
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**Approved by:**

A handwritten signature in black ink, appearing to read 'Kia Mortazavi'.

Kia Mortazavi  
Executive Director, Planning  
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**ORANGE COUNTY TRANSPORTATION AUTHORITY**

## **Measure M2 Project W Safe Transit Stops**

### **Attachment A**



## Transit Projects

### Community Based Transit/Circulators Safe Transit Stops

#### Project **W**

##### Safe Transit Stops

##### Description:

This project provides for passenger amenities at 100 busiest transit stops across the County. The stops will be designed to ease transfer between bus lines and provide passenger amenities such as improved shelters, lighting, current information on bus and train timetables and arrival times, and transit ticket vending machines.

##### Cost:

The estimated cost of this project is \$25.0 million.





**ORANGE COUNTY TRANSPORTATION AUTHORITY**

## **Measure M2 Project W Safe Transit Stops**

### **Attachment B**



## **Draft Project W Framework**

### **PURPOSE**

This is a fixed-scope program which provides funding for passenger amenities at the 100 busiest bus stops in Orange County determined by average daily weekday passenger boardings (October 2012 data).

#### **City-Initiated Bus Stop Improvements**

Eighty percent of the available Project W funding (\$4,470,000) will be made available to support city-initiated projects. The Orange County Transportation Authority (OCTA) is functioning as the funding agency for the local bus stop amenity improvements implemented by cities under this program. Local jurisdictions have the authority and responsibility for designing, constructing, and maintaining bus stop improvements. Local agencies will retain local control and responsibility for these improvements including, but not limited to, shelters, lighting, seating, and waste receptacles.

#### **OCTA-Initiated Bus Stop Improvements**

Twenty percent of available Project W funding (\$1,120,000) is proposed to be directed towards the development and implementation of regional, customer-facing technologies that benefit the 100 busiest stops. Examples include design of the real-time "text4next" system, ticketing vending machines, and other regional elements that benefit the region, as well as the 100 busiest stops. OCTA would implement these passenger amenities working in cooperation with local agencies.

### **ELIGIBLE APPLICANTS**

Eligible applicants for the "city-initiated bus stop improvements" funding include the 15 local agencies in Orange County which have at least one of the top 100 busiest bus stops as defined above. Bus stops on private property would need to be submitted by the city on behalf of the property owner.

### **APPLICATION**

Required to Include:

- Proposed maintenance plan;
- Photos of the proposed project site in the weekday AM peak and PM peak period;
- Project design or concept drawings;
- Shelter size and covered passenger waiting area footage; and
- Needs assessment.

## EVALUATION CRITERIA

If sufficient funds are not available during a funding cycle to fund all the projects that are submitted, projects will be prioritized for funding based on a combination of boarding ranking and the needs of each stop.

## AVAILABLE FUNDING

Five and a half million on a pay-as-you-go basis is available for Project W between fiscal year (FY) 2012-13 through FY 2019/20. Funding for the city-initiated bus stop improvements will be offered biennially. The amount available through FY 2020, as well as the amount available for each round of funding, is shown below.

Project W Estimated Funding by FY (in thousands)									
FY	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20	Total
Total Revenue	\$580	\$610	\$650	\$690	\$720	\$750	\$780	\$810	\$5,590
City-Initiated 80%	\$460	\$490	\$520	\$550	\$580	\$600	\$620	\$650	\$4,470
OCTA-Initiated 20%	\$120	\$120	\$130	\$140	\$140	\$150	\$160	\$160	\$1,120

The first round of funding for Project W funds will target \$950,000 for city-initiated improvements, and \$240,000 for OCTA-initiated improvements. These figures are comprised of the amounts available from FYs 2012-13 and 2013-14.

Project W Funding Available Biennially for City Project Applications and Stops Improved (in thousands)					Total
FYs	12/13 and 13/14	14/15 and 15/16	16/17 and 17/18	18/19 and 19/20	
City Available Funds Biennially	\$950	\$1,070	\$1,180	\$1,270	\$4,470
Bus Stops Improved	30+	35+	35+	TBD	

## ELIGIBLE COSTS

Project W will pay for up to \$20,000 for "normal load stops" and up to \$30,000 for "high load stops.\* A high load stop is where the 90th percentile of boarding events have ten or more passengers waiting. The following expenses are eligible for reimbursement under the program:

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\*The average cost of a single width shelter and bench is approximately \$15,000 and the average cost of a double width shelter and bench is \$25,000.

