



**COLORADO**  
Department of Transportation

# HB23-1101 TPR Study

Region 4 Public Meeting

July 31, 2023



# Statewide Maps

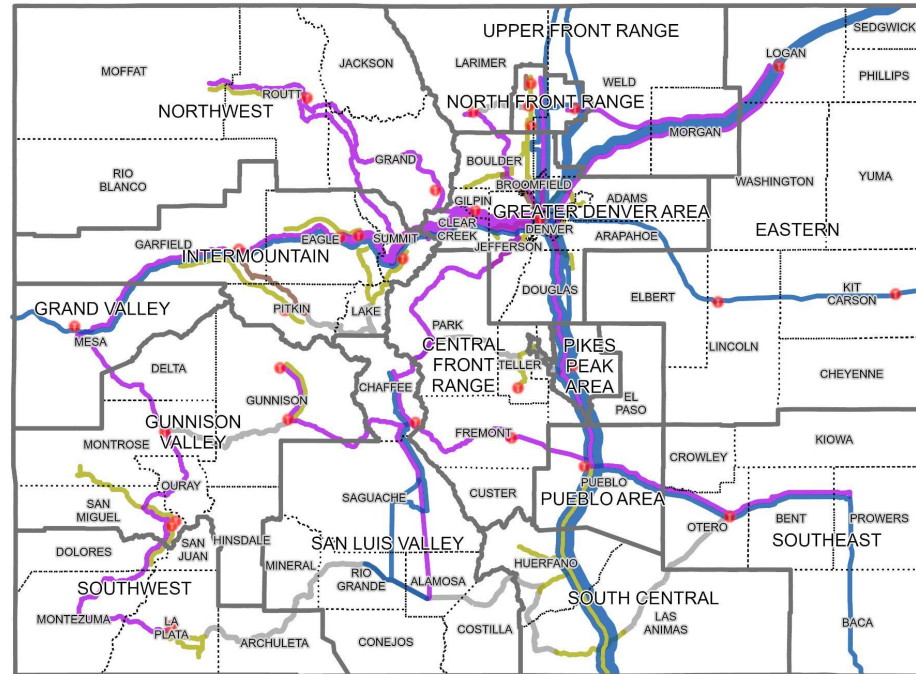






## TPR Boundary Analysis - Colorado Transit Network

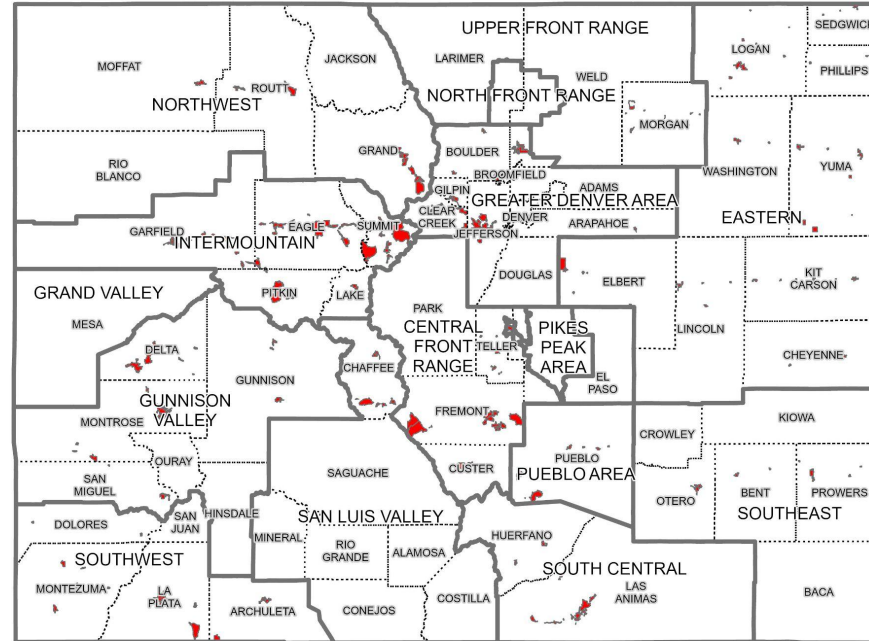
Statutory Requirement: Transit Corridors





# Transit District Boundaries

TPR Boundary Analysis - Transit Service Areas for Census Designated Places  
Statutory Requirement: Transit District Boundaries

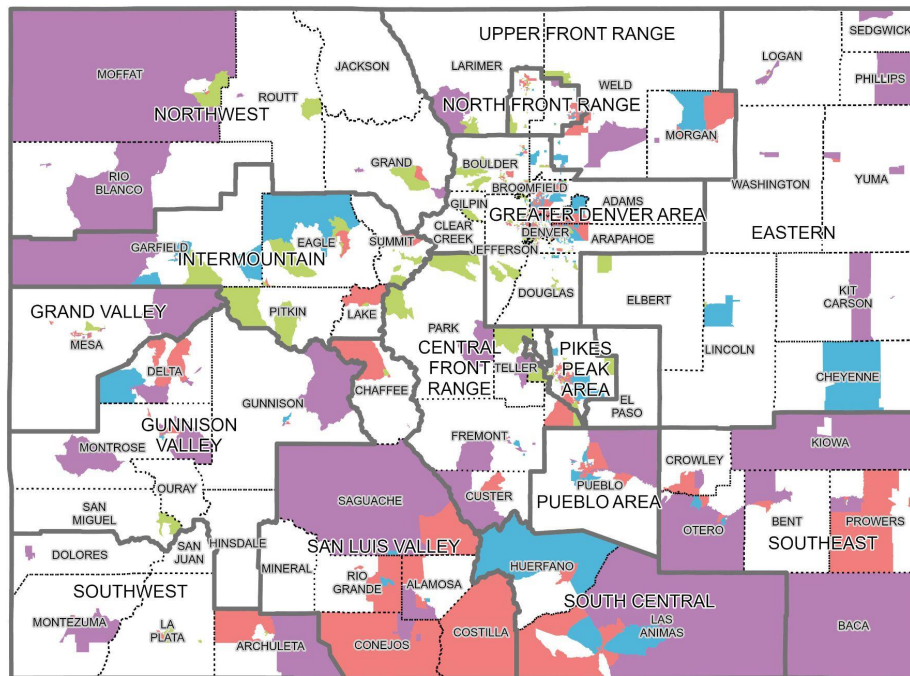




# Disproportionately Impacted Communities

## TPR Boundary Analysis - Disproportionately Impacted Communities

Statutory Requirement: Disproportionately Impacted Communities



0 30 Miles

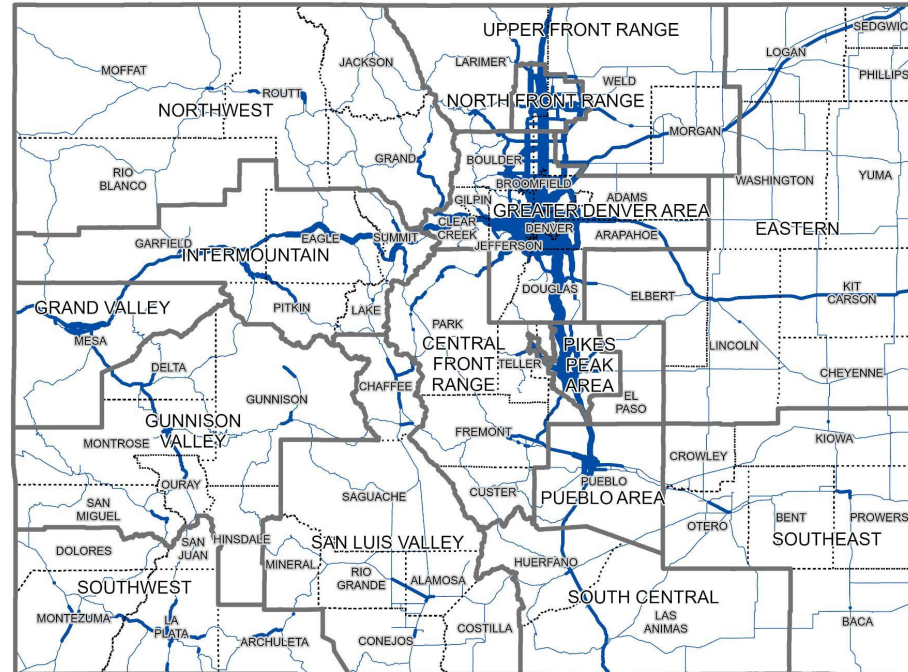
More than one category  
People of Color  
Housing Burden  
Low Income

