

Appendix B

Station and Airport Area Trip Generation

**California High Speed Train
Sacramento to Bakersfield
Trip Generation Estimates**

Station Name	Average Daily	Average Daily	AM Peak Boarding	AM Peak Hour	AM Peak Alighting	AM Peak Hour	Mode Split - Train						
	Boardings	Alightings	Factor	Boardings	Factor	Alightings	Air	Rail	Bus/ Shuttle	Taxi	Auto		Ped
											Self	Dp-off	
Sacramento - Downtown	14,752	14,752	10.00%	1,475	10.00%	1,475	0%	10%	20%	15%	15%	30%	10%
Sacramento - Power Inn	14,752	14,752	10.00%	1,475	10.00%	1,475	0%	0%	30%	15%	25%	30%	0%
Stockton - Downtown	1,880	1,880	10.00%	188	10.00%	188	0%	5%	15%	10%	35%	30%	5%
[Stockton - Suburban Manteca]	1,880	1,880	10.00%	188	10.00%	188	0%	0%	15%	5%	60%	20%	0%
Modesto - Downtown	1,685	1,685	10.00%	169	10.00%	169	0%	5%	15%	10%	35%	30%	5%
Modesto - East Briggsmore	1,685	1,685	10.00%	169	10.00%	169	0%	0%	20%	10%	40%	30%	0%
Merced - Downtown	514	514	10.00%	51	10.00%	51	0%	5%	15%	10%	35%	30%	5%
Merced - Suburban	514	514	10.00%	51	10.00%	51	0%	0%	15%	5%	50%	30%	0%
Fresno - Downtown	3,546	3,546	10.00%	355	10.00%	355	0%	5%	15%	10%	35%	30%	5%
[Fresno - Suburban]	3,546	3,546	10.00%	355	10.00%	355	0%	0%	20%	10%	40%	30%	0%
Tulare/Kings-Visalia or Hanford	158	158	10.00%	16	10.00%	16	0%	0%	10%	5%	50%	30%	5%
Bakersfield - Downtown	2,674	2,674	14.00%	374	14.00%	374	0%	5%	15%	10%	35%	30%	5%
Bakersfield - Suburban Fruitvale	2,674	2,674	14.00%	374	14.00%	374	0%	0%	20%	10%	40%	30%	0%

Assumptions: All inbound Buses, Shuttles, and Taxis drop off a boarding passenger and pick-up an alighting passenger.
High Speed Train Passenger Occupancy of Bus/Shuttle is 14, Taxi is 2.5, Drop-off is 1.9, Self Drive is 1.9.
Bakersfield Boarding Factor based on higher percentage of total trips occurring in the AM peak hour.

**California High Speed Train
Sacramento to Bakersfield
Trip Generation Estimates**

Station Name	Mode Split - Air							Daily Passenger Trips (Boarding Only) - By Mode - Train						
	Air	Rail	Bus/ Shuttle	Taxi	Auto		Ped	Air	Rail	Bus/ Shuttle	Taxi	Auto		Ped
					Self	Dp-off						Self	Dp-off	
Sacramento - Downtown	0%	10%	20%	15%	25%	30%	0%	-	1,475	2,950	2,213	2,213	4,425	1,475
Sacramento - Power Inn								-	-	4,425	2,213	3,688	4,425	-
Stockton - Downtown								-	94	282	188	658	564	94
[Stockton - Suburban Manteca]								-	-	282	94	1,128	376	-
Modesto - Downtown								-	84	253	169	590	506	84
Modesto - East Briggsmore	0%	0%	20%	10%	40%	30%	0%	-	-	337	169	674	506	-
Merced - Downtown								-	26	77	51	180	154	26
Merced - Suburban	0%	0%	15%	5%	50%	30%	0%	-	-	77	26	257	154	-
Fresno - Downtown								-	177	532	355	1,241	1,064	177
[Fresno - Suburban]	0%	0%	20%	10%	40%	30%	0%	-	-	709	355	1,418	1,064	-
Tulare/Kings-Visalia or Hanford	0%	0%	10%	5%	55%	30%	0%	-	-	16	8	79	47	8
Bakersfield - Downtown								-	134	401	267	936	802	134
Bakersfield - Suburban Fruitvale	0%	0%	20%	10%	40%	30%	0%	-	-	535	267	1,069	802	-

