



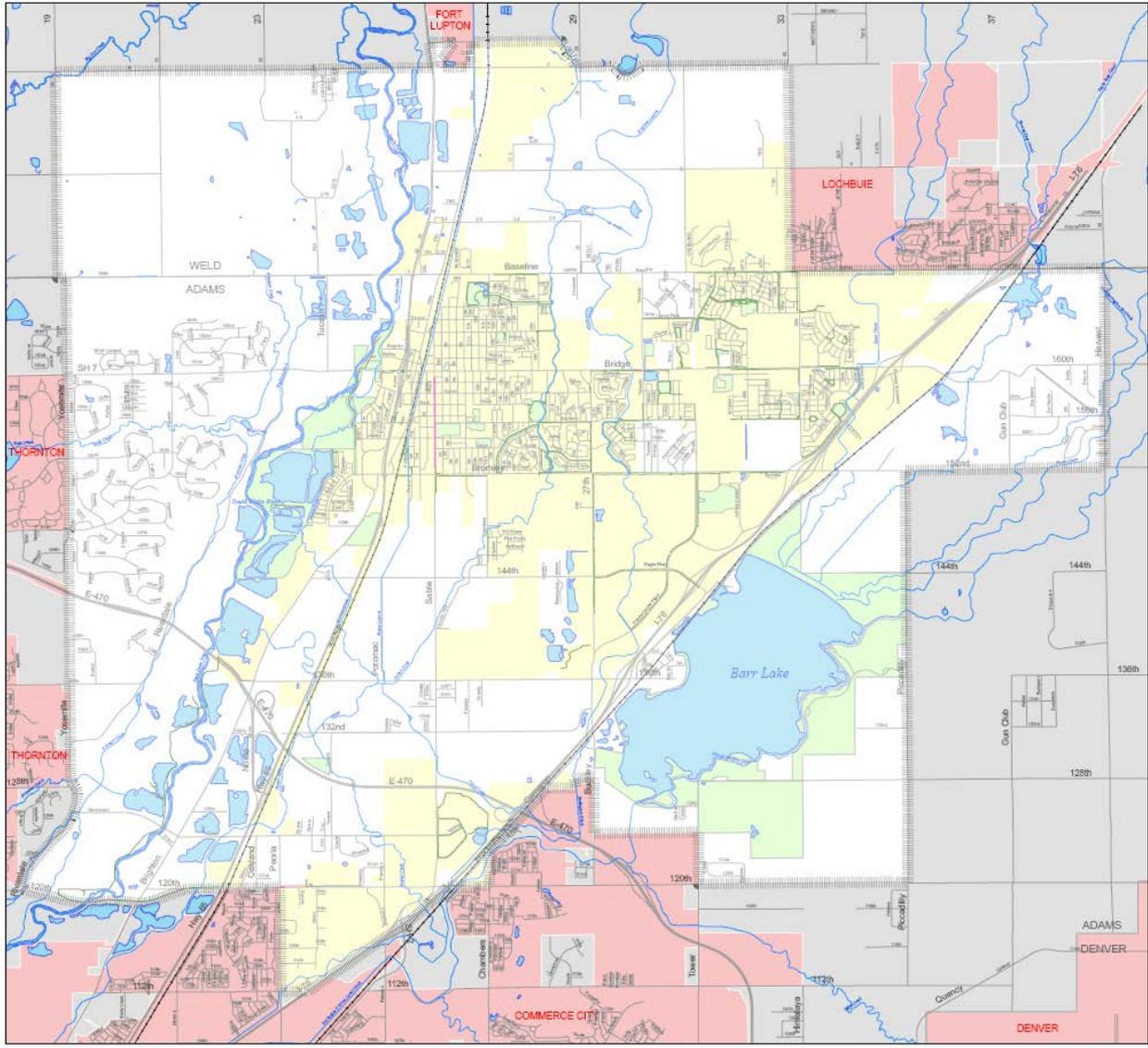
Appendix C

**TRANSPORTATION
DATA BOOK**

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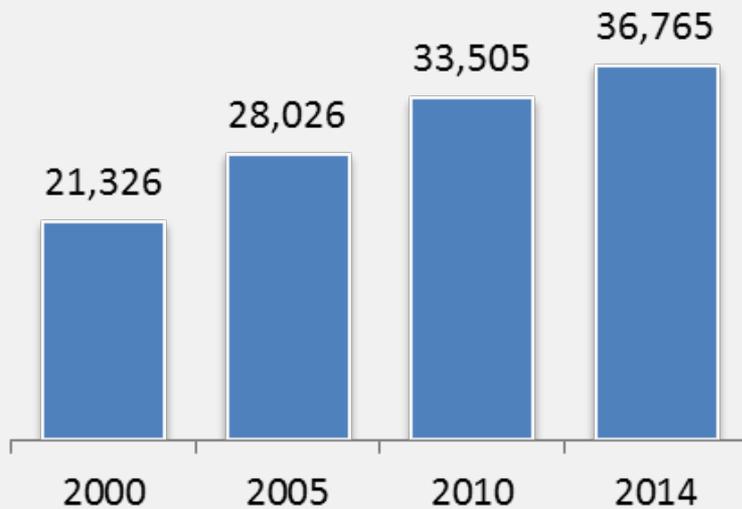
BRIGHTON PLANNING AREA



POPULATION AND DEMOGRAPHICS

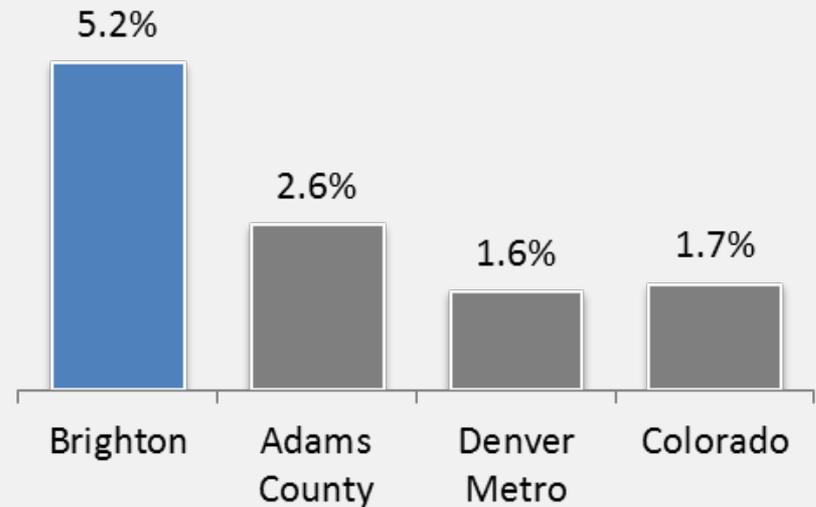
population trends

Brighton Population Trend



source: U.S. Census Bureau

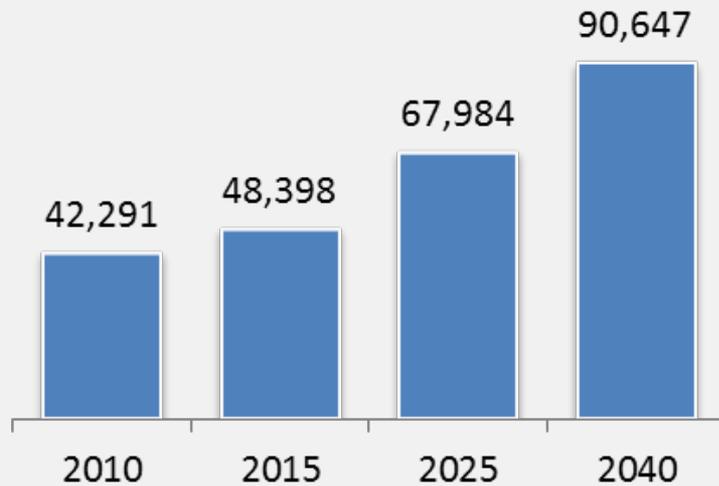
2000-2014 Annual Growth Rate (average non-compound)



source: Colorado State Demography Office

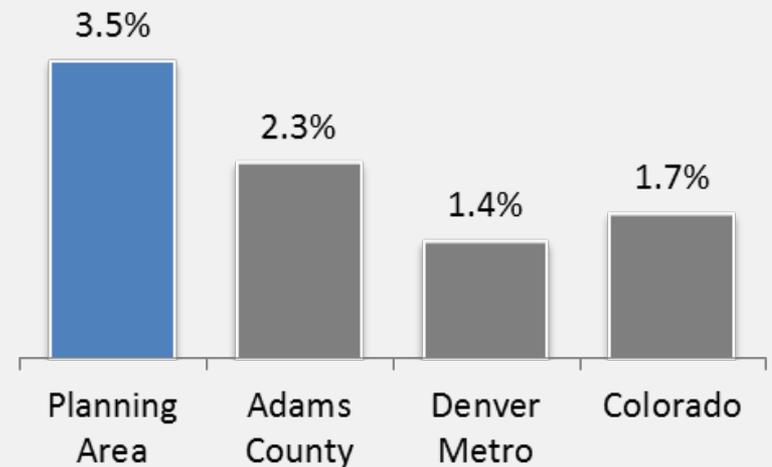
population forecasts

Brighton Planning Area



source: DRCOG Focus Model (2014 cycle)

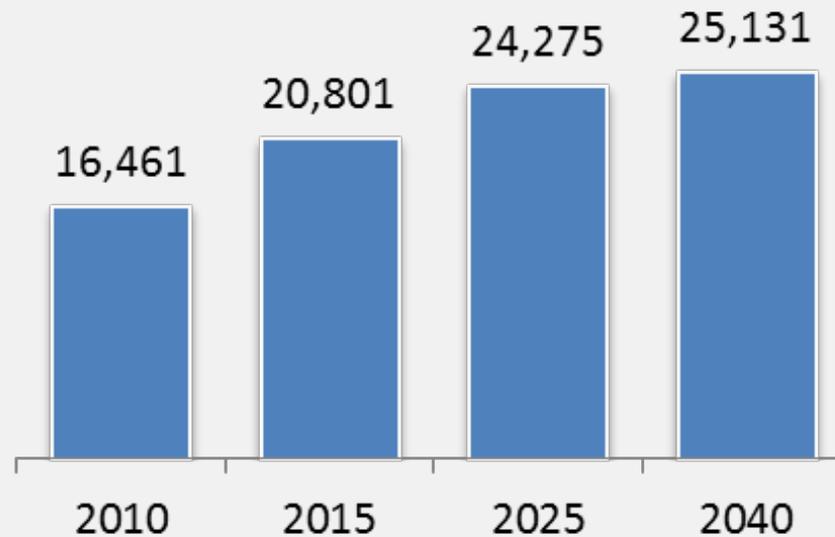
2015-2035
Forecast Annual Growth Rate
(average non-compound)