Source: CDPHE 2021

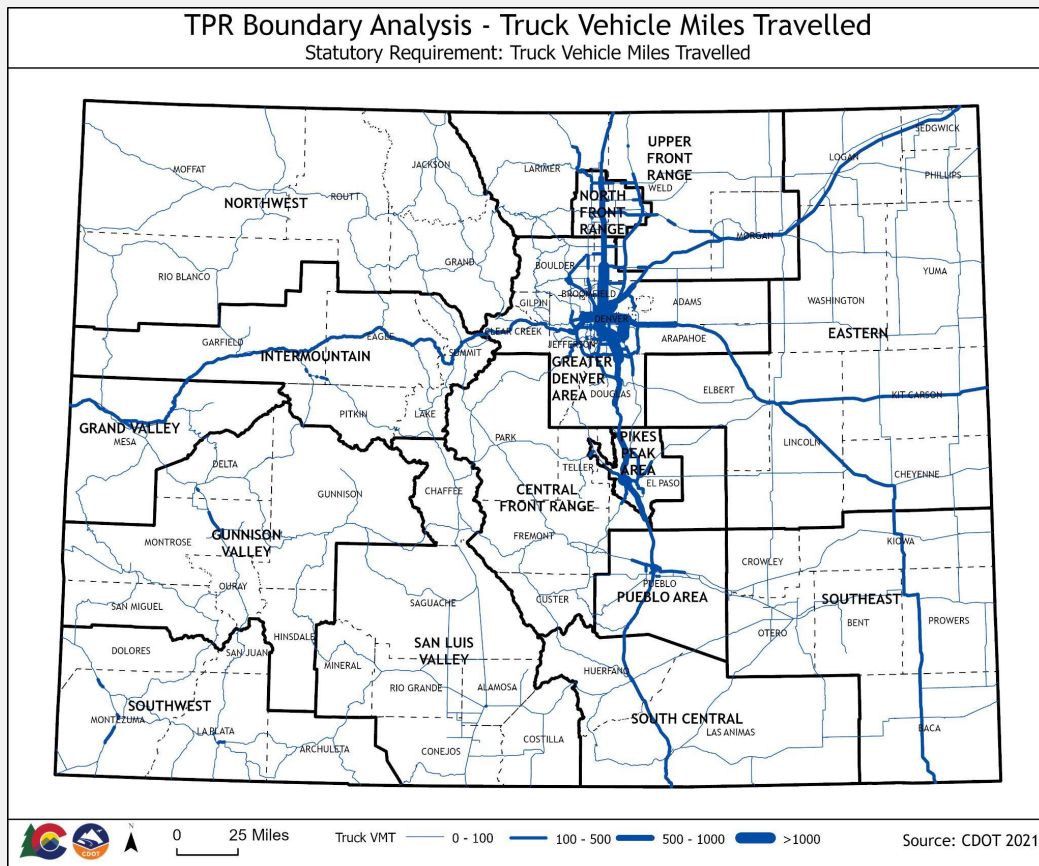


## TPR Boundary Analysis - Vehicle Miles Traveled

Statutory Requirement: Vehicle Miles Traveled



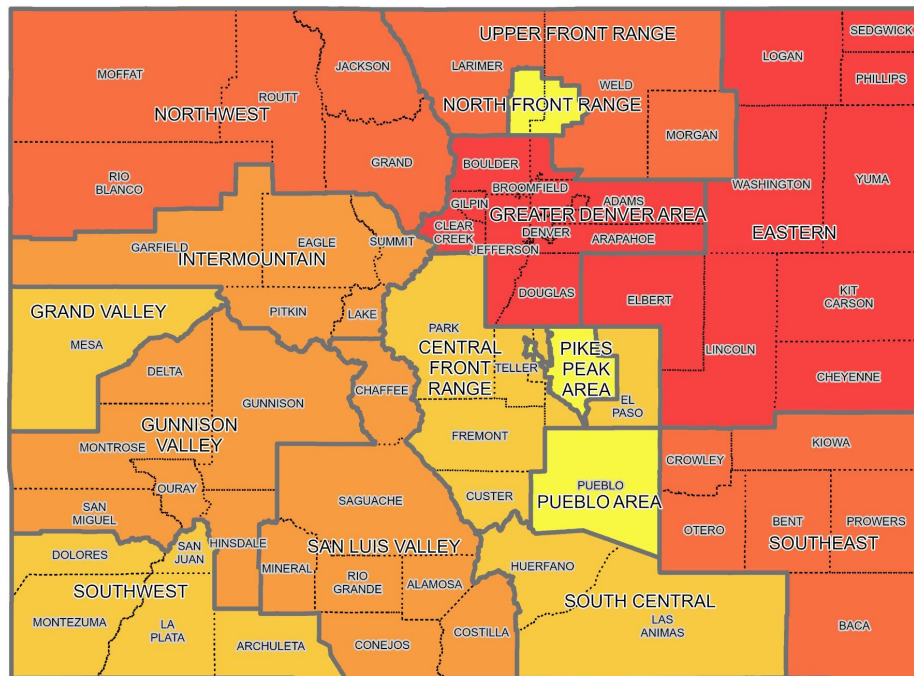
# Truck Vehicle Miles Traveled





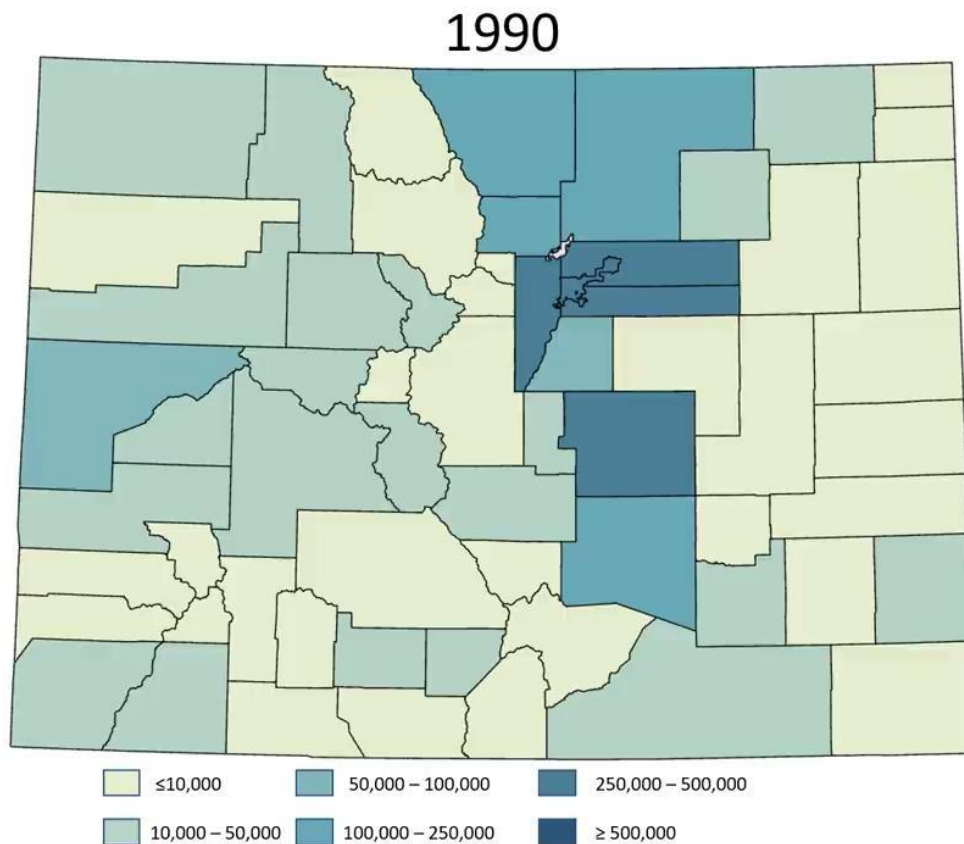
## TPR Boundary Analysis - Lane Miles by TPR