**California High Speed Train
Sacramento to Bakersfield
Trip Generation Estimates**

Station Name	AM Peak Hour Vehicular Trips - To High Speed Train Station										
	Inbound					Outbound					Total
	Bus/ Shuttle	Taxi	Self	Dp-off	Total	Bus/ Shuttle	Taxi	Self	Dp-off	Total	
Sacramento - Downtown	21	89	116	466	692	21	89	116	466	692	1,384
Sacramento - Power Inn	32	89	194	466	780	32	89	194	466	780	1,560
Stockton - Downtown	2	8	35	59	104	2	8	35	59	104	208
[Stockton - Suburban Manteca]	2	4	59	40	105	2	4	59	40	105	210
Modesto - Downtown	2	7	31	53	93	2	7	31	53	93	186
Modesto - East Briggsmore	2	7	35	53	98	2	7	35	53	98	196
Merced - Downtown	1	2	9	16	28	1	2	9	16	28	56
Merced - Suburban	1	1	14	16	31	1	1	14	16	31	62
Fresno - Downtown	4	14	65	112	195	4	14	65	112	195	390
[Fresno - Suburban]	5	14	75	112	206	5	14	75	112	206	412
Tulare/Kings-Visalia or Hanford	0	0	4	5	9	0	0	4	5	9	18
Bakersfield - Downtown	4	15	69	118	206	4	15	69	118	206	412
Bakersfield - Suburban Fruitvale	5	15	79	118	217	5	15	79	118	217	434

**California High Speed Train
Sacramento to Bakersfield
Trip Generation Estimates**

Station Name	AM Peak Hour Vehicular Trips - At Airports with Induced Growth From HST										
	Inbound					Outbound					Total
	Bus/ Shuttle	Taxi	Self	Dp-off	Total	Bus/ Shuttle	Taxi	Self	Dp-off	Total	
Sacramento - Downtown	1	3	7	18	29	1	3	7	18	29	58
Sacramento - Power Inn											
Stockton - Downtown											
[Stockton - Suburban Manteca]											
Modesto - Downtown											
Modesto - East Briggsmore	0	0	1	2	3	0	0	1	2	3	6
Merced - Downtown											
Merced - Suburban	0	0	1	1	2	0	0	1	1	2	4
Fresno - Downtown											
[Fresno - Suburban]	0	1	3	4	8	0	1	3	4	8	16
Tulare/Kings-Visalia or Hanford	0	0	0	1	1	0	0	0	1	1	2
Bakersfield - Downtown											
Bakersfield - Suburban Fruitvale	0	1	3	4	8	0	1	3	4	8	16

**California High Speed Train
Sacramento to Bakersfield
Trip Generation Estimates**

Station Name	AM Peak Hour Vehicular Trips - At Airports With HST										
	Inbound					Outbound					Total
	Bus/ Shuttle	Taxi	Self	Dp-off	Total	Bus/ Shuttle	Taxi	Self	Dp-off	Total	
Sacramento - Downtown	(12)	(52)	(115)	(275)	(454)	(12)	(52)	(115)	(275)	(454)	(908)
Sacramento - Power Inn											
Stockton - Downtown											
[Stockton - Suburban Manteca]											
Modesto - Downtown											
Modesto - East Briggsmore	(1)	(4)	(21)	(31)	(57)	(1)	(4)	(21)	(31)	(57)	(114)
Merced - Downtown											
Merced - Suburban	(0)	(1)	(8)	(10)	(19)	(0)	(1)	(8)	(10)	(19)	(38)
Fresno - Downtown											
[Fresno - Suburban]	(3)	(8)	(44)	(66)	(121)	(3)	(8)	(44)	(66)	(121)	(242)
Tulare/Kings-Visalia or Hanford	(0)	(0)	(3)	(3)	(6)	(0)	(0)	(3)	(3)	(6)	(12)
Bakersfield - Downtown											
Bakersfield - Suburban Fruitvale	(3)	(9)	(46)	(70)	(128)	(3)	(9)	(46)	(70)	(128)	(256)