### Eligible

- Passenger Waiting Amenities
  - Bus shelters or shade structures (required);
  - Seating/leaning fixtures (required);
  - Waste receptacles (required);
  - Ad displays; and
  - Bus stop lighting.
- Other Amenities
  - Transit/pedestrian information display;
  - Security cameras (monitored by local police department);
  - Bicycle lockers or racks;
  - Mature street trees;
  - Minor improvements to sidewalks necessary to accommodate shelters; and,
  - Installation of electric service on bus shelters for future OCTA uses.

### Not Eligible

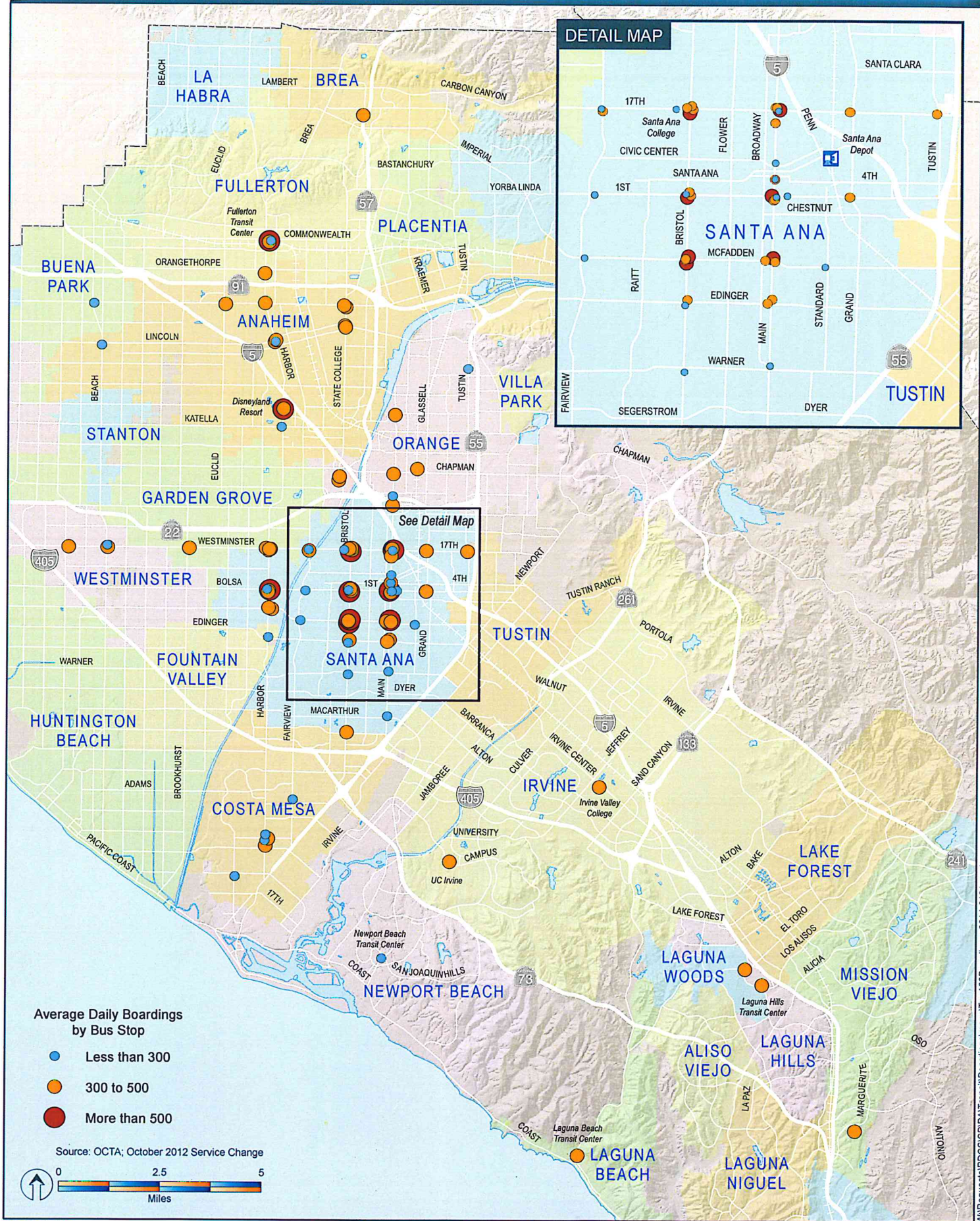
- Right-of-way acquisition;
- Planning and design;
- Maintenance; and
- Electricity.

### Other OCTA-Funded Items

- Installation of Bus stop signage;
- Real-time information display improvements will be provided in future; and
- Ticket vending machines can be installed as funding becomes available in future.