Statutory Requirement: Lane Miles





# Visualization of Population Change by County

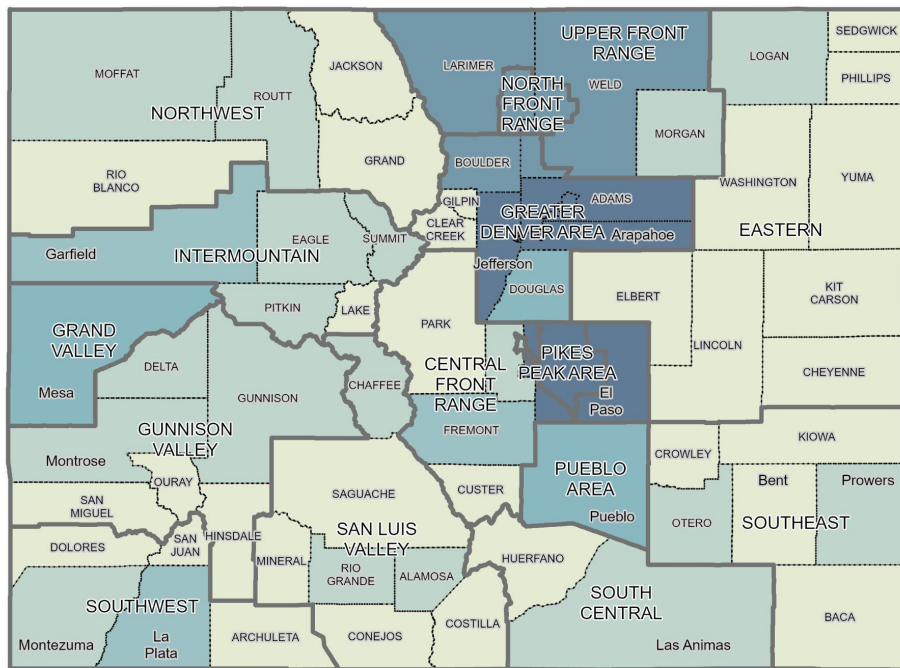




# 1990 Population by County

## TPR Boundary Analysis - 1990 Population by County

Statutory Requirement: Population Trends



\*Broomfield City/County did not exist in 1990



0 30 Miles

<10,000

10,001 - 25,000

25,001 - 60,000

60,001 - 130,000

130,001 - 265,000

265,001 - 467,610

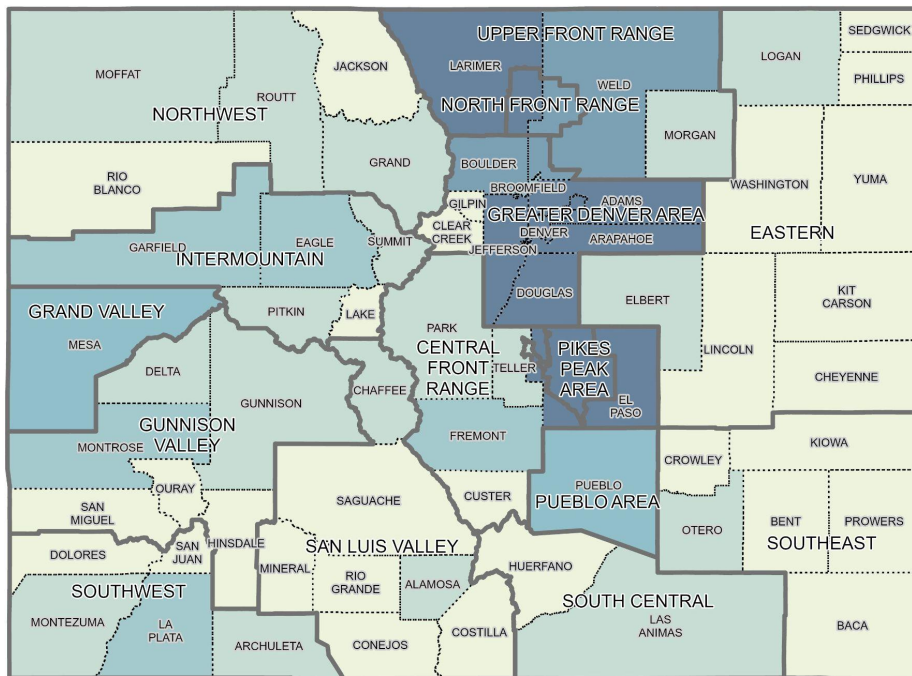
Source: US Census  
1990



# 2021 Population by County

## TPR Boundary Analysis - 2021 Population by County

Statutory Requirement: Population Trends



0 30 Miles

0-13000 13000-32000 32000-75000 75000-170000 170000-360000 >360000

Source: US Census 2021

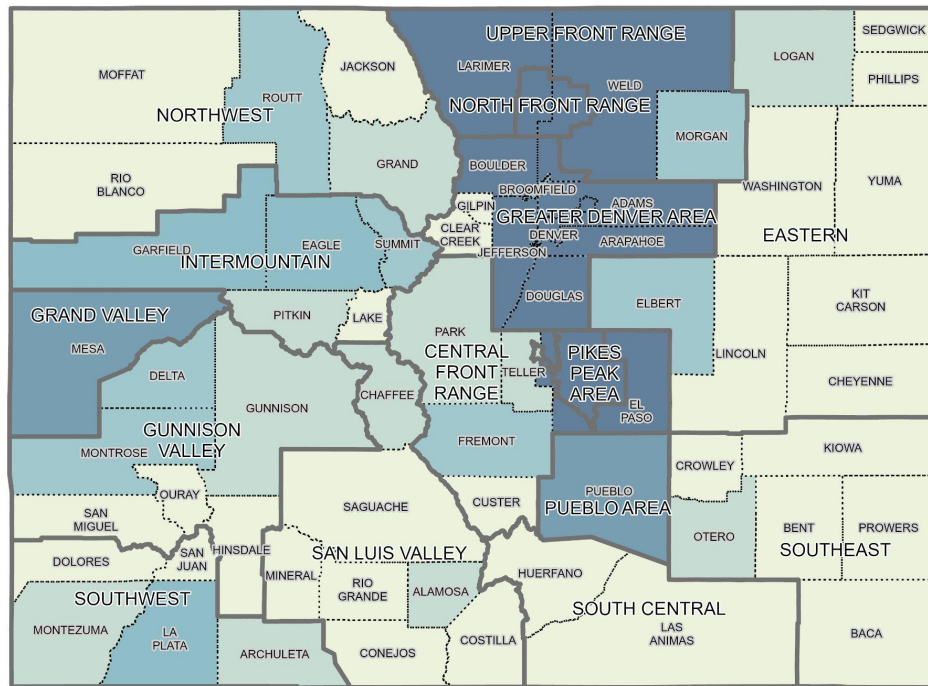




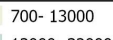
# 2050 County Population Projection

## TPR Boundary Analysis - 2050 County Population Projection

Statutory Requirement: Population Trends



0 30 Miles



700- 13000

13000- 32000

32000-75000

75000-170000

170000-360000

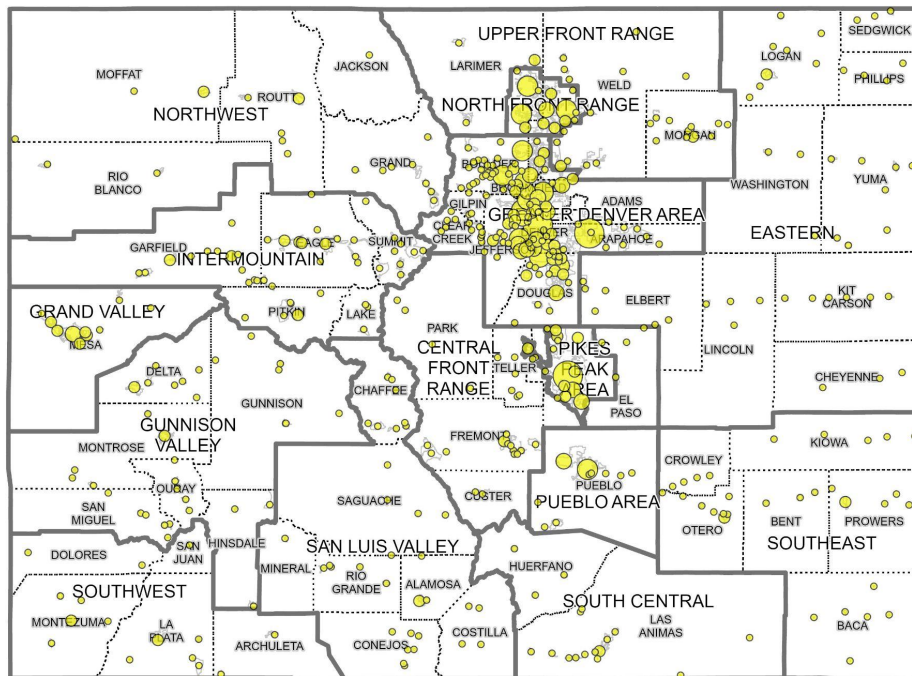
>360000

Source: DOLA 2020

# Populations of Census Designated Places

## TPR Boundary Analysis - Population of Census Designated Places

Statutory Requirement: Population Trends



0 30 Miles

0 - 6500

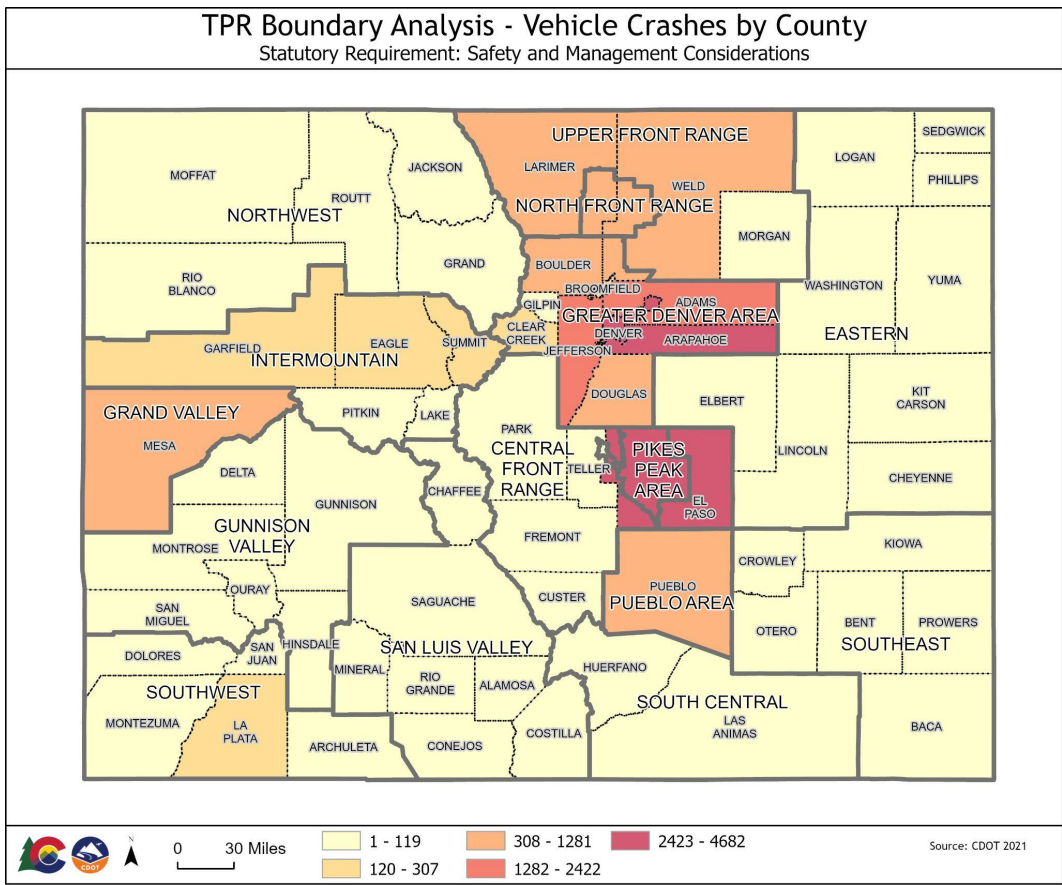
6501 - 25000

25001 - 75000

75001 - 170000

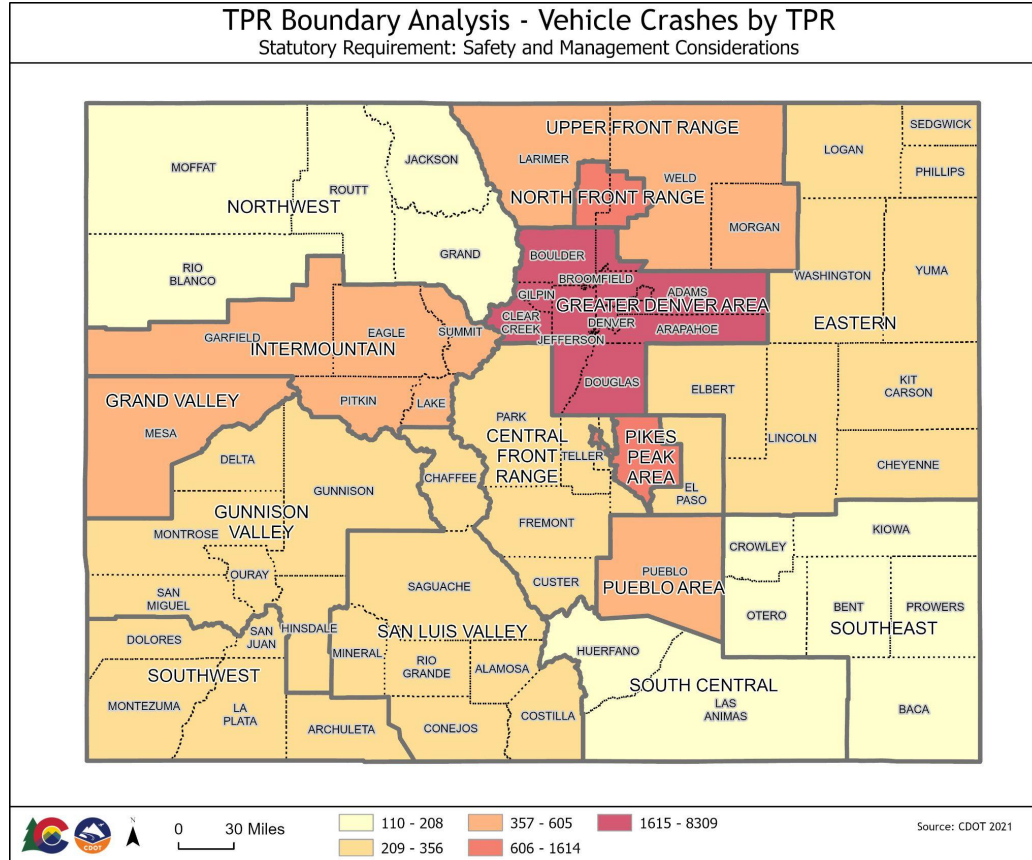
>170000

Source: US Census 2021



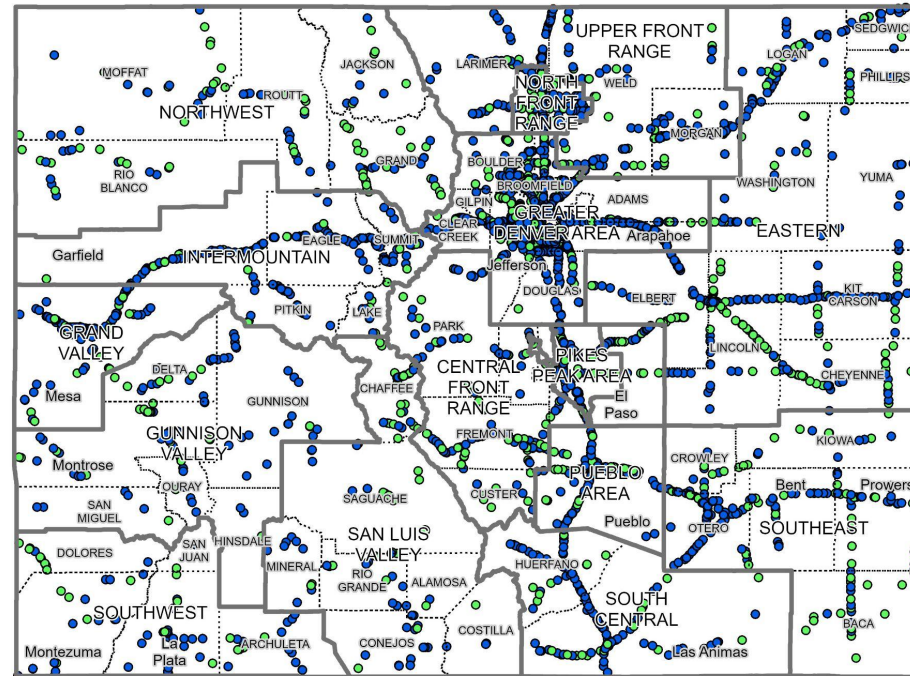


# Vehicle Crashes by TPR



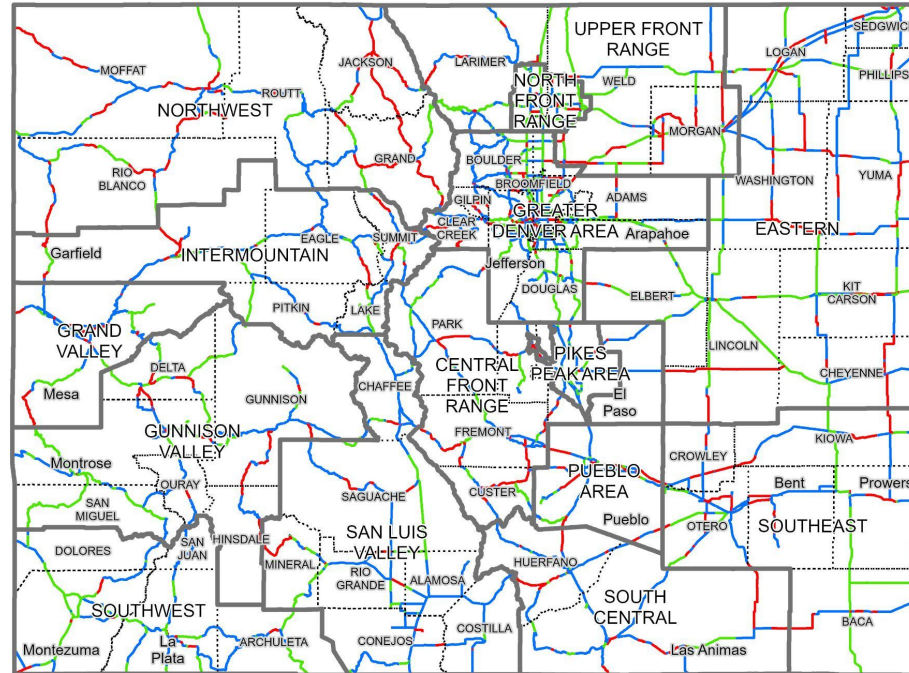
## TPR Boundary Analysis - Bridges and Major Culverts

Statutory Requirement: Safety and Management Considerations



## TPR Boundary Analysis - Highways: Drivability Life

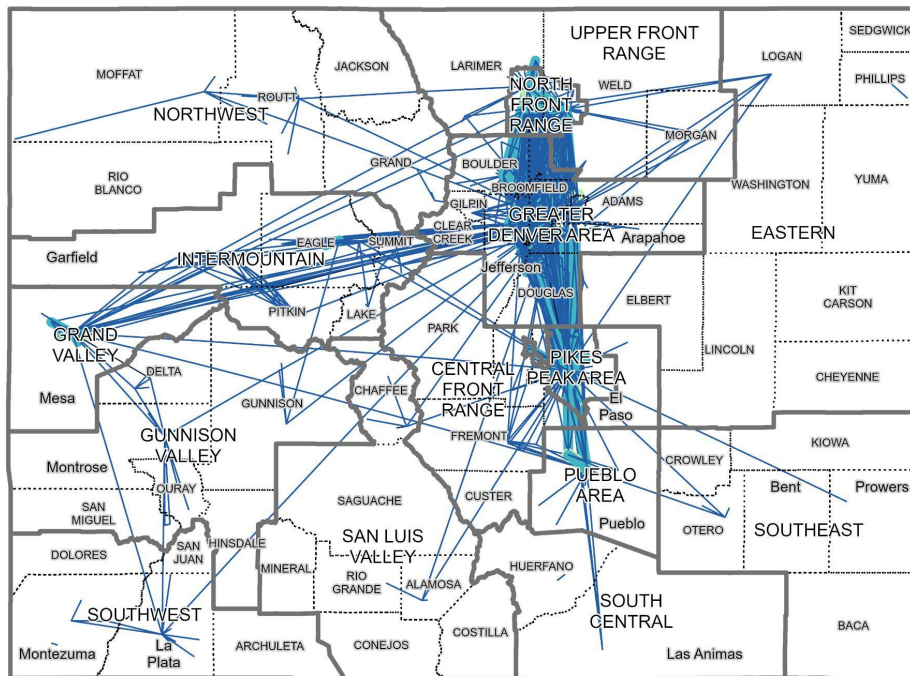
Statutory Requirement: Safety and Management Considerations