source: Colorado State Demography Office, DRCOG

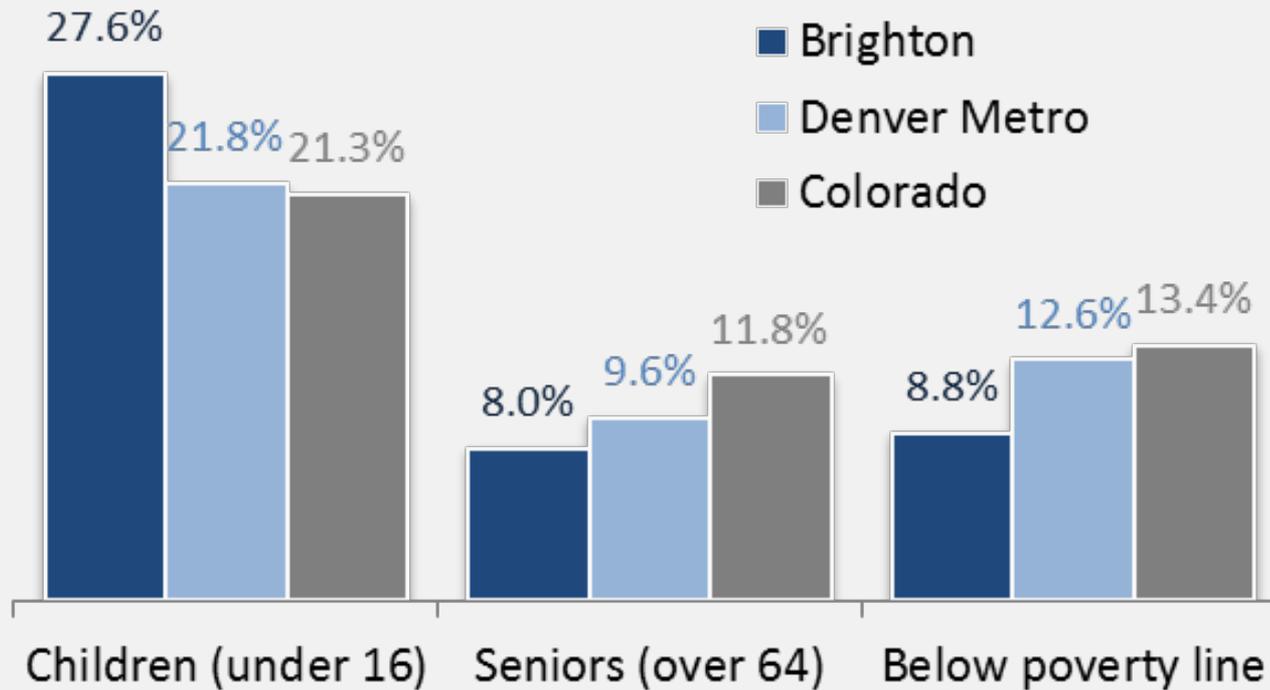
employment forecast

Brighton Planning Area
Employment Forecast



source: DRCOG Focus Model (2014 cycle)

selected demographics

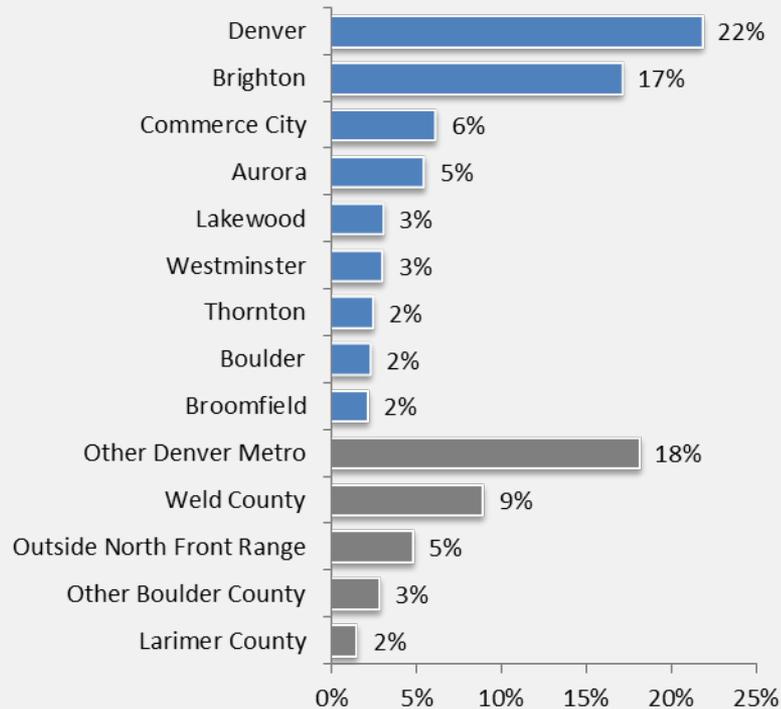


source: 2011-2013 ACS

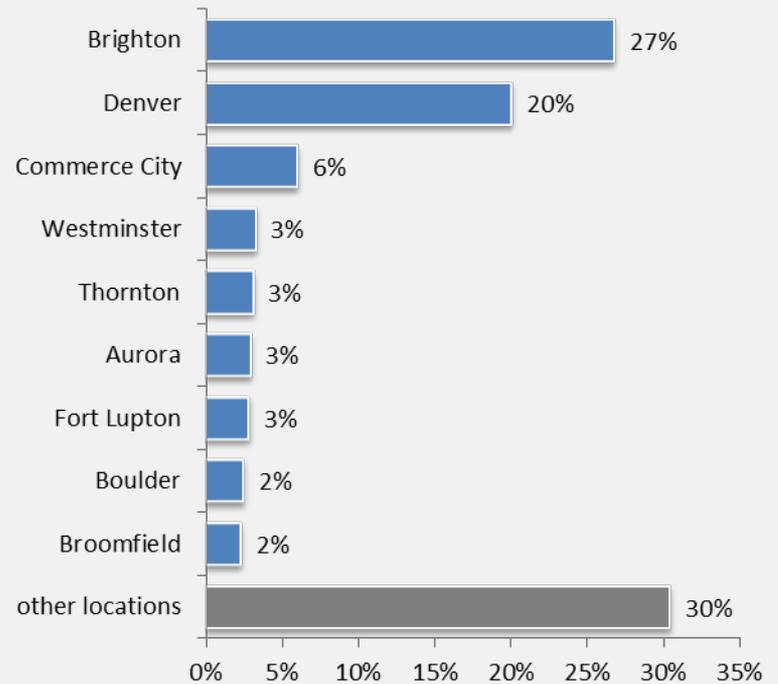
COMMUTING

where Brighton residents work

source: LODES, 2012

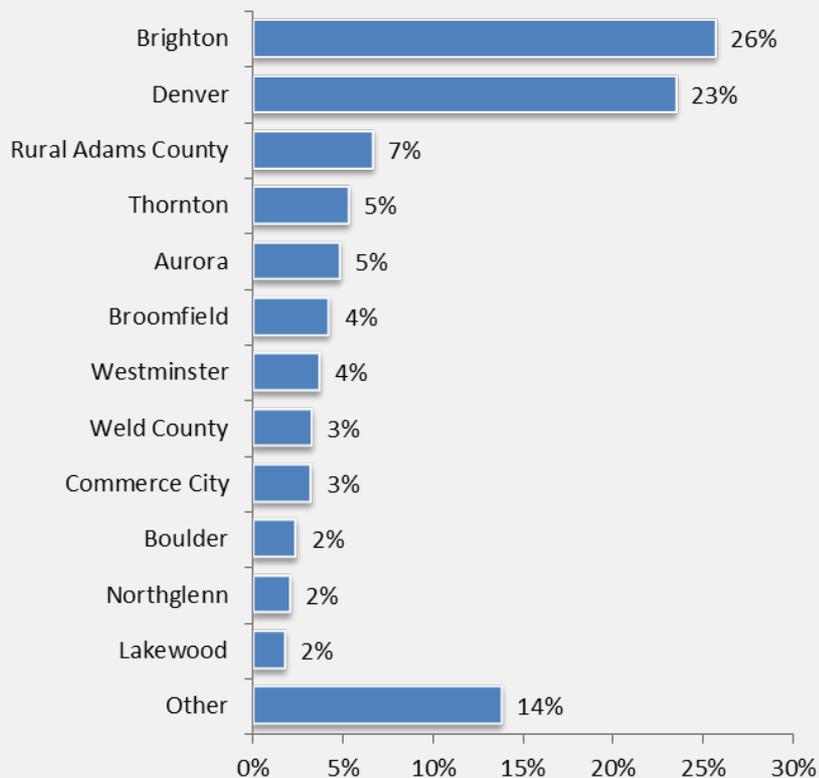


source: CTPP, 2006-2010 average

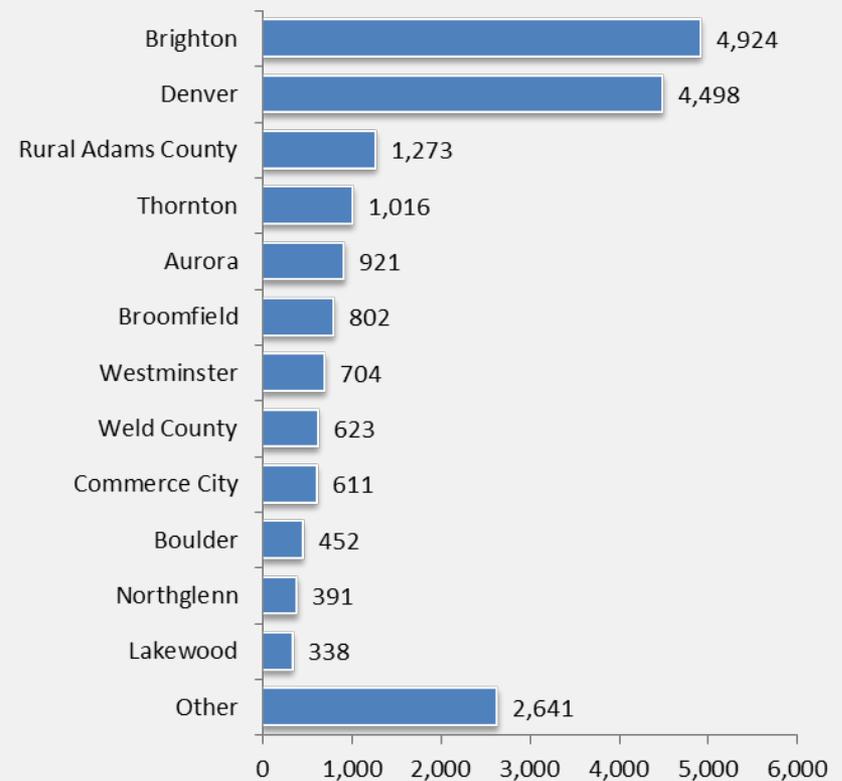


where Brighton residents work

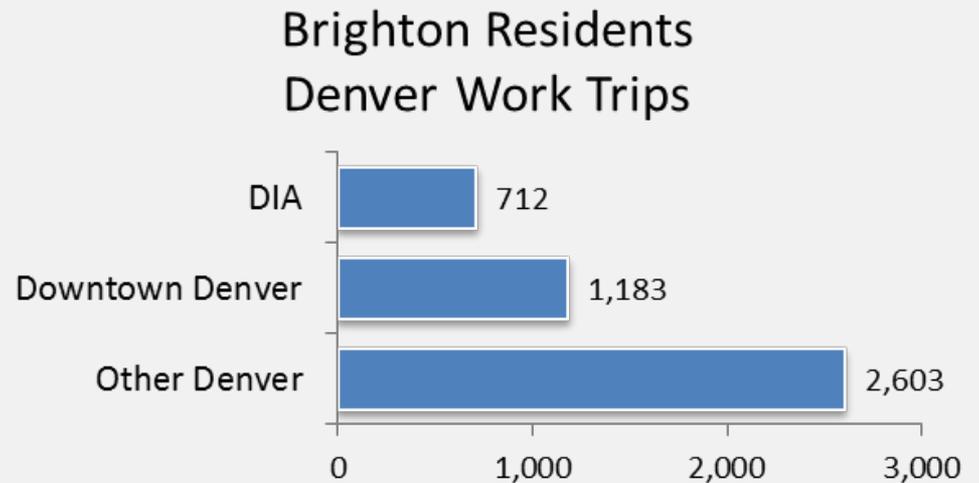
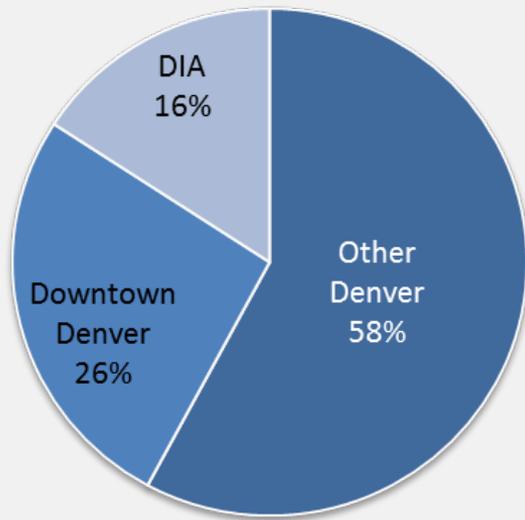
source: DRCOG



source: DRCOG (daily work trips)