# Orange County 100 Busiest OCTA Bus Stops







**ORANGE COUNTY TRANSPORTATION AUTHORITY**

## **Measure M2 Project W Safe Transit Stops**

### **Attachment C**

**List of 100 Busiest Orange County Transportation Authority  
Transit Stops in Orange County**

Rank	On Street	At Street	City	Average Daily Boardings
1	BRISTOL STREET	17TH STREET	Santa Ana	632
2	17TH STREET	MAIN STREET	Santa Ana	625
3	BRISTOL STREET	MCFADDEN AVENUE	Santa Ana	558
4	TRANSPORTATION CENTER ROADWAY	SANTA FE AVENUE	Fullerton	546
5	MAIN STREET	MCFADDEN AVENUE	Santa Ana	544
6	BRISTOL STREET	1ST STREET	Santa Ana	541
7	BRISTOL STREET	MCFADDEN AVENUE	Santa Ana	533
8	1ST STREET	MAIN STREET	Santa Ana	529
9	1ST STREET	HARBOR BOULEVARD	Santa Ana	514
10	HARBOR BOULEVARD	EAST SHUTTLE AREA	Anaheim	501
11	MAIN STREET	17TH STREET	Santa Ana	499
12	MAIN STREET	1ST STREET	Santa Ana	497
13	MCFADDEN AVENUE	BRISTOL STREET	Santa Ana	490
14	RING ROADWAY	BREA MALL NORTH	Brea	487
15	17TH STREET	BRISTOL STREET	Santa Ana	469
16	INTERIOR RDWY	OCEAN AVENUE	Laguna Beach	468
17	LINCOLN AVENUE	STATE COLLEGE BOULEVARD	Anaheim	452
18	BRISTOL STREET	SUNFLOWER AVENUE	Santa Ana	448
19	CAMPUS DRIVE	UNIVERSITY CENTER	Irvine	447
20	MCFADDEN AVENUE	HARBOR BOULEVARD	Santa Ana	442
21	WESTMINSTER AVENUE	HARBOR BOULEVARD	Santa Ana	437
22	COLLEGE DRIVE	COLLEGE DRIVE WEST	Mission Viejo	436
23	MCFADDEN AVENUE	BRISTOL STREET	Santa Ana	436
24	THE CITY DRIVE	CITY WAY	Orange	436
25	BRISTOL STREET	17TH STREET	Santa Ana	420
26	HARBOR BOULEVARD	LA PALMA AVENUE	Anaheim	409
27	HARBOR BOULEVARD	1ST STREET	Santa Ana	409
28	HARBOR BOULEVARD	MCFADDEN AVENUE	Santa Ana	393
29	STATE COLLEGE BOULEVARD	LA PALMA AVENUE	Anaheim	386
30	THE CITY DRIVE	DAWN WAY	Orange	386
31	1ST STREET	BRISTOL STREET	Santa Ana	384
32	LAGUNA HILLS TRANSPORTATION CENTER ROADWAY	DOCK 5	Laguna Hills	383
33	HARBOR BOULEVARD	WESTMINSTER AVENUE	Santa Ana	380
34	17TH STREET	GRAND AVENUE	Santa Ana	376
35	WESTMINSTER AVENUE	HARBOR BOULEVARD	Garden Grove	374
36	EL TORO ROAD	PASEO DE VALENCIA	Laguna Hills	372
37	TRANSPORTATION CENTER ROADWAY	SANTA FE AVENUE	Fullerton	368
38	MCFADDEN AVENUE	SYCAMORE STREET	Santa Ana	367
39	FAIRVIEW STREET	WESTMINSTER AVENUE	Santa Ana	363
40	HARBOR BOULEVARD	1ST STREET	Santa Ana	360
41	HARBOR BOULEVARD	WESTMINSTER AVENUE	Santa Ana	360
42	MAIN STREET	1ST STREET	Santa Ana	358