# Commuter Origin and Destination

## TPR Boundary Analysis - Commuter Origin and Destination (100+ Commuters)

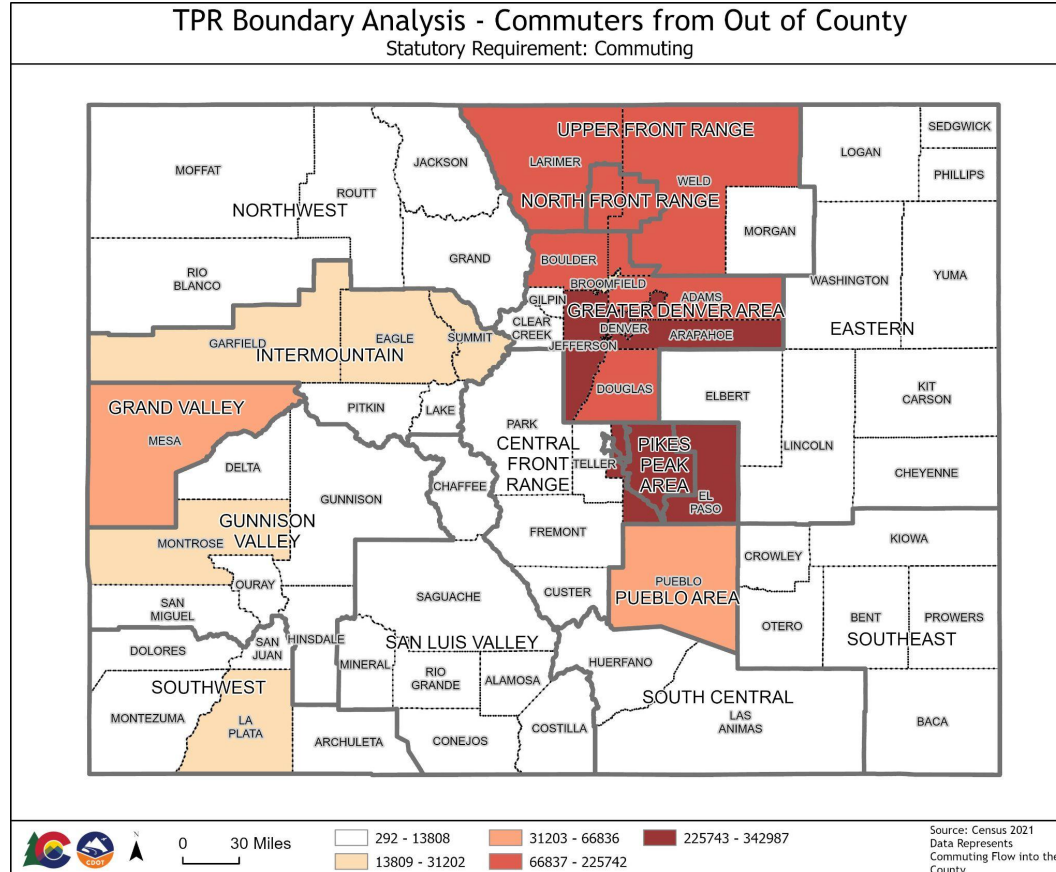
Statutory Requirement: Commuting







# Commuters from Out of County

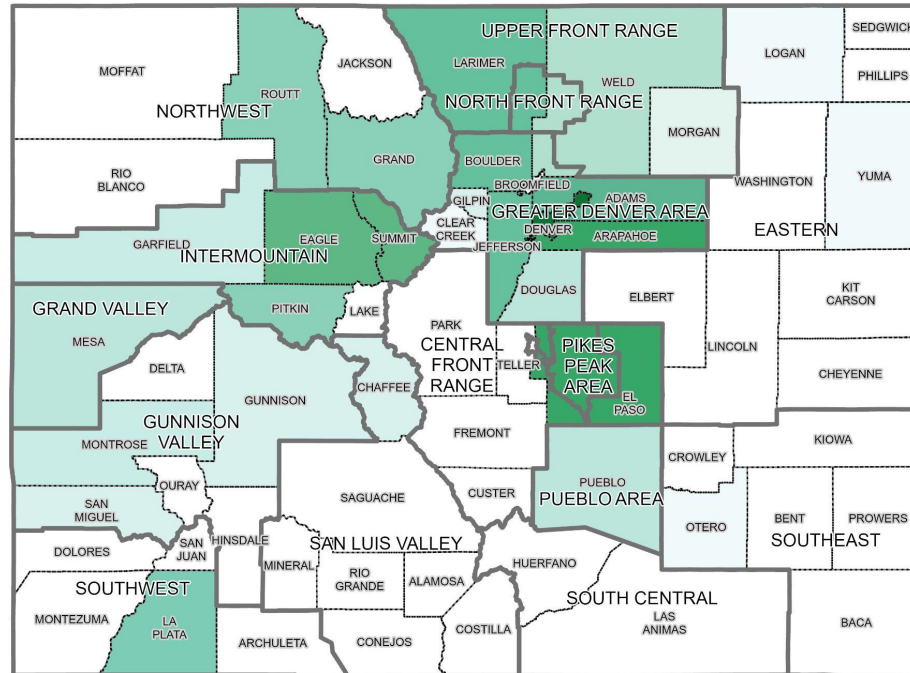




# County Level Tourism Direct Travel Spending

## TPR Boundary Analysis - County Level Tourism Statistics (Direct Travel Spending)

Statutory Requirement: Tourism Impacts



0 10 Miles

\$1,400,000-\$153,800,000

\$153,800,000-\$373,300,000

\$373,300,000-\$830,000,000

\$830,000,000-\$1,800,000,000

>\$1,800,000,000

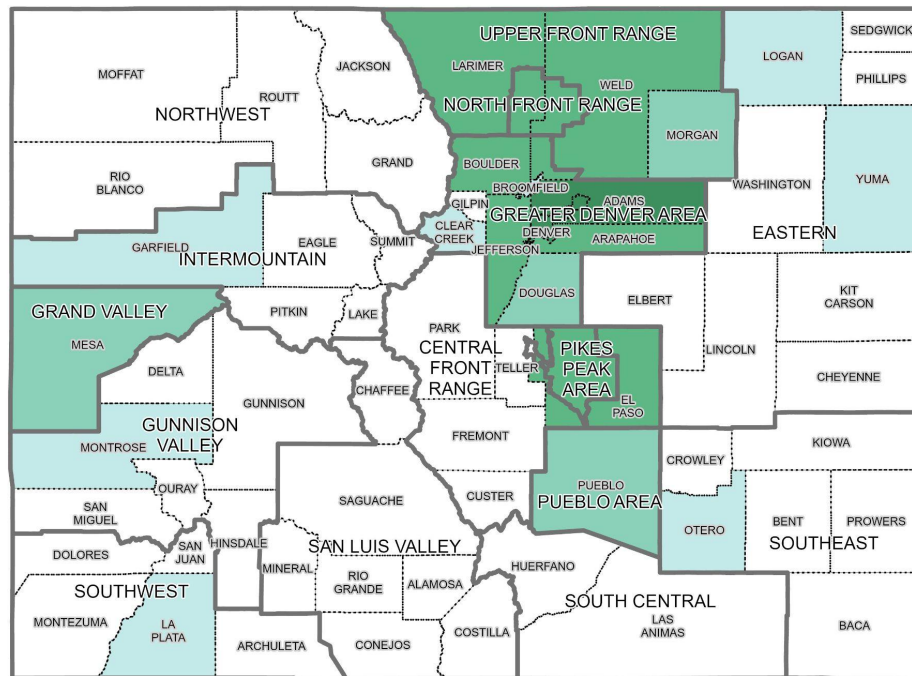
Source: COEDIT 2022



# County Level Movement of Goods

## TPR Boundary Analysis - County Level Movement of Goods

Statutory Requirement: Freight Movement



0 30 Miles

3,538,063-\$712,000,000

\$712,000,000-\$2,633,000,000

2,633,000,000-\$10,598,000,000

\$10,598,000,000-\$25,093,000,000

>\$25,093,000,000

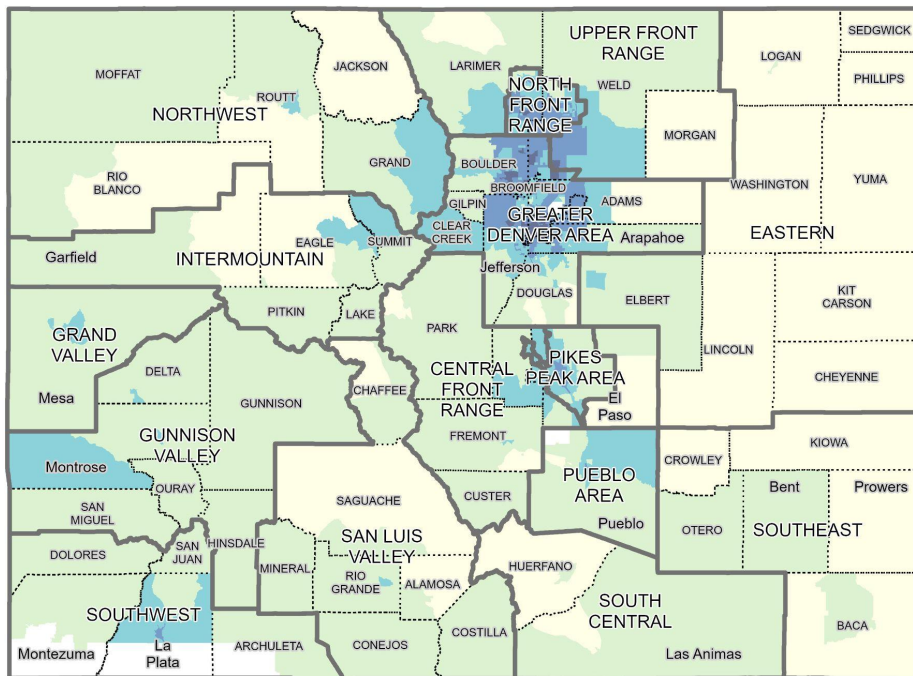
Source: Transearch 2022



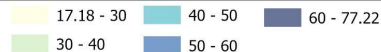
# Levels of Air Pollutants: Air Quality Measures

## TPR Boundary Analysis - EnviroScreen Air Quality Measures

Statutory Requirement: Levels of Air Pollutants



0 30 Miles



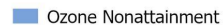
Data reflects the  
Pollution and Climate  
Burden Score