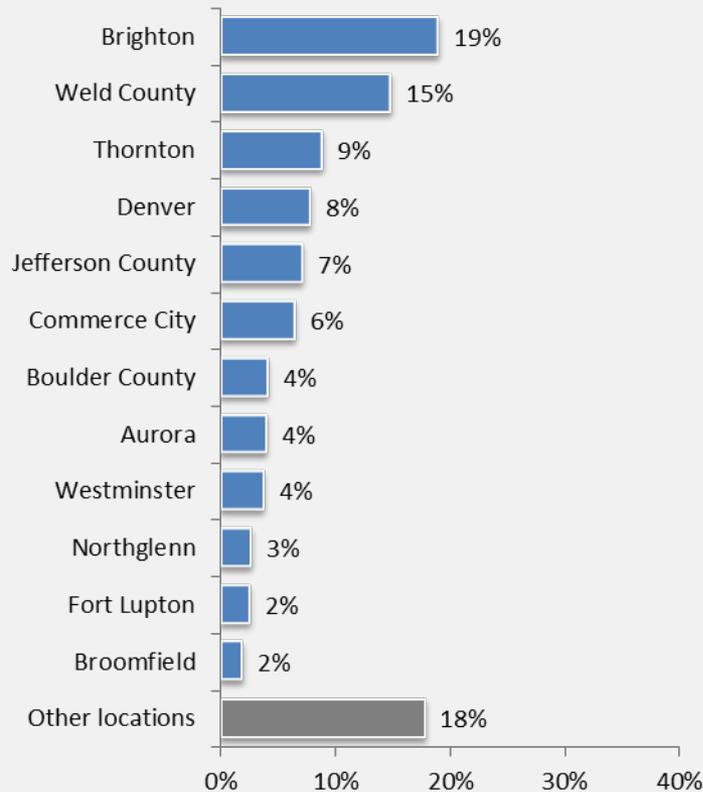
where Brighton residents work in Denver



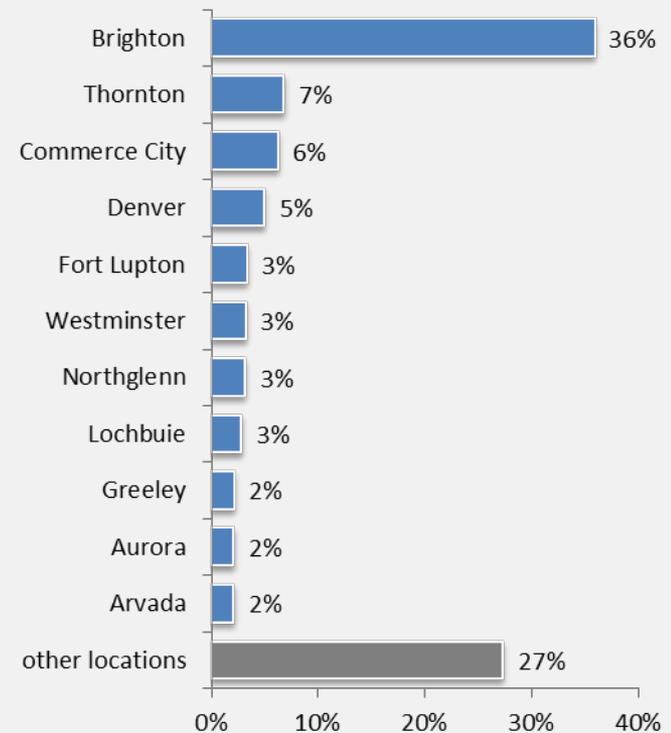
source: DRCOG

where Brighton's workforce lives

source: LODES, 2012

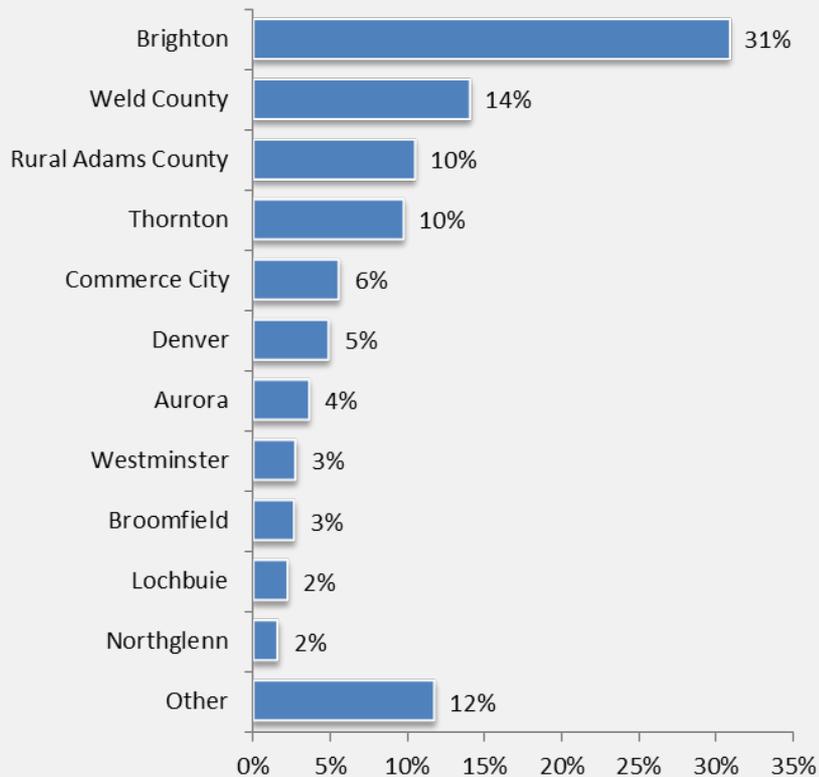


source: CTPP, 2006-2010 average

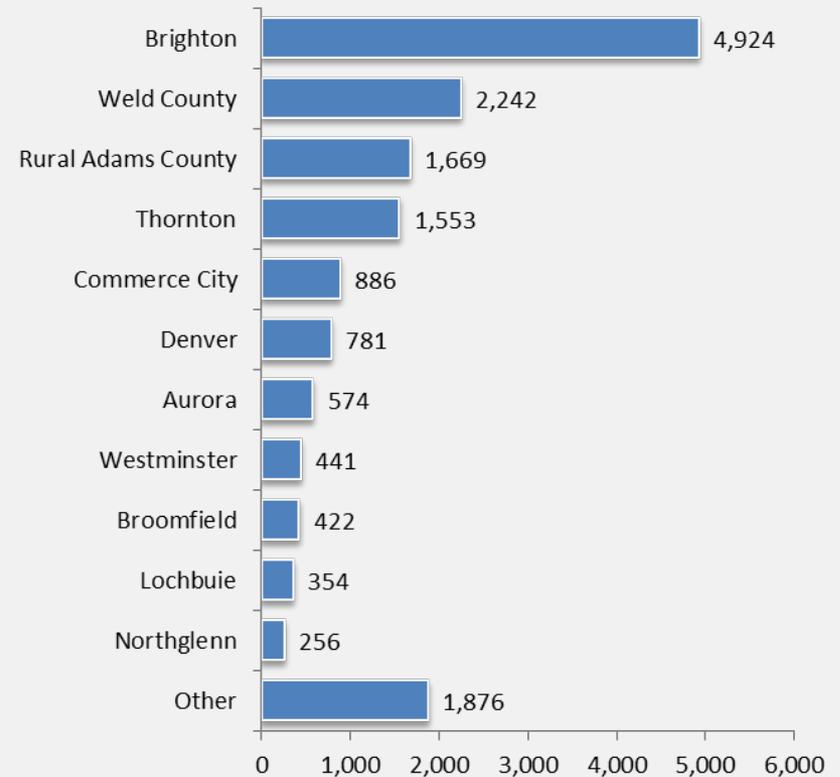


where Brighton workers live

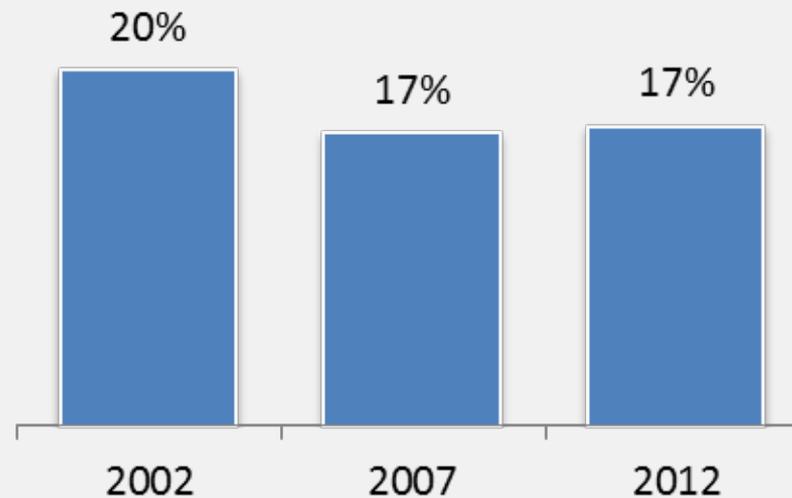
source: DRCOG



source: DRCOG (daily work trips)



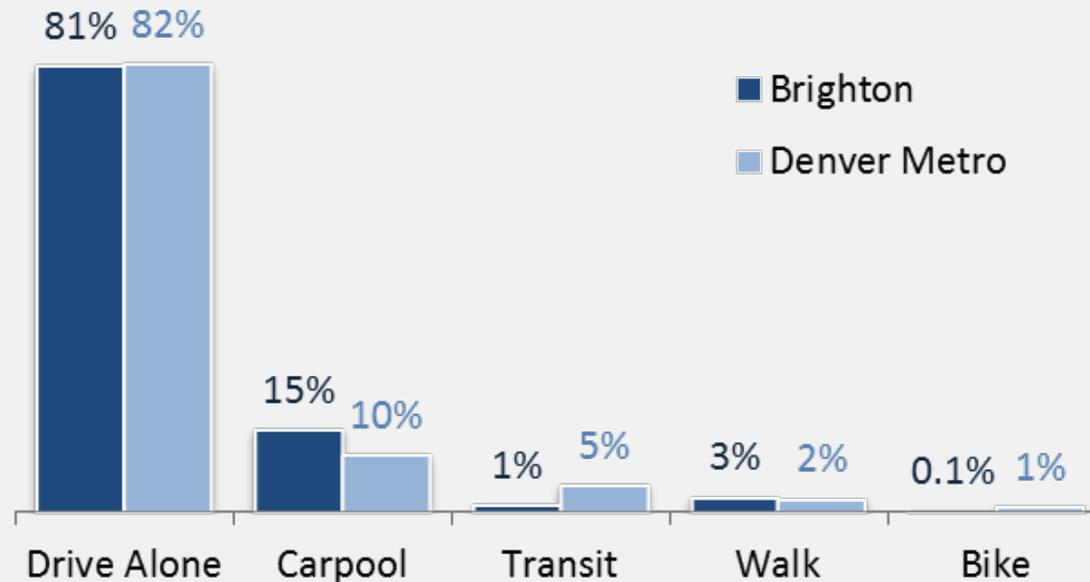
live and work in Brighton



source: LODES

commute mode share

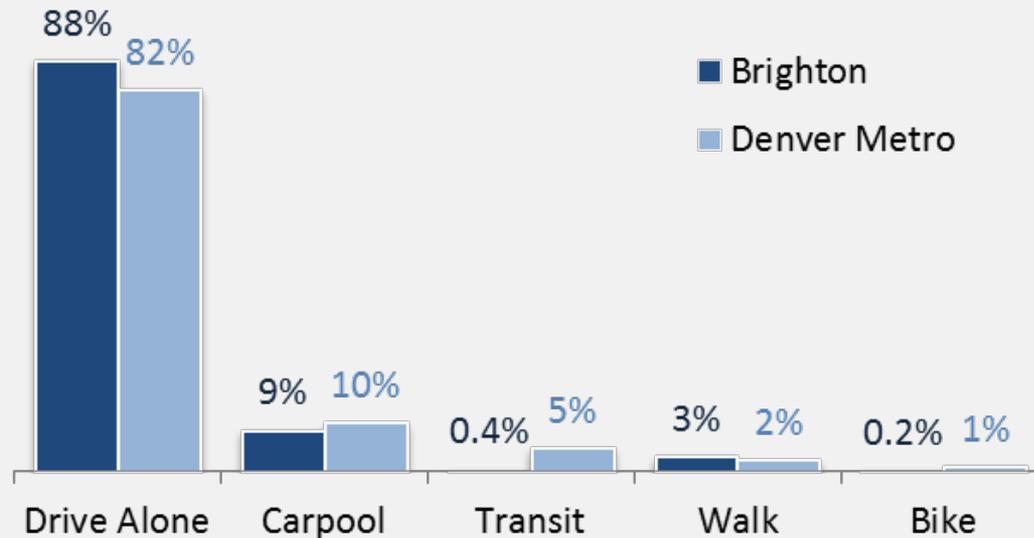
Resident
Commute Mode Share



*excludes those who work from home (4% in Brighton, 6% in Denver Metro) or commute by other means (1%)

