

Monterey- Salinas Transit

DESIGNING FOR TRANSIT GUIDELINES

TAMC TAC Meeting

May 2, 2024

MST

MONTEREY-SALINAS TRANSIT



Complete Streets



Monterey-Salinas Transit

Designing for Transit

A Guide for Supporting Public Transit
Through Complete Streets

2020 Edition

Typical Bus Specifications

TYPICAL BUS SPECIFICATIONS

Table T 2: Typical Bus Dimensions, Weights, and Capacities

	30' Coach	35' Coach	40' Coach (Low Floor)	45' Commuter Coach	60' Articulated
OVERALL LENGTH (with bicycle rack)	32'8"	36'6"	41'8"	46'6"	62'
WIDTH (with mirrors)	10'7"	10'7"	10'7"	10'7"	10'6"
OVERALL HEIGHT (with radio antenna)	10'5"	10'5"	10'5"	11'5"	11'9"
WHEELBASE LENGTH	14'2"	18'4"	23'8"	26'6"	19'11"+23'3"
FRONT OVERHANG	4'9"	6'1"	5'9"	6'4"	7'4"
REAR OVERHANG	7'5"	7'0"	7'8"	8'9"	10'3"
FRONT BUMPER (Distance to ground)	1'6"	11"	1'1"		14¼"
REAR BUMPER (Distance to ground)	1'4"	1'6"	1'6"		19½"
FIRST STEP (Distance to ground)	1'3"	1'3"	1'3"		1'3"
UNDERBODY (Distance to ground)	1' ½ "	1' ½ "	1' ½ "		10¼"
CENTERLINE (Front door to rear door)	13'5"	17'3"	20'1"		39'
GROSS VEHICLE WEIGHT (lbs)	34,850	39,400	39,600	50,000	69,320
Front Axle Capacity	11,680	14,400	14,600	16,000	15,660
Rear Axle Capacity	23,170	25,000	25,000	22,500	28,660
Seating Capacity	32	35	36	57	60 max
Wheelchair Securement Positions	2	2	2	2	2

Minimum Travel Lane Width for Safe Operations

- MST buses are 10' 7" in width (including mirrors)
- To safely operate, our coaches require 11' travel lanes, at minimum
- MST service may be adversely affected on streets that do not meet this minimum



Bus Turning Movements

Table T 3: Bus Turning Movement Dimensions

Turning Radius	48' minimum outside radius (with overhang), 50' desirable 27' minimum inside radius, 30' desirable
Approach Angle	9 degrees
Departure Angle	9 degrees
Turning Radius (Outside)	44'

<https://mst.org/wp-content/media/DesigningForTransit-2020-Edition.pdf>

FOR MORE INFORMATION

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