Source: CDPHE 2022





### Statutory Requirement: Levels of Air Pollutants



Source: CDOT 2021



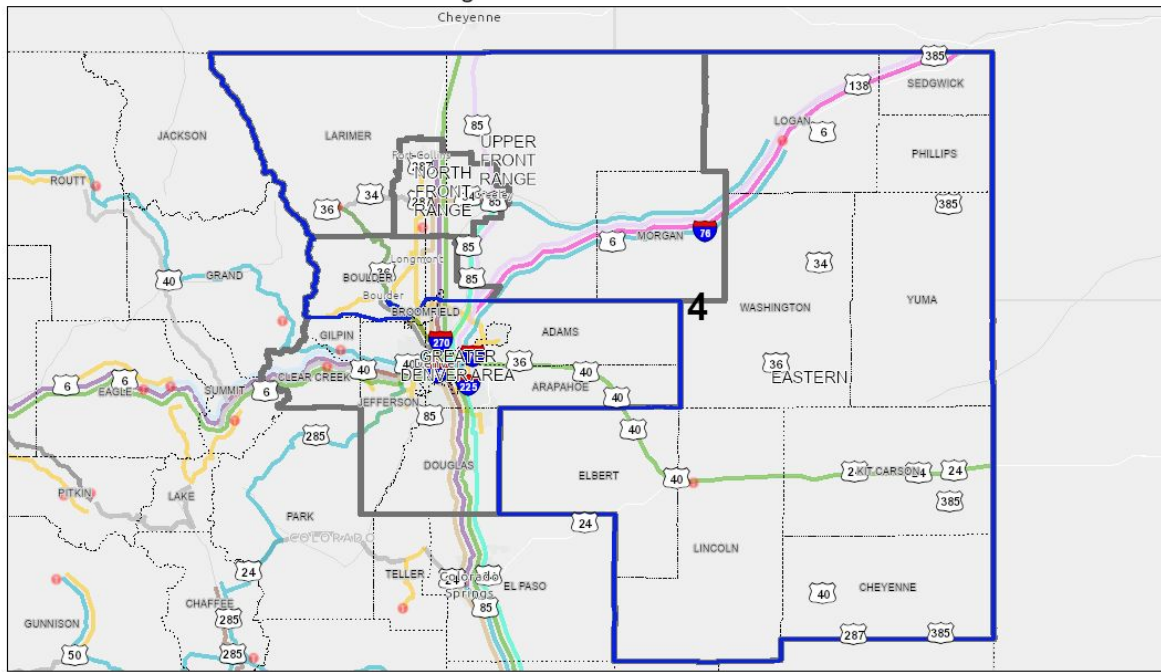
# TPR Level Maps





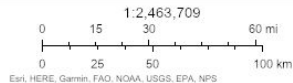
# Transit Corridors

## Region 4 Transit Corridors



7/28/2023, 10:51:29 AM

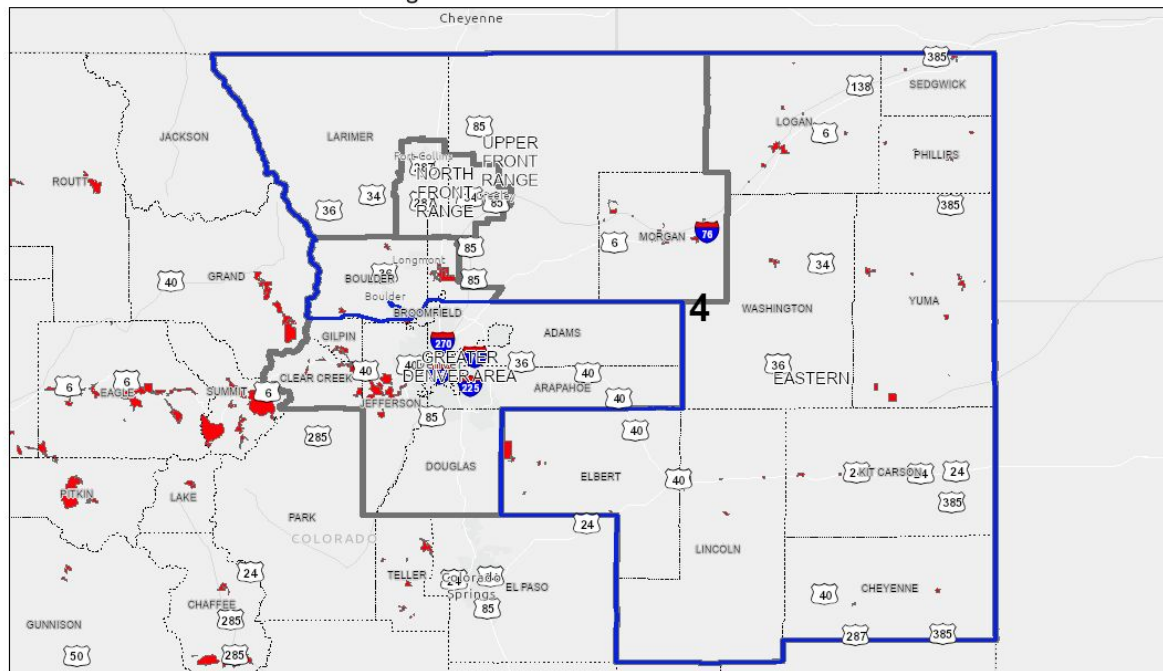
- Highways for Arno
- CDOT Engineering Regions
- Transportation Planning Regions (TPR)
- County Boundaries
- Local Transit Systems
- Bus Rapid Transit
- Flatiron Flyer: Denver to Boulder
- MAX: Fort Collins
- VelociRFTA: Aspen to Glenwood Springs
- Intercity Bus Routes
- Burlington Trailways
- Chaffee Shuttle





# Transit District Boundaries

Region 4 Transit District Boundaries



7/28/2023, 11:00:40 AM

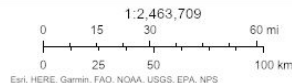
Highways for Anno

CDOT Engineering Regions

Transportation Planning Regions (TPR)

County Boundaries

Transit Service Areas for Census Designated Places

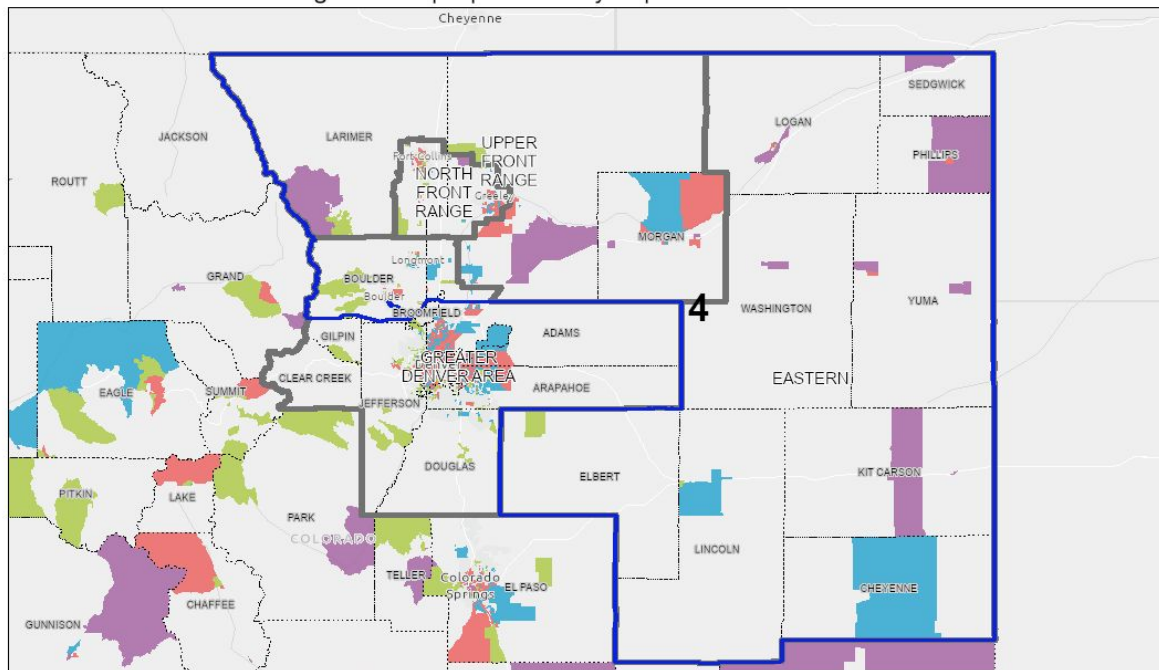






# Disproportionately Impacted Communities

Region 4 Disproportionately Impacted Communities



7/28/2023, 11:05:09 AM

CDOT Engineering Regions

Transportation Planning Regions (TPR)