commute mode share

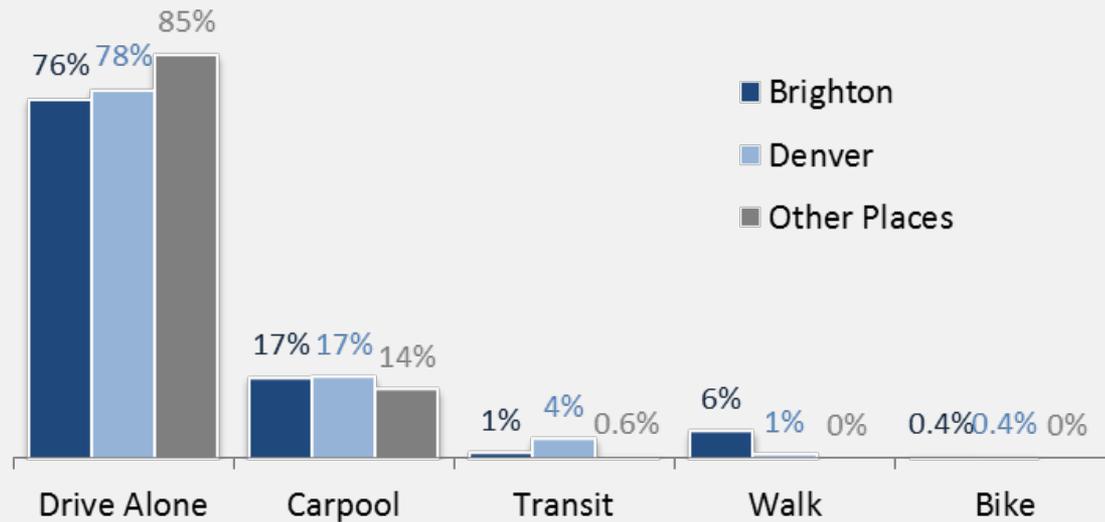
Workforce
Commute Mode Share



*excludes those who work from home (5% in Brighton, 6% in Denver Metro) or commute by other means (1%)

commute mode share

Brighton Resident
Commute Mode Share by Workplace

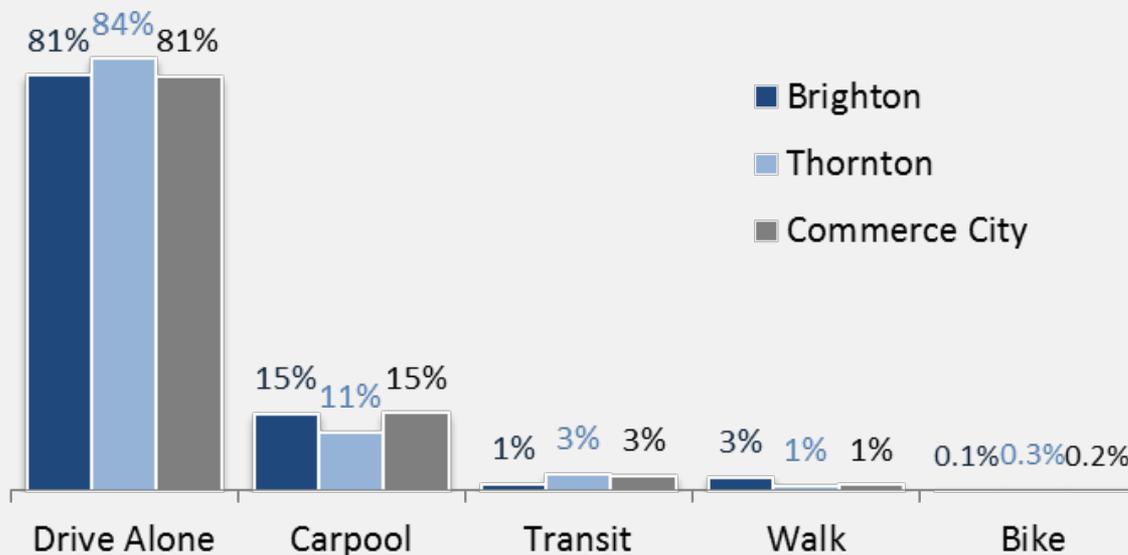


*excludes those who work from home (4%) or commute by other means (1%)

Source: 2006-2010 ACS

peer city commute mode share

Adams County

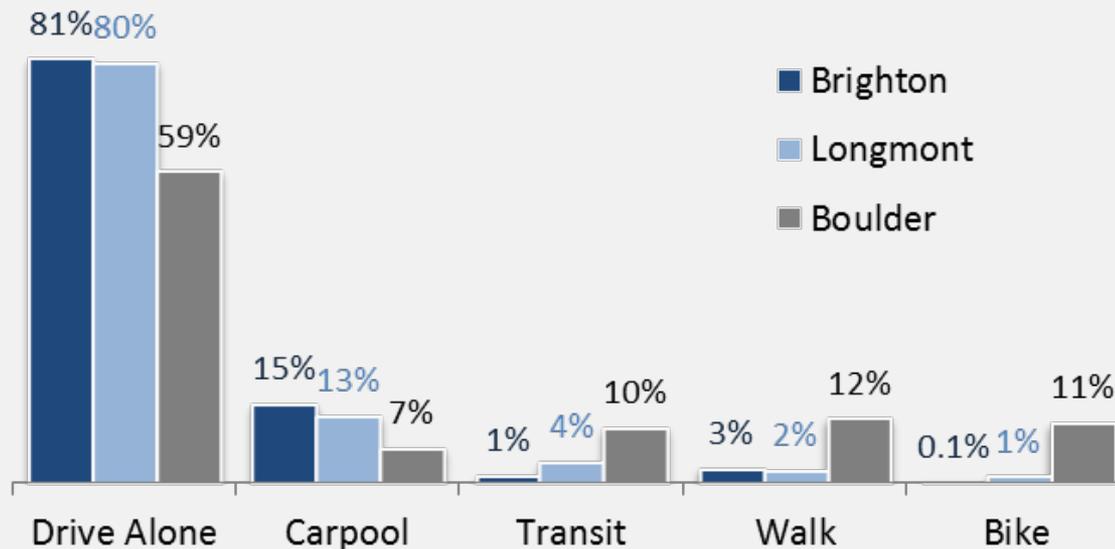


*excludes those who work from home or commute by other means

Source: 2009-2013 ACS

peer city commute mode share

Boulder County

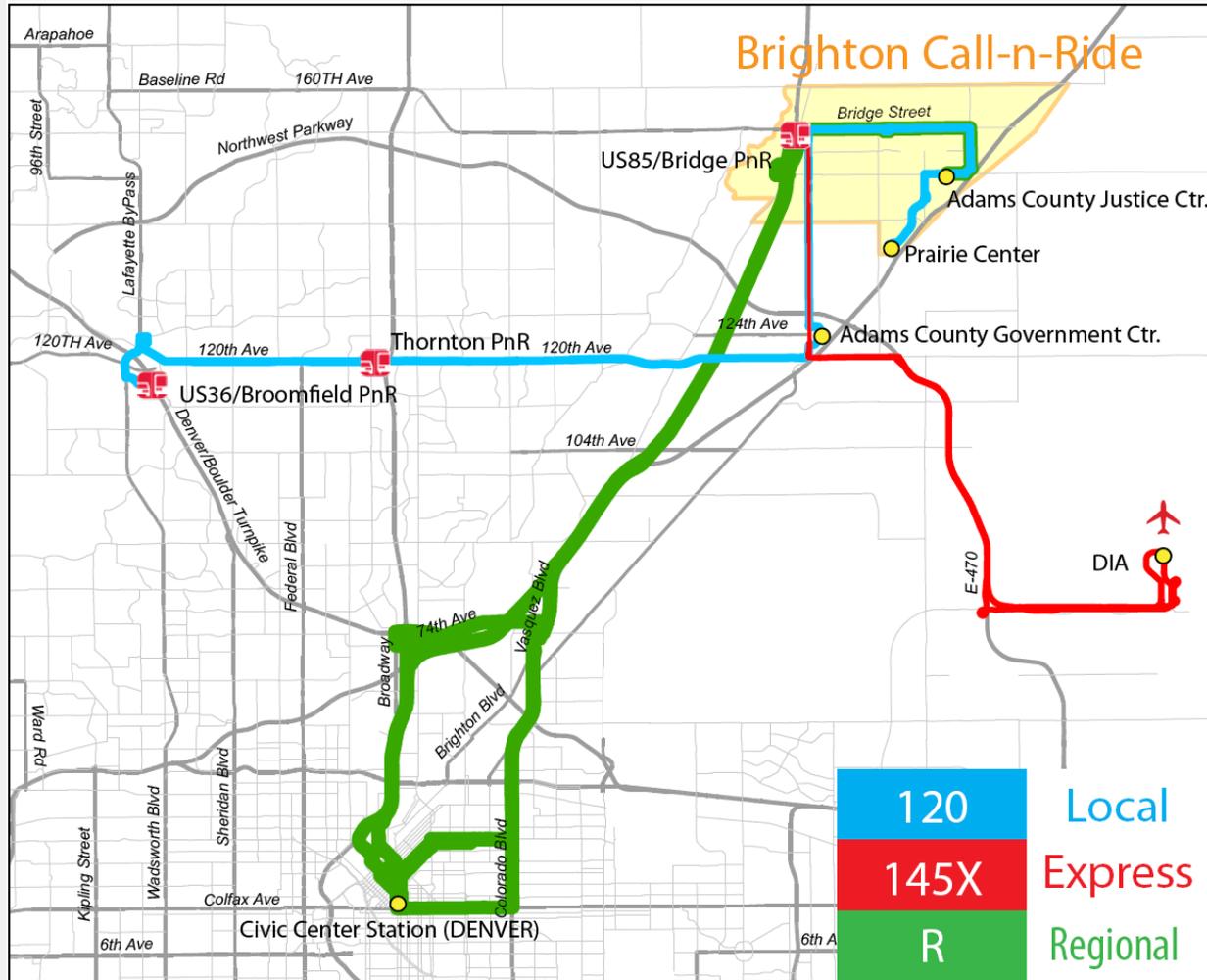


*excludes those who work from home or commute by other means

Source: 2009-2013 ACS

TRANSIT DATA

existing transit service



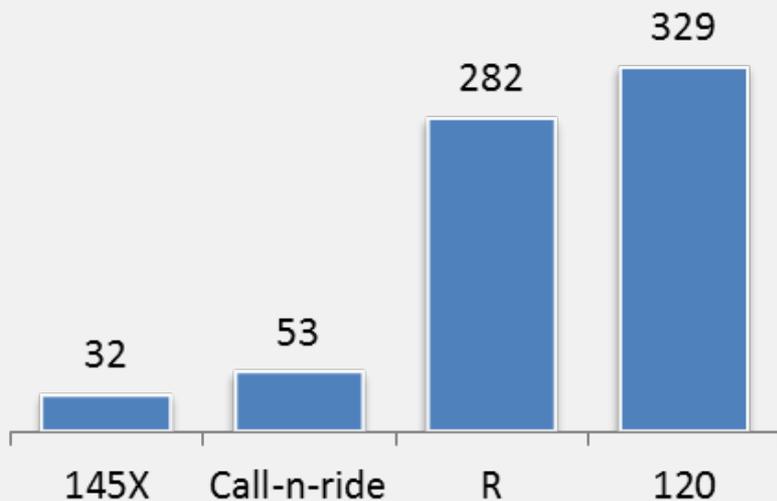
2015 transit service levels

routes	weekday roundtrips	weekend roundtrips	daily ridership
120	16	0	329
145X	2	0	32
R	9	0	282
call-n-ride	5:30AM-7PM	no service	53
total	27	0	696

source: RTD (ridership only includes boardings and alightings in Brighton)