**List of 100 Busiest Orange County Transportation Authority  
Transit Stops in Orange County**

Rank	On Street	At Street	City	Average Daily Boardings
44	MAIN STREET	CHAPMAN AVENUE	Orange	353
45	BRISTOL STREET	1ST STREET	Santa Ana	353
46	HARBOR BOULEVARD	VICTORIA STREET	Costa Mesa	348
47	WESTMINSTER BOULEVARD	BEACH BOULEVARD	Westminster	348
48	MAIN STREET	17TH STREET	Santa Ana	345
49	COLLEGE DRIVE	IRVINE CENTER DRIVE	Irvine	344
50	LA PALMA AVENUE	STATE COLLEGE BOULEVARD	Anaheim	342
51	17TH STREET	BRISTOL STREET	Santa Ana	340
52	MAIN STREET	EDINGER AVENUE	Santa Ana	340
53	HARBOR BOULEVARD	LINCOLN AVENUE	Anaheim	339
54	17TH STREET	TUSTIN AVENUE	Santa Ana	334
55	STATE COLLEGE BOULEVARD	LINCOLN AVENUE	Anaheim	327
56	MAIN STREET	5TH STREET	Santa Ana	324
57	MAIN STREET	MAIN PLACE DRIVE	Santa Ana	323
58	BRISTOL STREET	EDINGER AVENUE	Santa Ana	319
59	EDINGER AVENUE	MAIN STREET	Santa Ana	312
60	LA PALMA AVENUE	EUCLID STREET	Anaheim	310
61	ORANGE TRANSPORTATION CENTER ROADWAY	DOCK 1	Orange	309
62	WILSON STREET	HARBOR BOULEVARD	Costa Mesa	308
63	HARBOR BOULEVARD	EAST SHUTTLE AREA	Anaheim	307
64	MCFADDEN AVENUE	MAIN STREET	Santa Ana	306
65	WESTMINSTER BOULEVARD	GOLDEN WEST STREET	Westminster	305
66	HARBOR BOULEVARD	ORANGETHORPE AVENUE	Fullerton	304
67	LINCOLN AVENUE	HARBOR BOULEVARD	Anaheim	304
68	1ST STREET	GRAND AVENUE	Santa Ana	302
69	WESTMINSTER AVENUE	BROOKHURST STREET	Garden Grove	302
70	MAIN STREET	15TH STREET	Santa Ana	301
71	BRISTOL STREET	WARNER AVENUE	Santa Ana	298
72	MCFADDEN AVENUE	STANDARD AVENUE	Santa Ana	296
73	MCFADDEN AVENUE	FAIRVIEW STREET	Santa Ana	294
74	17TH STREET	MAIN STREET	Santa Ana	291
75	HARBOR BOULEVARD	WILSON STREET	Costa Mesa	284
76	17TH STREET	ENTRANCE TO SANTA ANA COLLEGE	Santa Ana	283
77	WESTMINSTER AVENUE	FAIRVIEW STREET	Santa Ana	283
78	TRANSPORTATION CENTER ROADWAY	POMONA AVENUE	Fullerton	280
79	1ST STREET	BRISTOL STREET	Santa Ana	280
80	MAIN STREET	LA VETA AVENUE	Orange	277
81	BRISTOL STREET	EDINGER AVENUE	Santa Ana	275
82	FAIRVIEW ROAD	ARLINGTON DRIVE	Costa Mesa	273
83	HARBOR BOULEVARD	WILSON STREET	Costa Mesa	271
84	BEACH BOULEVARD	WESTMINSTER BOULEVARD	Westminster	270
85	BEACH BOULEVARD	LINCOLN AVENUE	Anaheim	268

**List of 100 Busiest Orange County Transportation Authority  
Transit Stops in Orange County**

Rank	On Street	At Street	City	Average Daily Boardings
86	LA PALMA AVENUE	BEACH BOULEVARD	Buena Park	267
87	1ST STREET	DOWNTOWN PLAZA	Santa Ana	263
88	1ST STREET	FAIRVIEW STREET	Santa Ana	262
89	MAIN STREET	4TH STREET	Santa Ana	261
90	TUSTIN STREET	EAST VILLAGE WAY	Orange	259
91	MAIN STREET	WARNER AVENUE	Santa Ana	257
92	HARBOR BOULEVARD	LINCOLN AVENUE	Anaheim	257
93	MAIN STREET	MACARTHUR BOULEVARD	Santa Ana	253
94	1ST STREET	HARBOR BOULEVARD	Santa Ana	253
95	PLACENTIA AVENUE	19TH STREET	Costa Mesa	253
96	MAIN STREET	CIVIC CENTER DRIVE	Santa Ana	252
97	KATELLA AVENUE	HARBOR BOULEVARD	Anaheim	252
98	HARBOR BOULEVARD	EDINGER AVENUE	Fountain Valley	249
99	1ST STREET	MAIN STREET	Santa Ana	249
100	INTERIOR ROADWAY	DOCK 6	Newport Beach	248

Summary of Transit Stops	
Santa Ana	56
Anaheim	13
Fullerton	4
Brea	1
Laguna Beach	1
Irvine	1
Mission Viejo	1
Orange	7
Laguna Hills	2
Costa Mesa	6
Westminster	3
Garden Grove	2
Buena Park	1
Fountain Valley	1
Newport Beach	1
Total	100