County Boundaries

Disproportionately Impacted Communities

More than one category

People of Color

Housing Burden

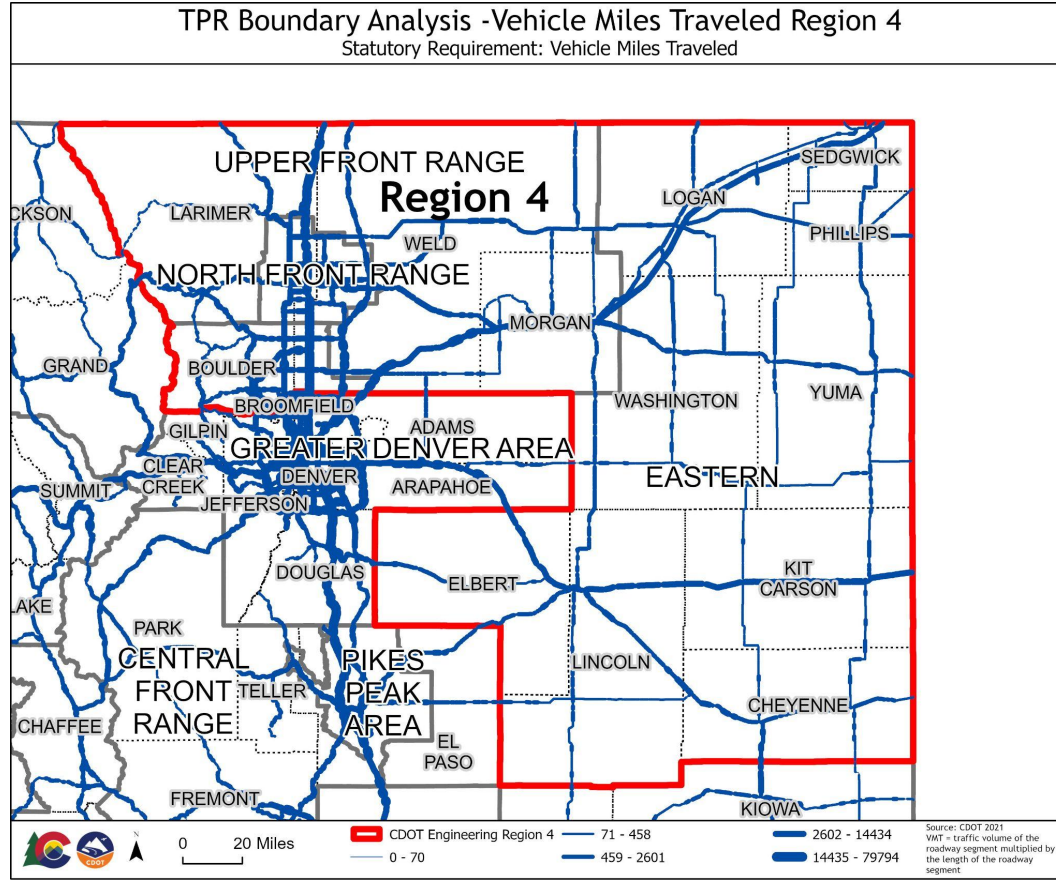
Low Income

1:2,463,709

0 15 30 60 mi

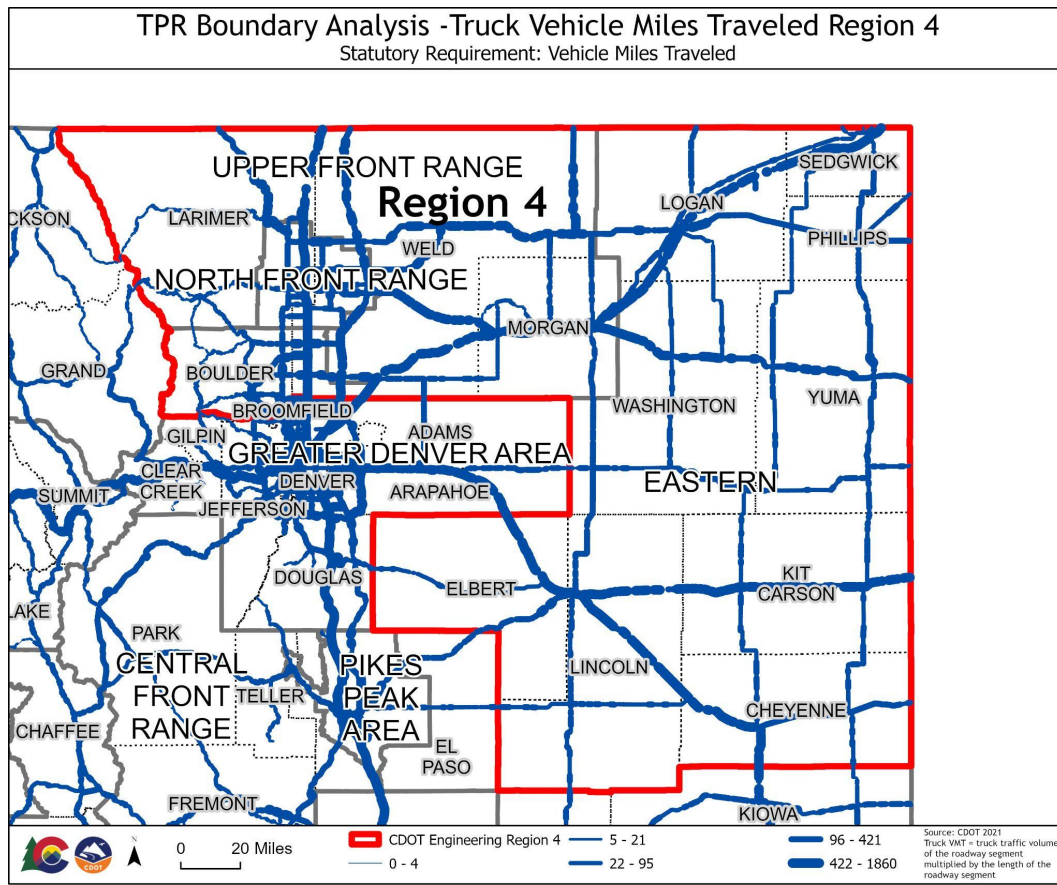
0 25 50 100 km

Esri, HERE, Garmin, FAO, NOAA, USGS, EPA, NPS



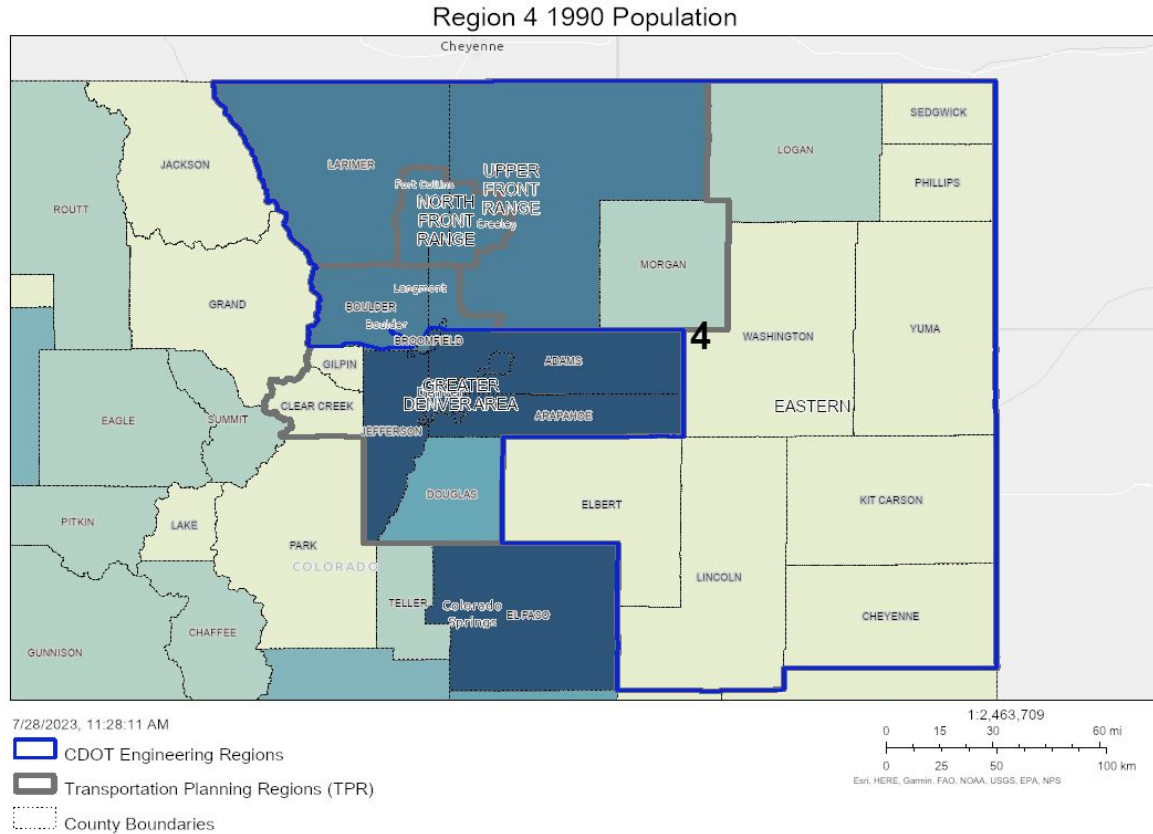


# Truck Vehicle Miles Traveled





# 1990 Population by TPR

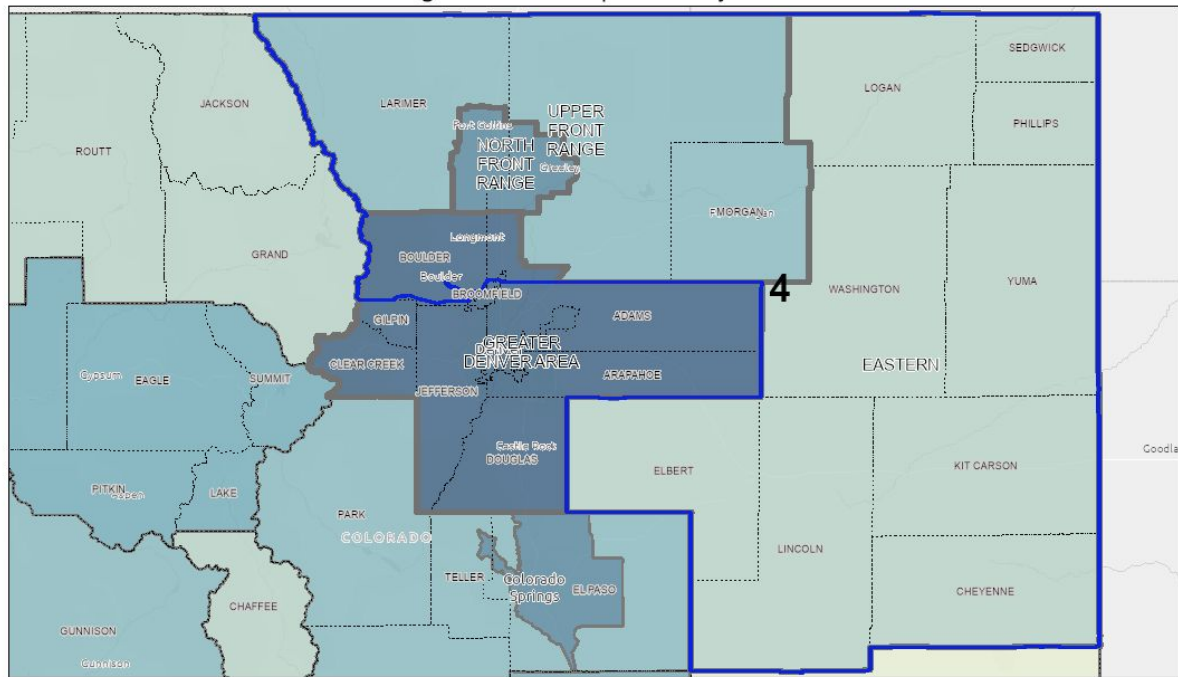






# 2021 Population by TPR

Region 4 2021 Population by TPR



7/31/2023, 11:50:17 AM

CDOT Engineering Regions

Transportation Planning Regions (TPR)

County Boundaries

2021 Population by TPR

> 21,318 – 47,443

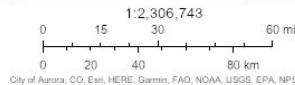
> 47,443 – 83,788

> 83,788 – 110,632

> 110,632 – 172,844

> 172,844 – 713,984

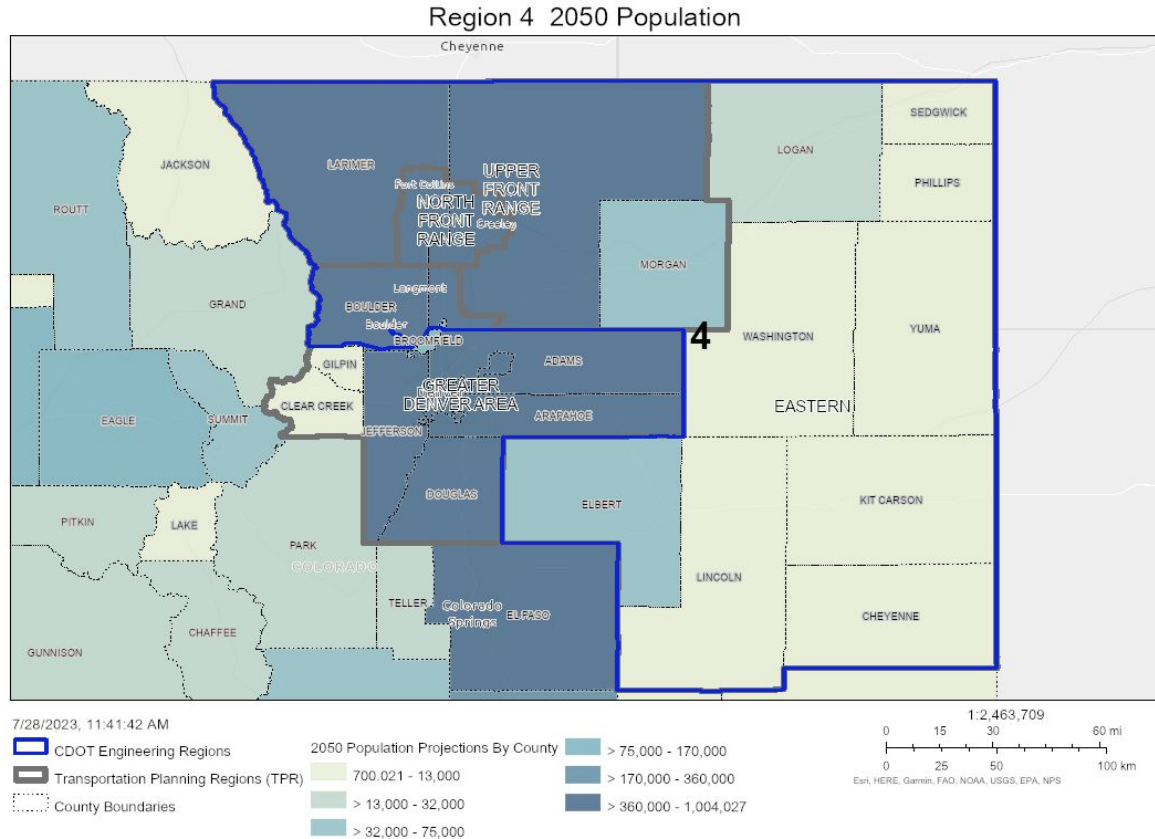
> 713,984 – 3,299,015



City of Aurora, CO, Esri, HERE, Garmin, FAO, NOAA, USGS, EPA, NPS

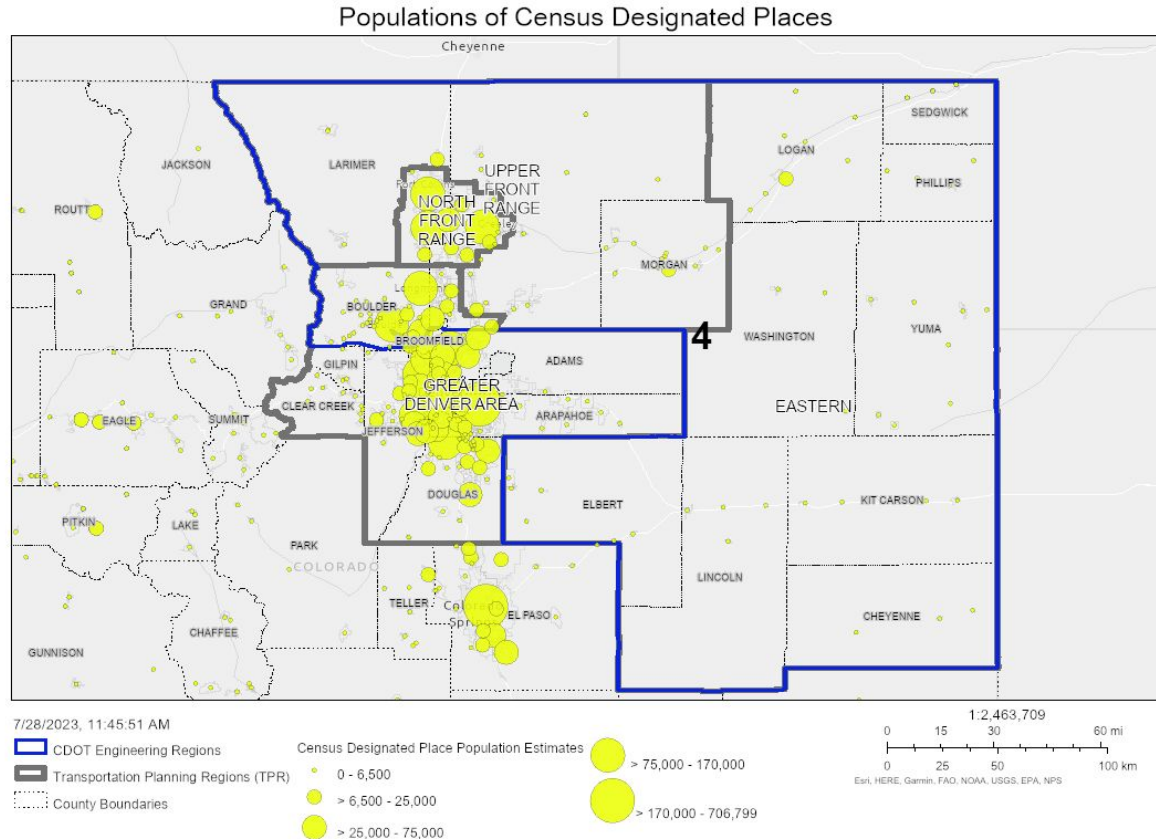


# 2050 Population by TPR





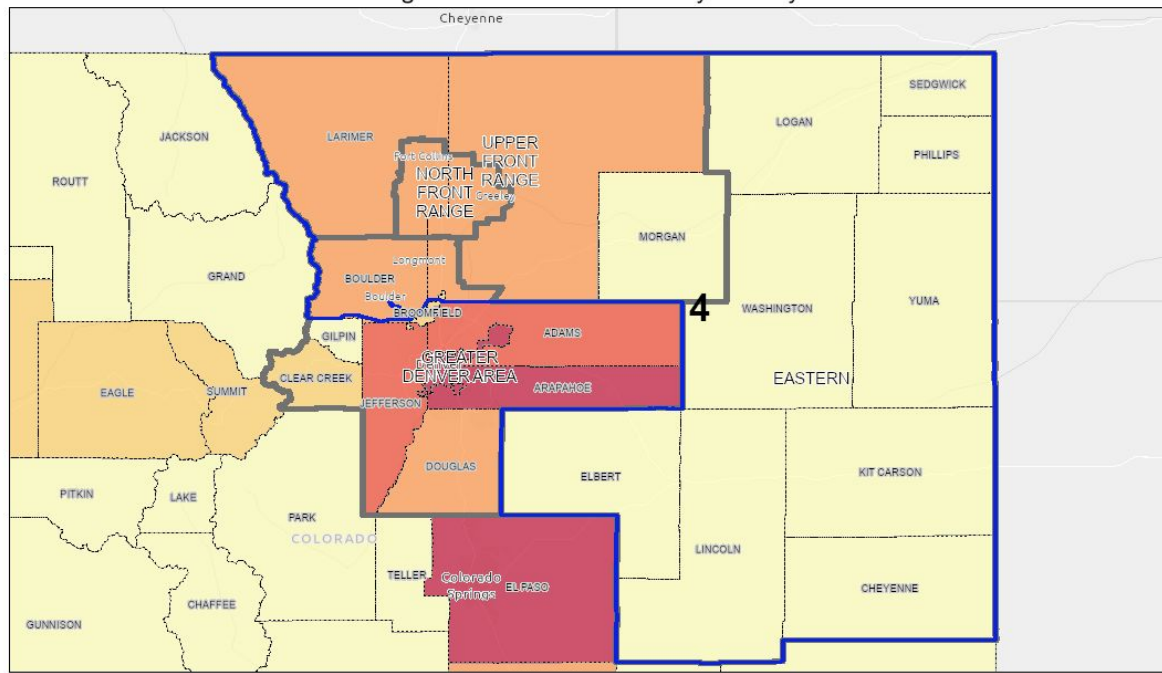
# Populations of Census Designated Places