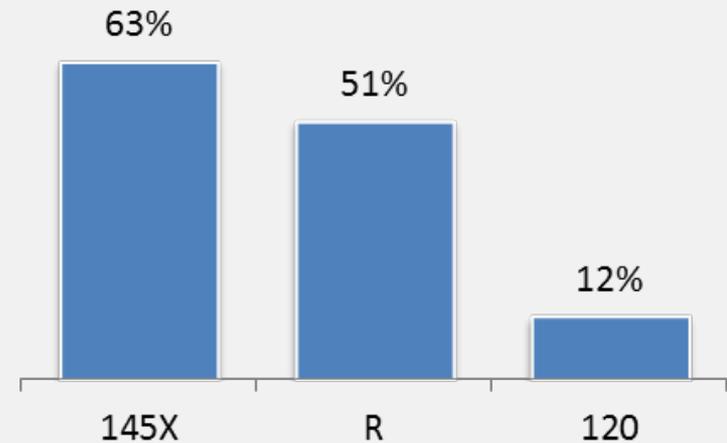
transit ridership

2015 daily transit ridership by route in Brighton



source: RTD (Jan 2015)

percent of trips from to/from US-85 & Bridge PnR



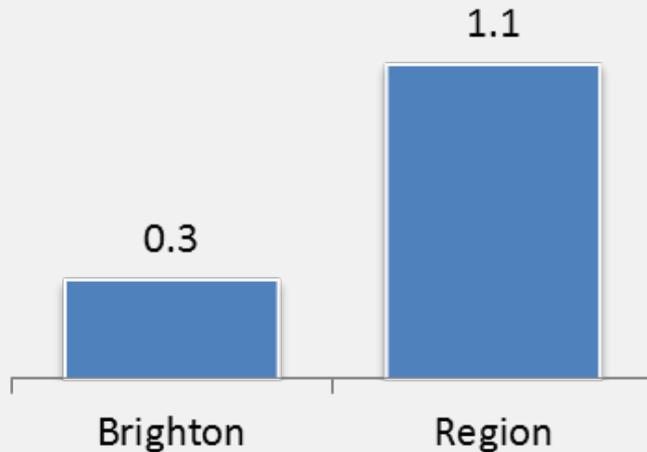
source: RTD (Jan 2015)

696 per day

32% all routes

per capita transit ridership

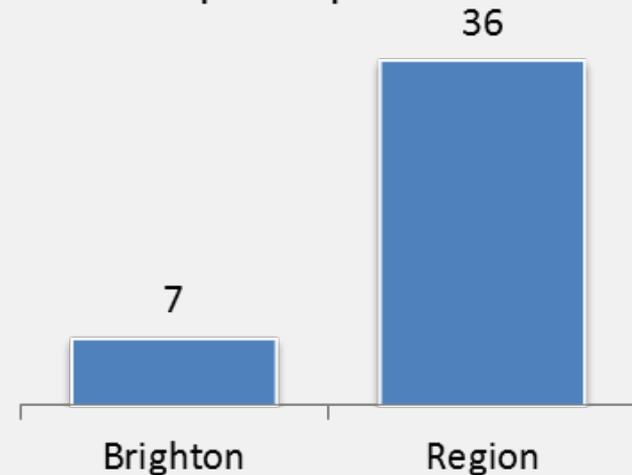
2013 annual transit service hours per capita



source: RTD, U.S. Census, Charlier Associates

3x higher in region

annual transit ridership per capita

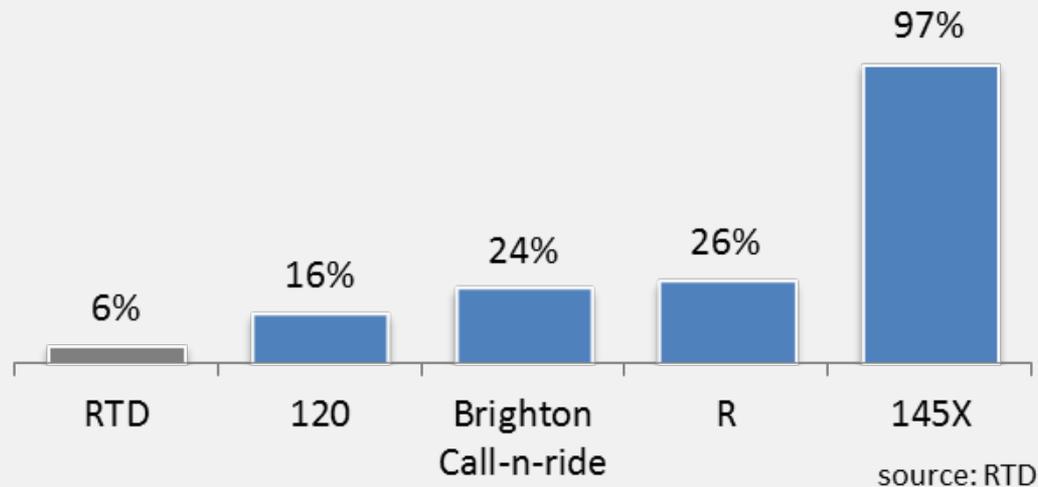


source: RTD, U.S. Census

5x higher in region

transit ridership growth

2010-2013 ridership growth



all Brighton routes: 24%

transit mode share by destination

(of trips originating or ending in Brighton in 2015)

destination	existing route(s)	daily person trips (one-way)	daily transit ridership (one-way)	transit mode share
Downtown Denver	R	1,572	123	7.8%
DIA	145X	956	16	1.7%
Denver	R, 145X	10,272	174	1.7%
Thornton/ Broomfield	120	14,753	122	0.8%
Commerce City	R	9,222	8	0.1%
within Brighton	120, call-n	84,903	65	0.1%
within DRCOG region	all routes	174,118	348	0.2%

source: DRCOG (Focus Model, 2014 cycle), RTD

transit commute mode share by destination

(of commute trips originating or ending in Brighton in 2015)

destination	existing route(s)	daily work trips to (one-way)	daily work trips from (one-way)	daily transit ridership (one-way)	transit commute mode share*
Downtown Denver	R	1,183	15	123	9.2%
DIA	145X	712	3	16	2.0%
Denver	R, 145X	4,498	781	174	3.0%
Thornton/ Broomfield	120	1,818	1,975	122	2.4%
Commerce City	R	611	886	8	0.4%
within Brighton	120, call-n	4,924	4,924	65	1.0%
within DRCOG region	all routes	19,194	15,978	348	0.9%

source: DRCOG (Focus Model, 2014 cycle), RTD

*assumes 90% of trips on the R and 145X are commute trips and 75% of trips on all other routes are commute trips

potential BRT transit market

(fro trips to/from Brighton)

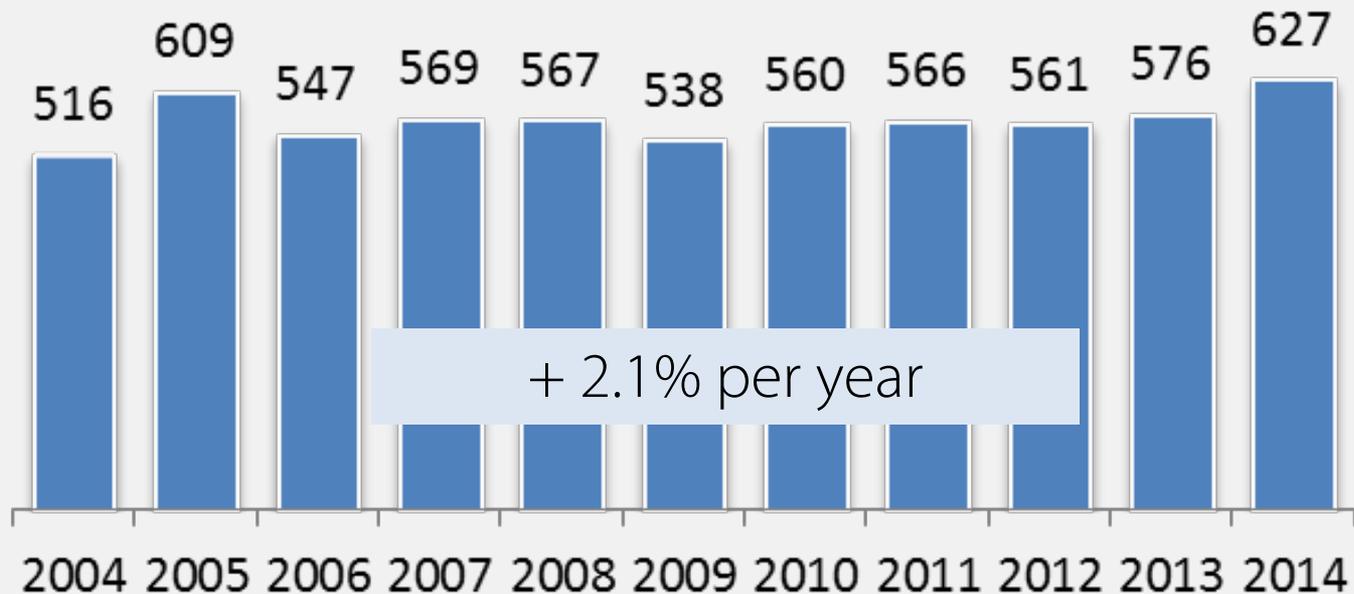
destination	daily person trips	daily commute trips (both ways)			potential daily transit ridership	
		to Brighton	from Brighton	combined	3% of all trips	10% of commute trips
Downtown Denver	10,036	2,648	688	3,336	602	667
Commerce City/ A-Line	9,048	3,134	736	3,870	543	774
SH-7	7,158	1,160	890	2,050	429	410
120th Ave	13,184	1,800	1,448	3,248	791	650
DIA	1,912	1,424	6	1,430	115	286
Greeley	no data	no data	no data	no data	no data	no data

source: DRCOG (Focus Model, 2014 cycle), RTD

VMT & TRAFFIC

vehicle miles traveled (VMT) - trend

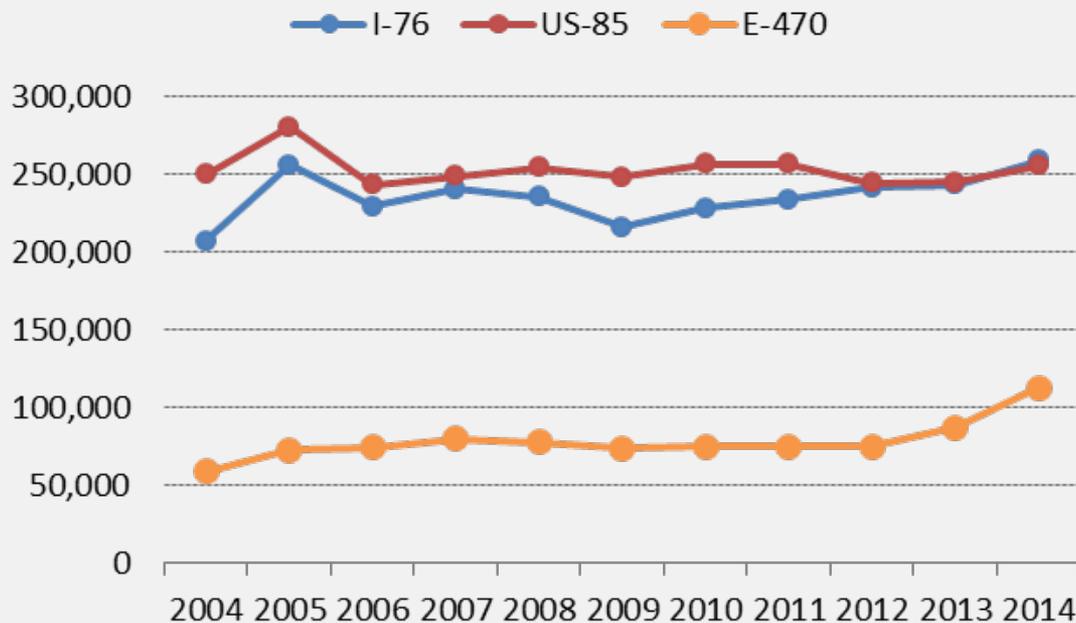
Daily VMT on State Highways in Brighton
(thousands)



source: CDOT

VMT - trend

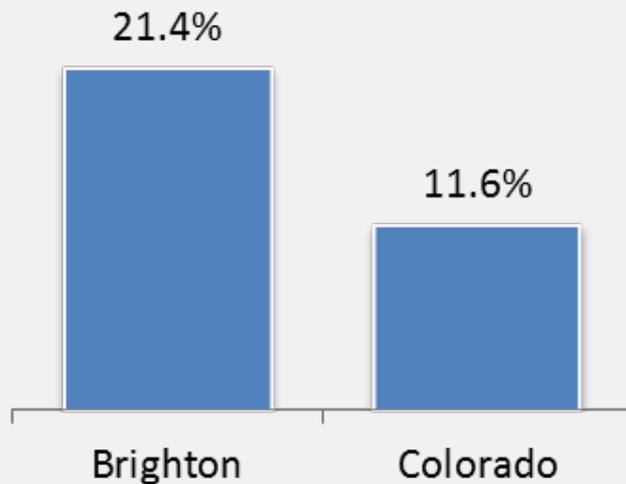
Daily VMT on State Highways in Brighton



route	avg. VMT growth
US-85	0.2% per year
I-76	2.5% per year
E-470	9.0% per year
all	2.1% per year

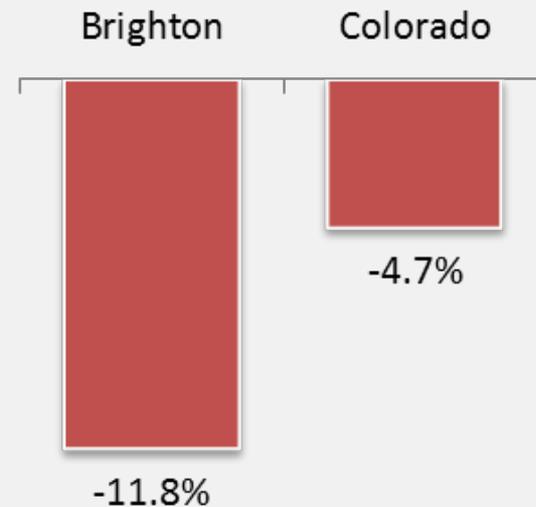
VMT per capita - trend

VMT growth since 2004
(on State Highways)



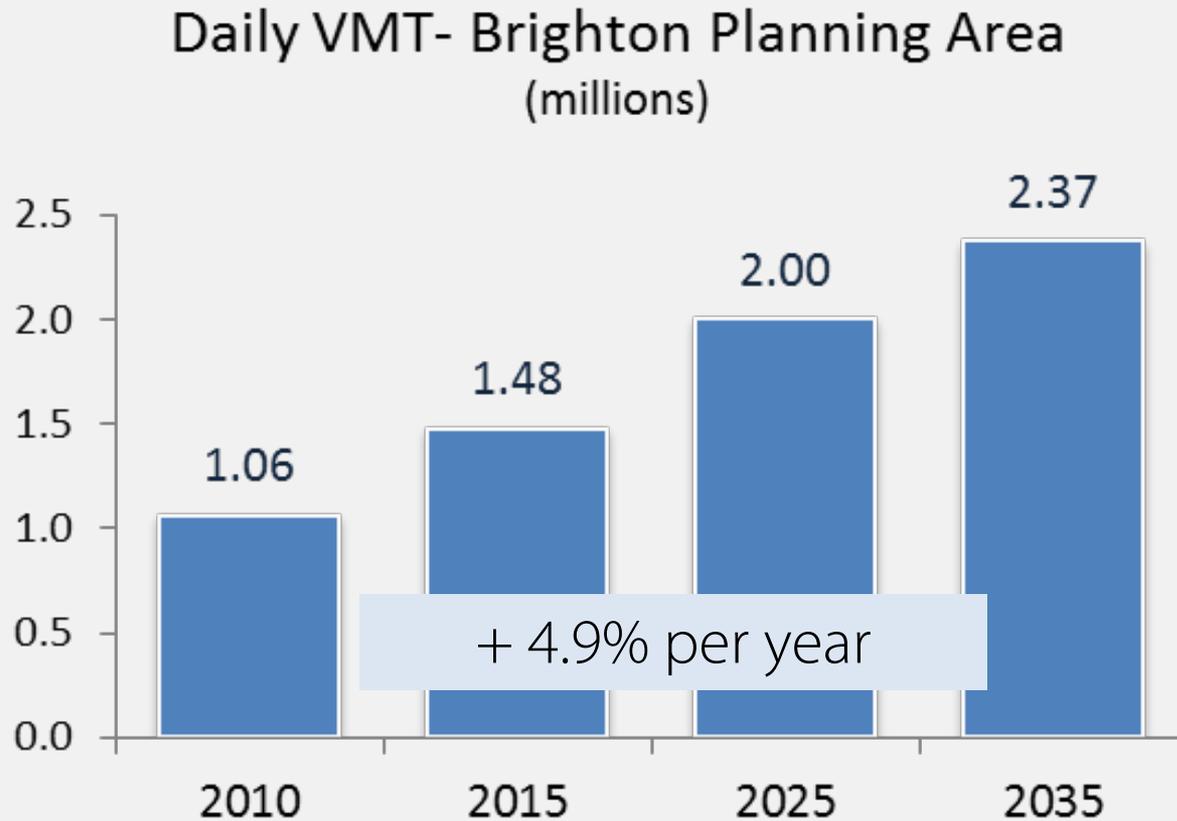
source: CDOT

VMT per capita change
since 2004
(State Highways)



source: CDOT, US Census

VMT - forecast

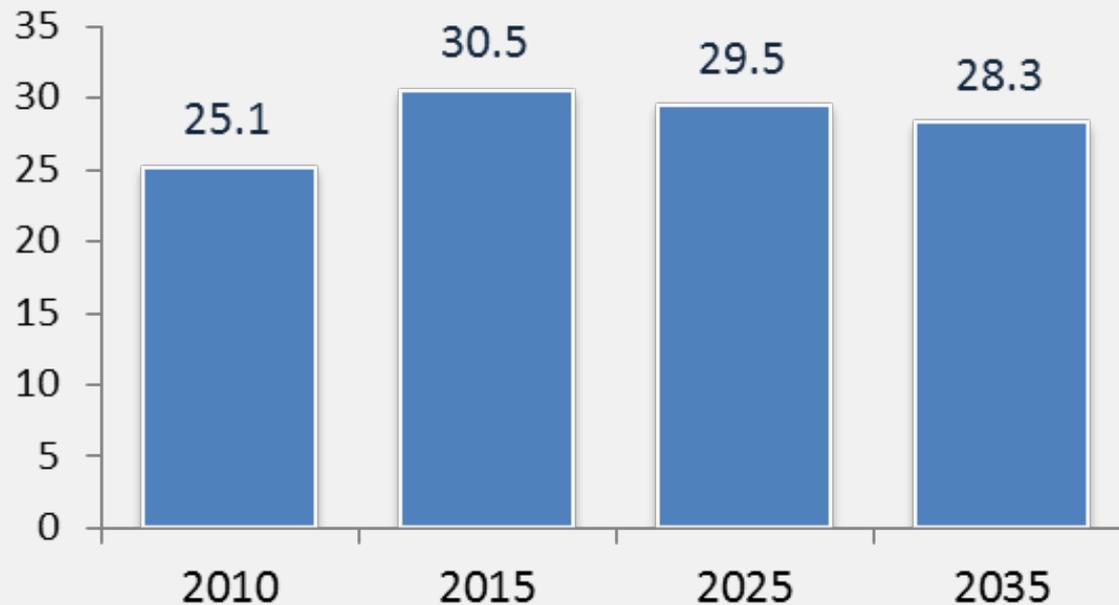


note: assumes 300 AADT on local roads

source: DRCOG Focus Model (2014 cycle)

VMT per capita - forecast

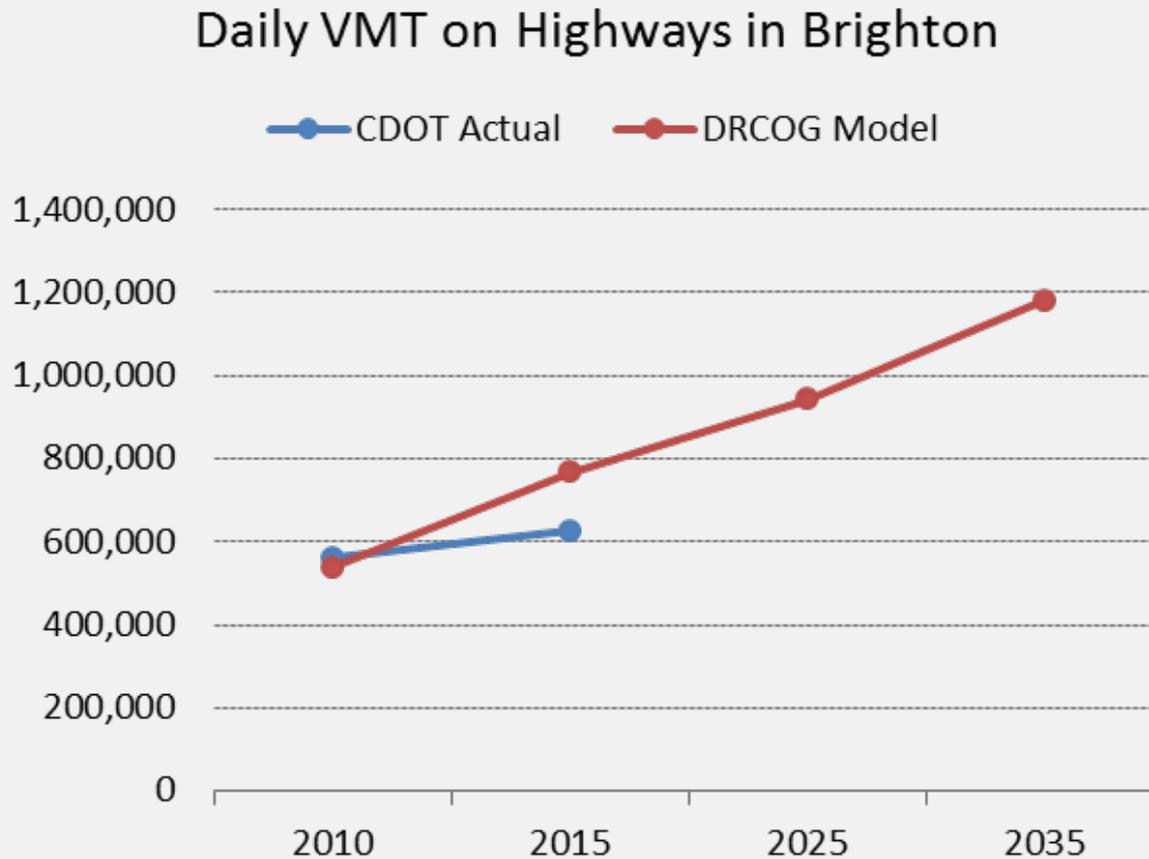
Daily VMT per capita
Brighton Planning Area



source: DRCOG Focus Model (2014 cycle)