# Vehicle Crashes by County

Region 4 Vehicle Crashes by County



7/28/2023, 11:47:03 AM

CDOT Engineering Regions

Transportation Planning Regions (TPR)

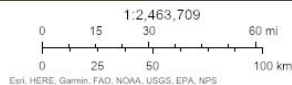
County Boundaries

Vehicle Crashes by County

1 - 119  
120 - 307

308 - 1281

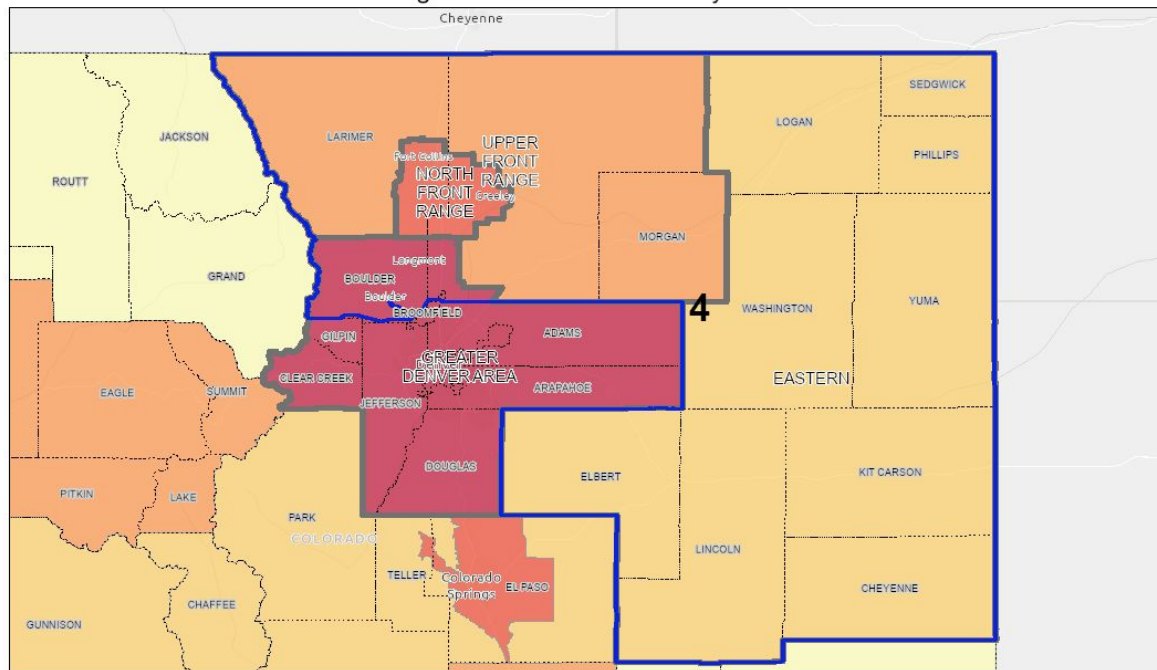
1282 - 2422  
2423 - 4682





# Vehicle Crashes by TPR

Region 4 Vehicle Crashes by TPR



7/28/2023, 11:48:01 AM

CDOT Engineering Regions

Transportation Planning Regions (TPR)

County Boundaries

Vehicle Crashes by TPR

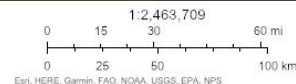
110 - 208

209 - 356

357 - 605

606 - 1614

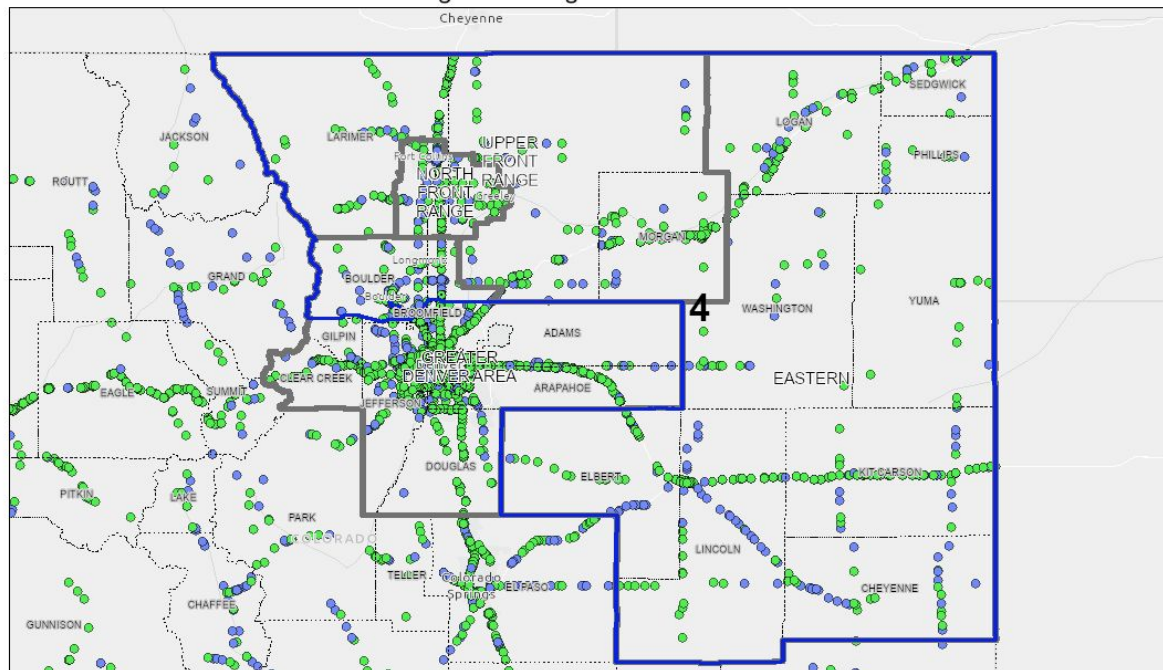
1615 - 8309



Esri, HERE, Garmin, FAO, NOAA, USGS, EPA, NPS




## Region 4 Bridges and Culverts



7/28/2023, 11:51:35 AM

 CDOT Engineering Regions

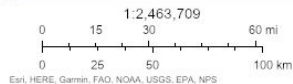
 Transportation Planning Regions (TPR)

 County Boundaries

Bridges and Major Culverts

 BRIDGE

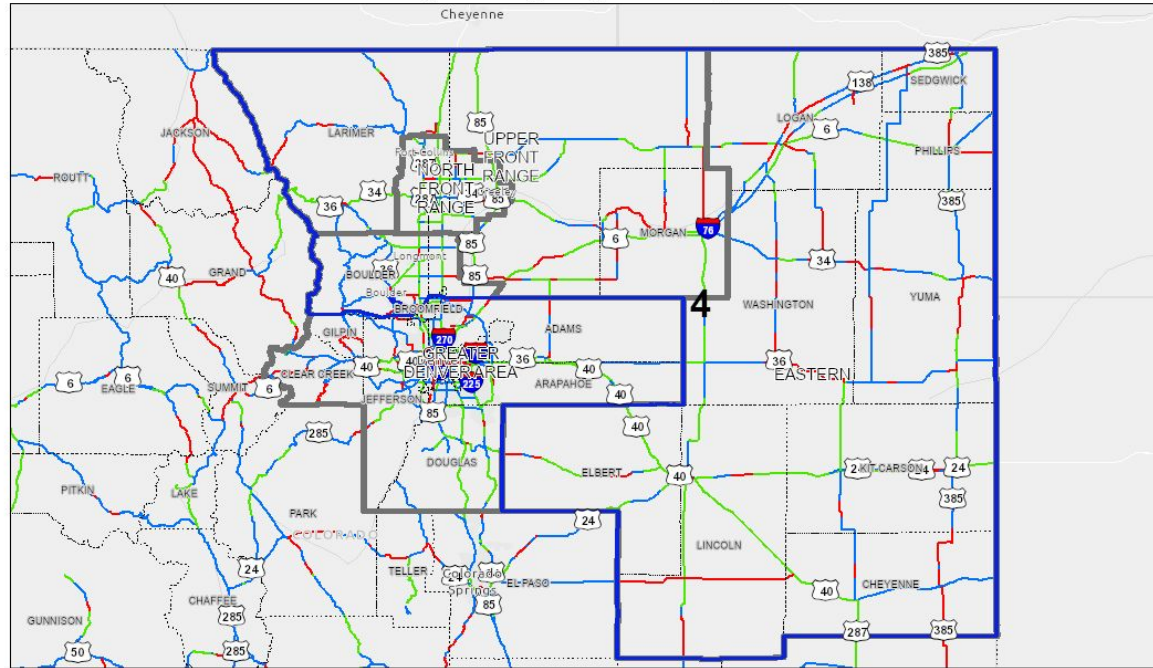
 CULVERT





# Highway Drivability Life

Region 4 Highway Drivability Life



7/28/2023, 12:00:04 PM

- Highways for Anno
- CDOT Engineering Regions
- Transportation Planning Regions (TPR)

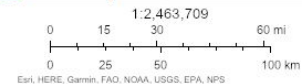
County Boundaries

Highways: Drivability Life

HIGH

MODERATE

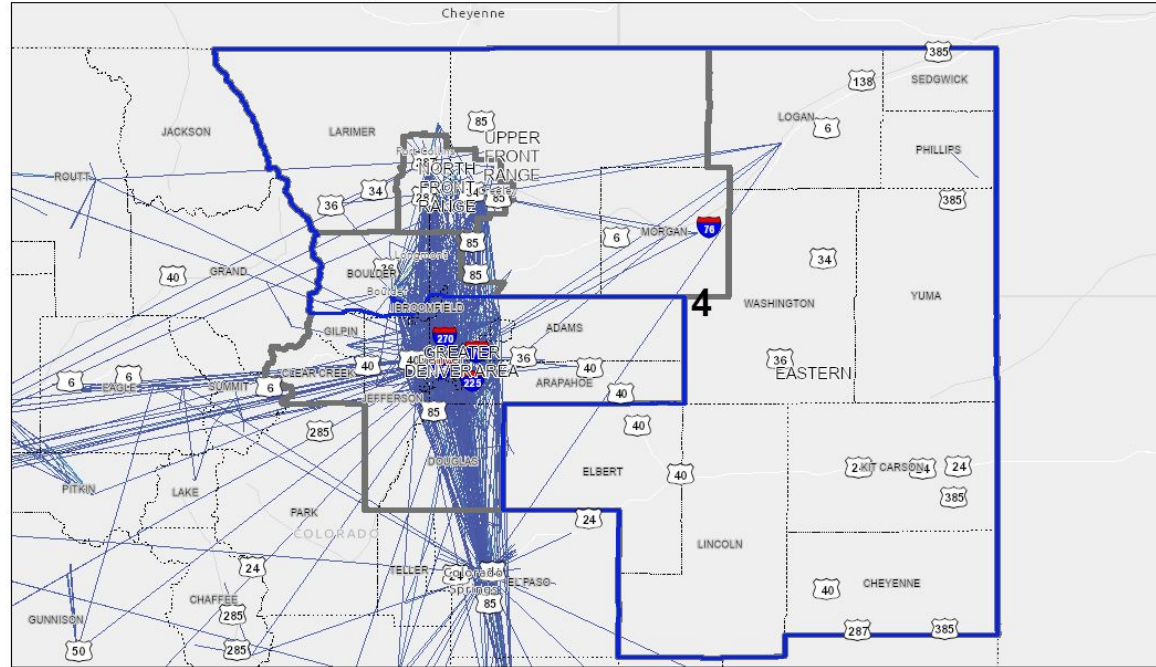
LOW



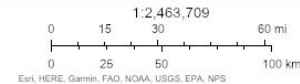
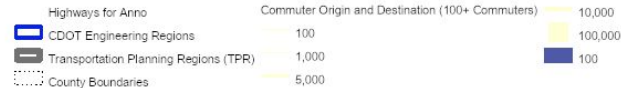