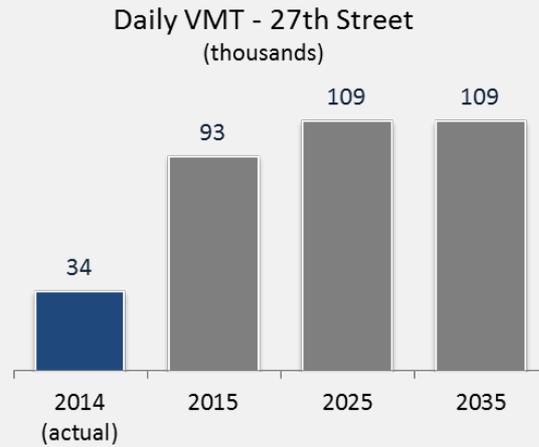
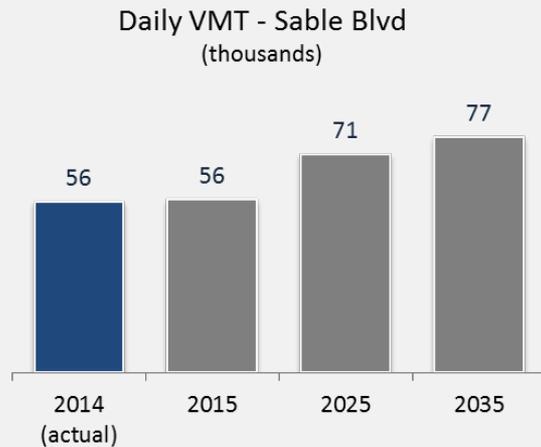
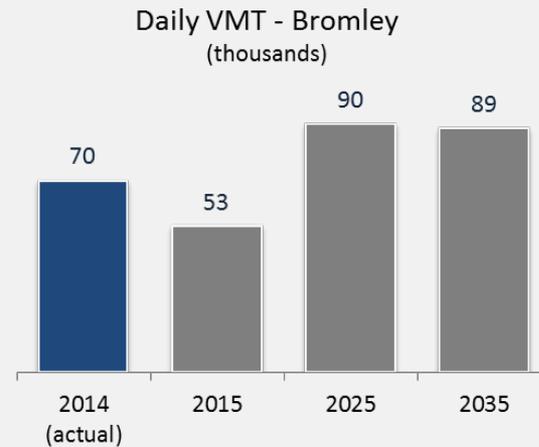
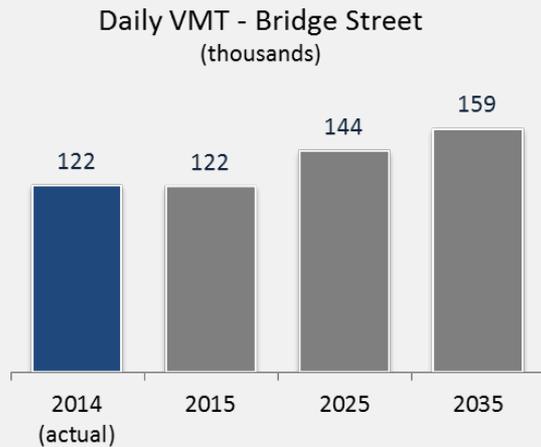
note: assumes 300 AADT on local roads

VMT – actual vs. forecast



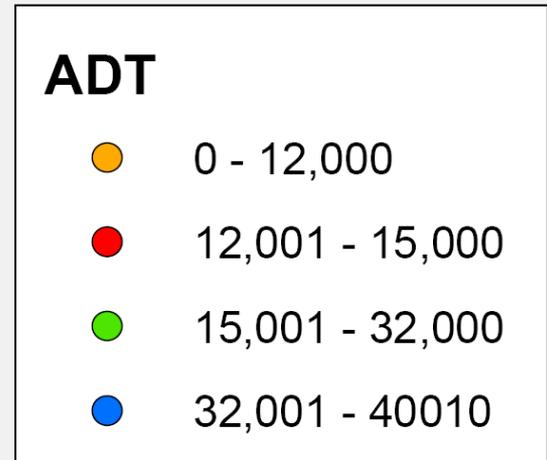
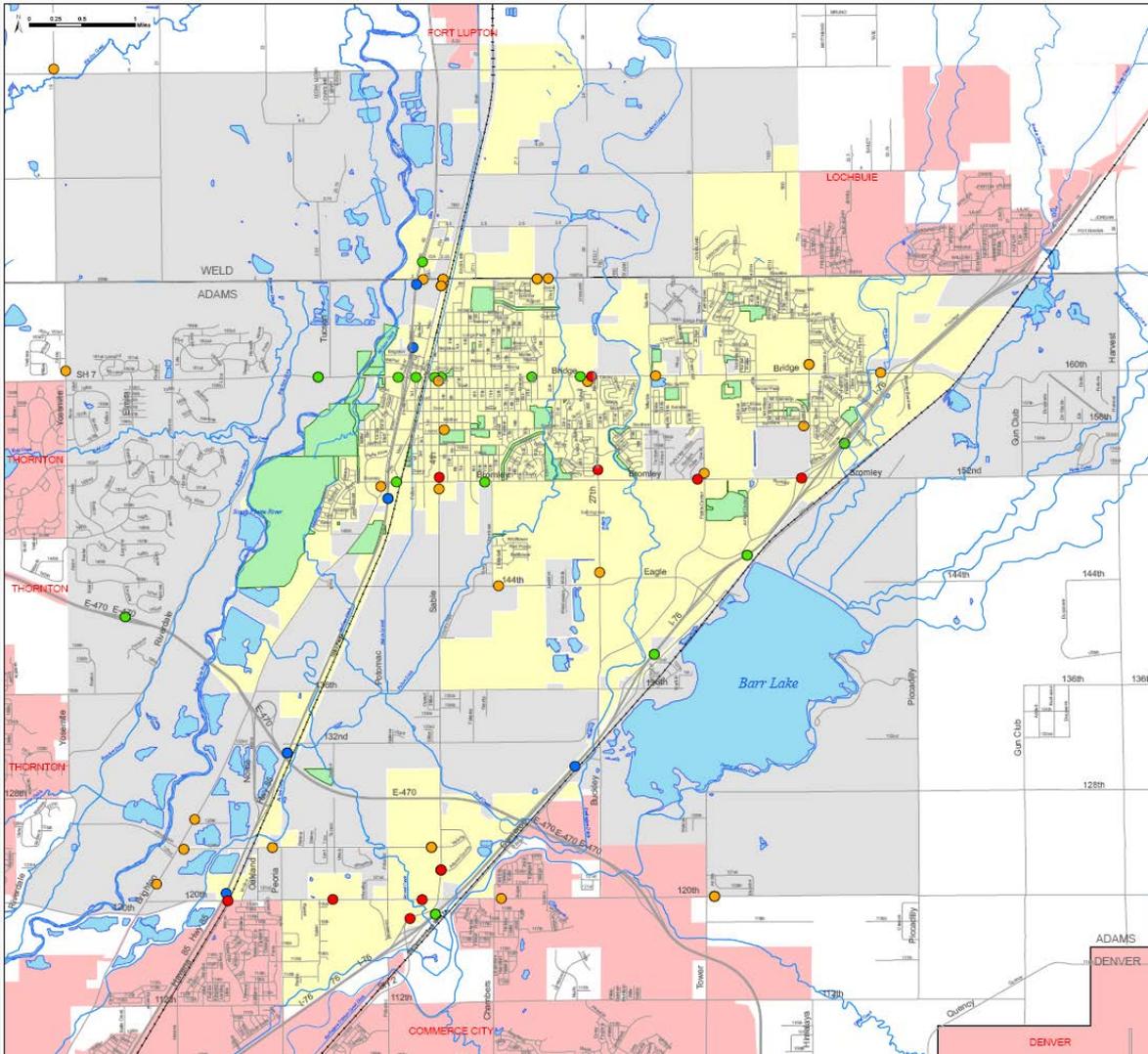
note: "actual" data is through 2014

VMT – actual vs. forecast



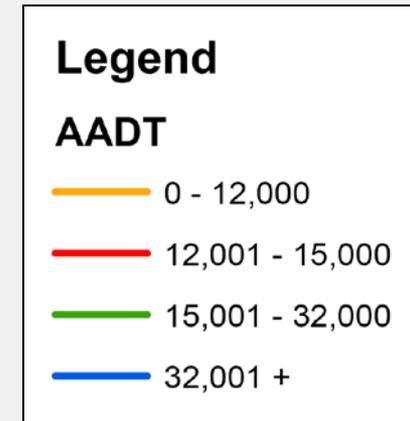
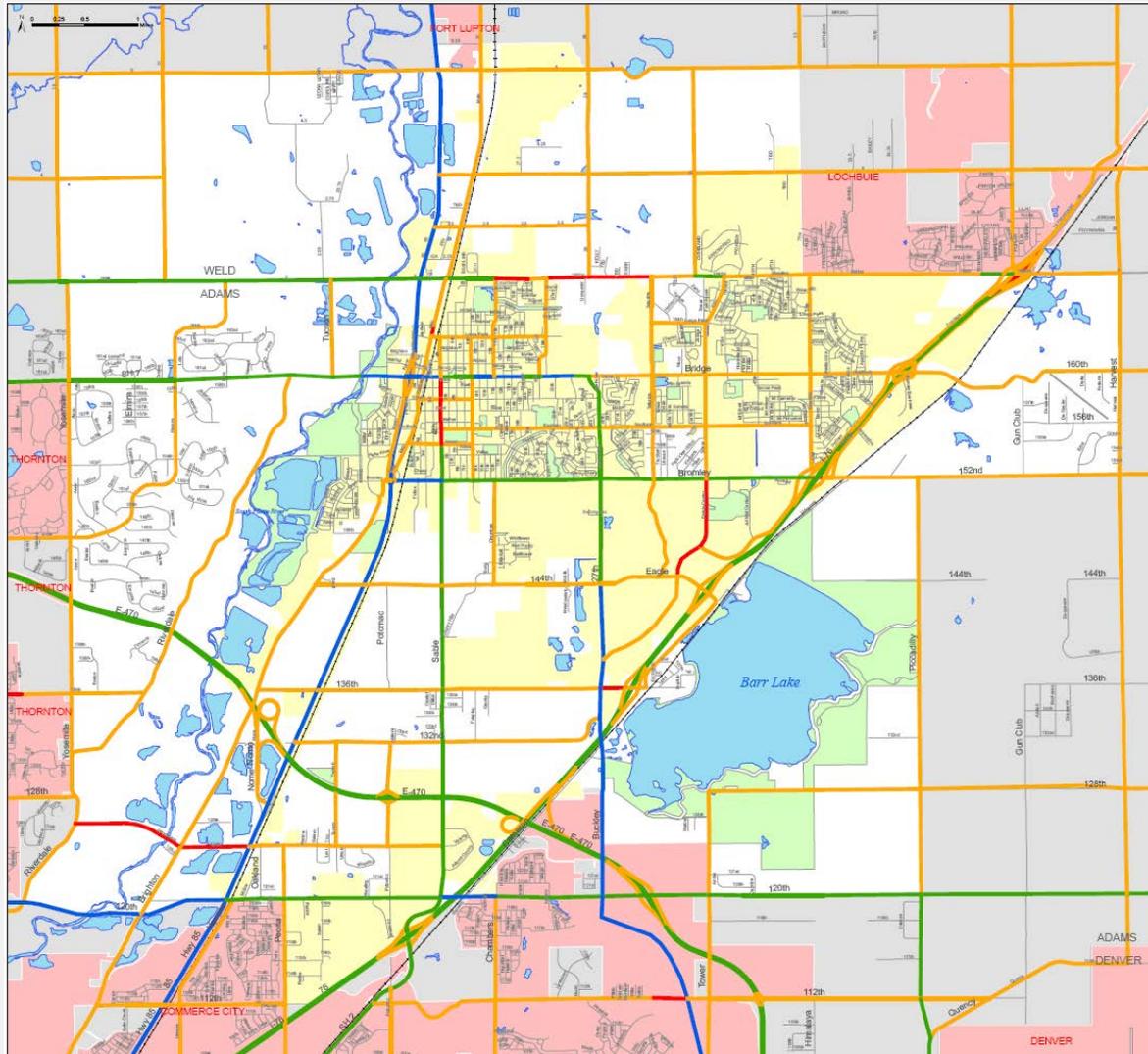
source: DRCOG, Charlier Associates, Inc.

2013 & 2014 traffic counts



source: DRCOG
(average daily traffic; not annualized)

2040 forecast traffic volumes

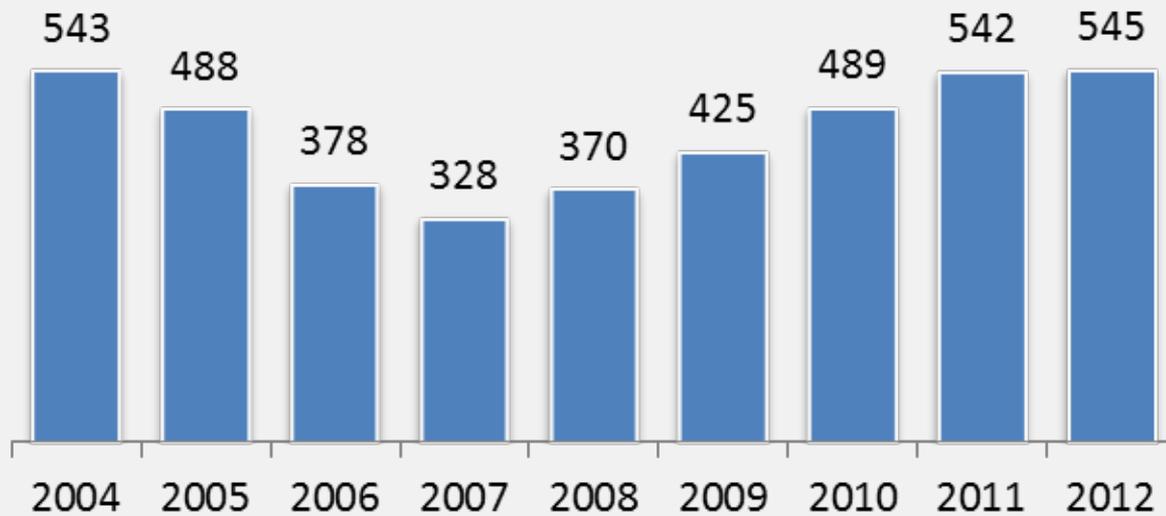


source: DRCOG (Focus Model, 2014 cycle)

VEHICLE CRASHES

vehicular crash trends

Vehicle Crashes on City/County Streets
(Brighton City Limits)

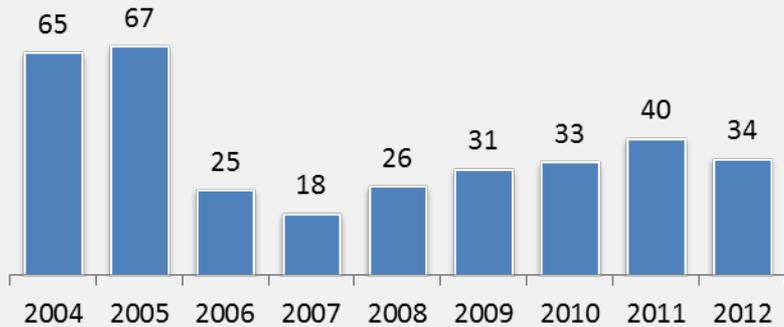


source: DRCOG

note: excludes crashes on State Highways (US-85, I-76) & E-470

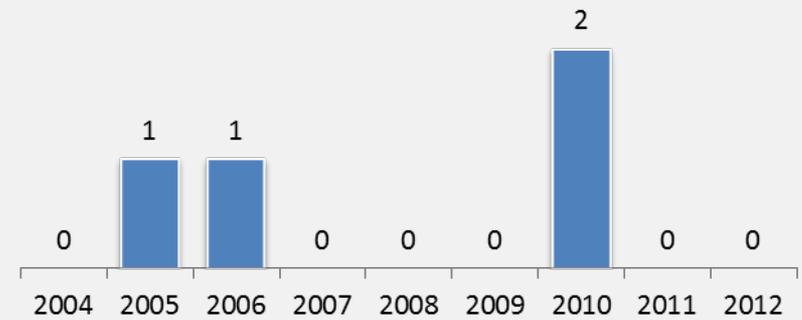
injury and fatality crashes

Vehicle Injury Crashes on
City/County Streets
(Brighton City Limits)



source: DRCOG

Vehicle Involved Fatalities
City/County Streets
(Brighton City Limits)

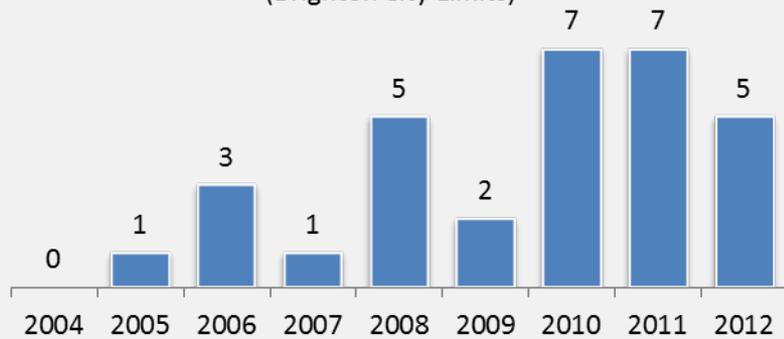


source: DRCOG

note: excludes crashes on State Highways (US-85, I-76) & E-470

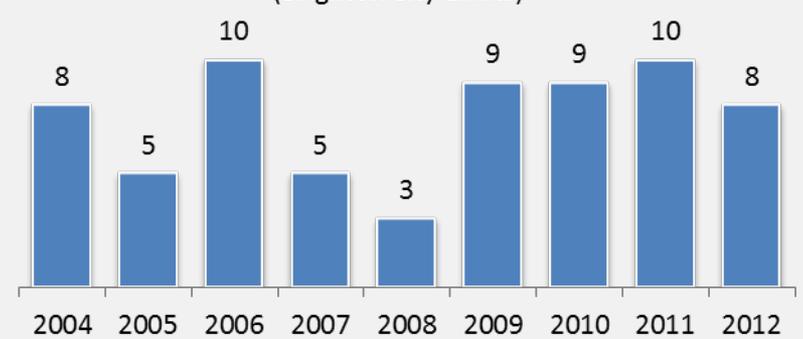
bike and pedestrian vehicle crashes

Bike-Vehicle Crashes on City/County Streets
(Brighton City Limits)



source: DRCOG

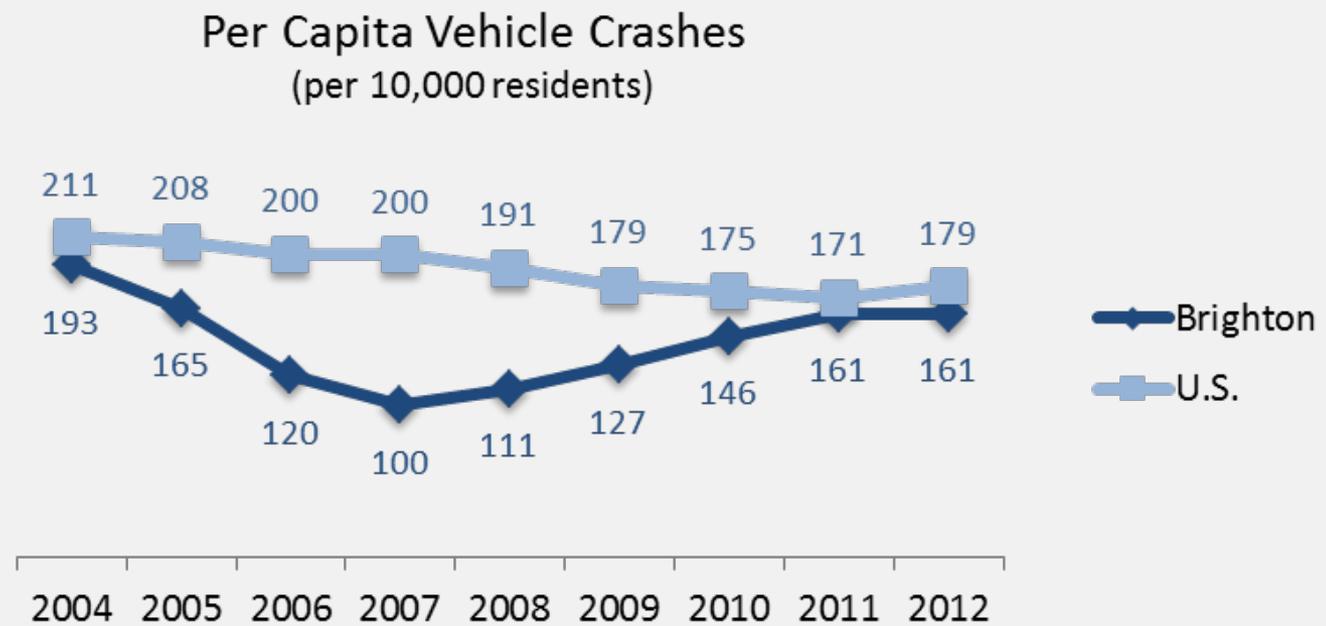
Ped-Vehicle Crashes on City/County Streets
(Brighton City Limits)



source: DRCOG

note: excludes crashes on State Highways (US-85, I-76) & E-470

per capita vehicular crash trends

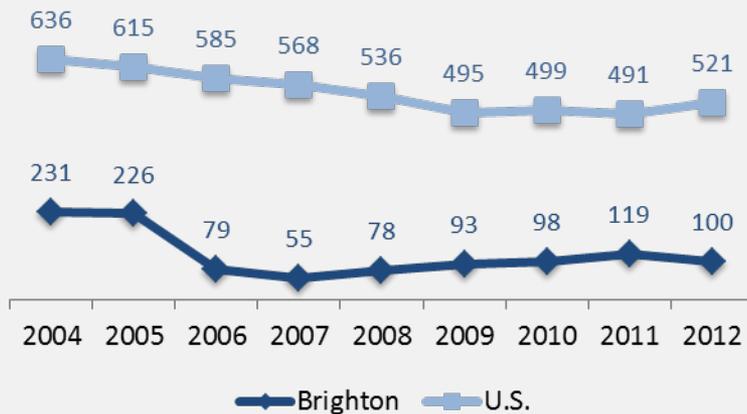


source: DRCOG, US Census, NHTSA

note: Brighton data excludes crashes on State Highways (US-85, I-76) & E-470

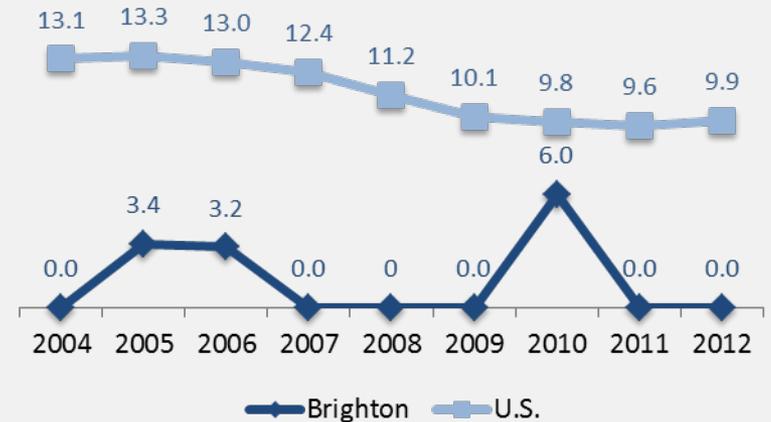
per capita injury and fatality rates

Per Capita Injury Crash Rate
(per 100,000 residents)



source: DRCOG, US Census, NHTSA

Per Capita Fatality Crash Rate
(per 100,000 residents)



source: DRCOG, US Census, NHTSA

note: Brighton data excludes crashes on State Highways (US-85, I-76) & E-470

per capita bicycle and pedestrian crash rates

Per Capita Bicycle Injury Crash Rate
(per 100,000 residents)



source: DRCOG, US Census, NHTSA

Per Capita Pedestrian Injury Crash Rate
(per 100,000 residents)



source: DRCOG, US Census, NHTSA

note: Brighton data excludes crashes on State Highways (US-85, I-76) & E-470