# Commuter Origin and Destination

Region 4 Commuter Origin and Destination



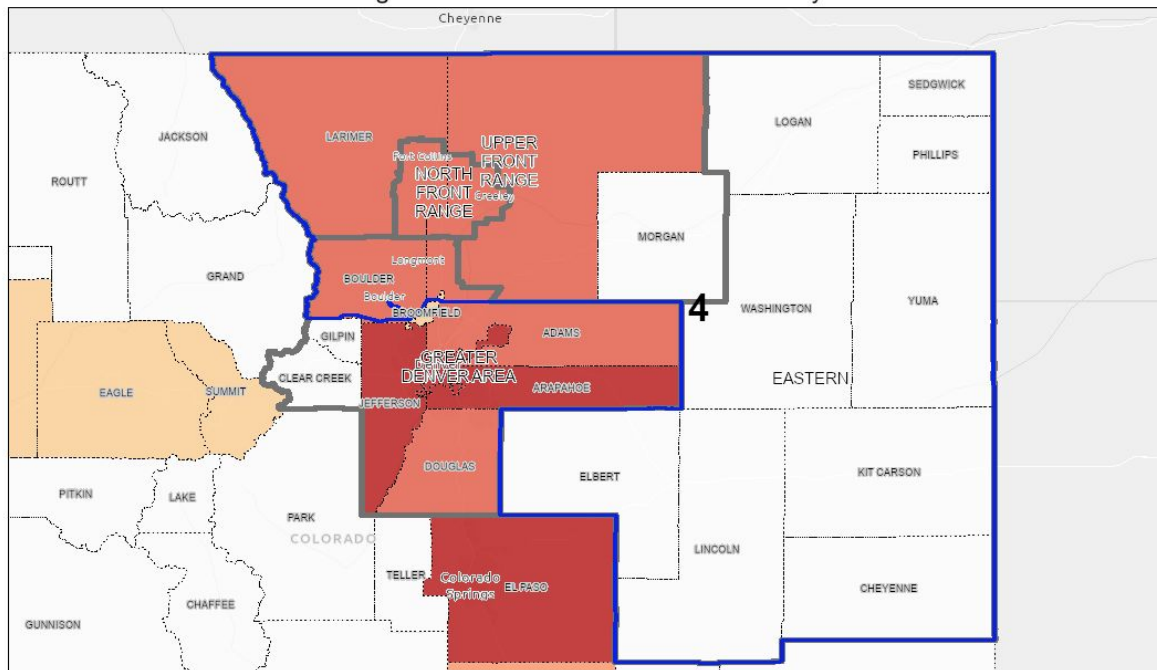
7/28/2023, 12:01:50 PM





# Commuters from Out of County

Region 4 Commuters from Out of County



7/28/2023, 12:03:08 PM

CDOT Engineering Regions

Transportation Planning Regions (TPR)

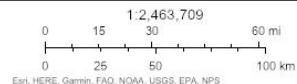
County Boundaries

County Level Commuters (commuters flowing into the county)

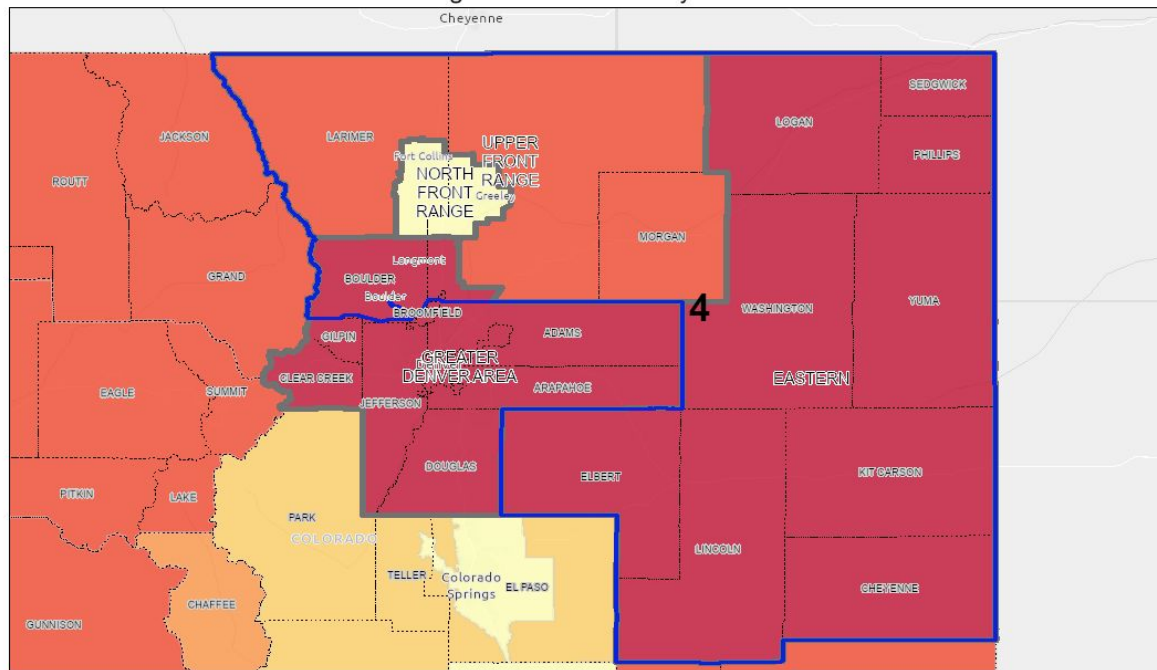
292 – 13,808

> 13,808 – 31,202

> 31,202 – 66,836



Region 4 Lane Miles by TPR



7/28/2023, 12:04:19 PM

CDOT Engineering Regions

Transportation Planning Regions (TPR)

County Boundaries

Lane Miles per TPR

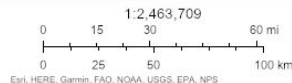
640.7 - 750

> 750 - 1,250

> 1,250 - 1,500

> 1,500 - 1,750

> 1,750 - 4,433.7



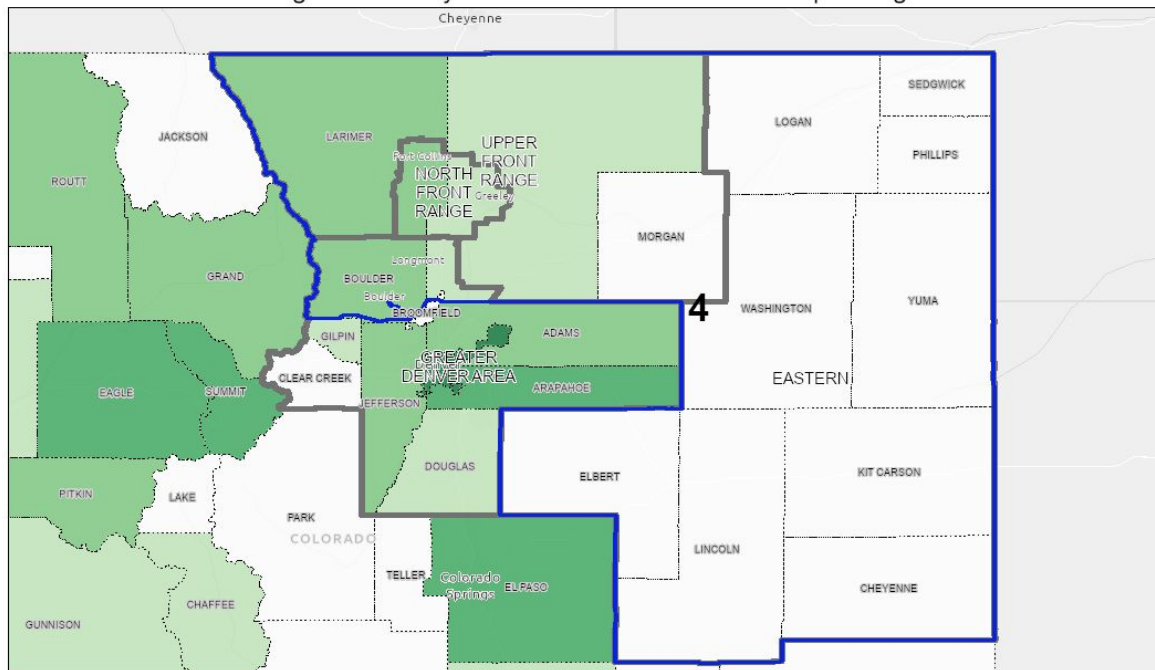
Esri, HERE, Garmin, FAO, NOAA, USGS, EPA, NPS





# County Level Tourism Direct Travel Spending

Region 4 County Level Tourism Direct Travel Spending



7/28/2023, 12:05:50 PM

CDOT Engineering Regions

Transportation Planning Regions (TPR)

County Boundaries

County Level Tourism Statistics

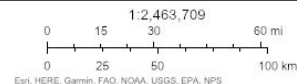
\$1,400,000 – \$153,800,000

\$153,800,000 – \$373,300,000

\$373,300,000 – \$830,000,000

\$830,000,000 – \$1,800,000,000

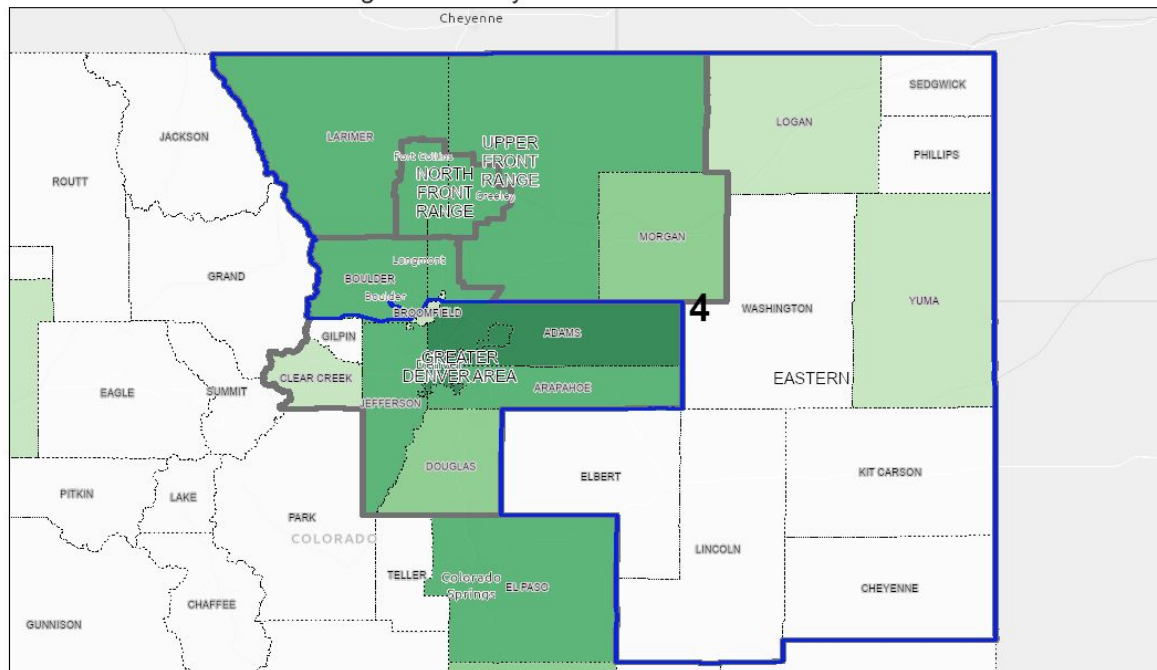
\$1,800,000,000 – \$6,399,999,999





# County Level Movement of Goods

Region 4 County Level Movement of Goods



7/28/2023, 12:06:52 PM

CDOT Engineering Regions

Transportation Planning Regions (TPR)

County Boundaries

County Level Movement of Goods

\$3,538,063.84 - \$712,000,000

\$712,000,000 - \$2,633,000,000

\$2,633,000,000 - \$10,598,000,000

\$10,598,000,000 - \$25,093,000,000

\$25,093,000,000 - \$67,737,000,000

1:2,463,709

0 15 30 60 mi

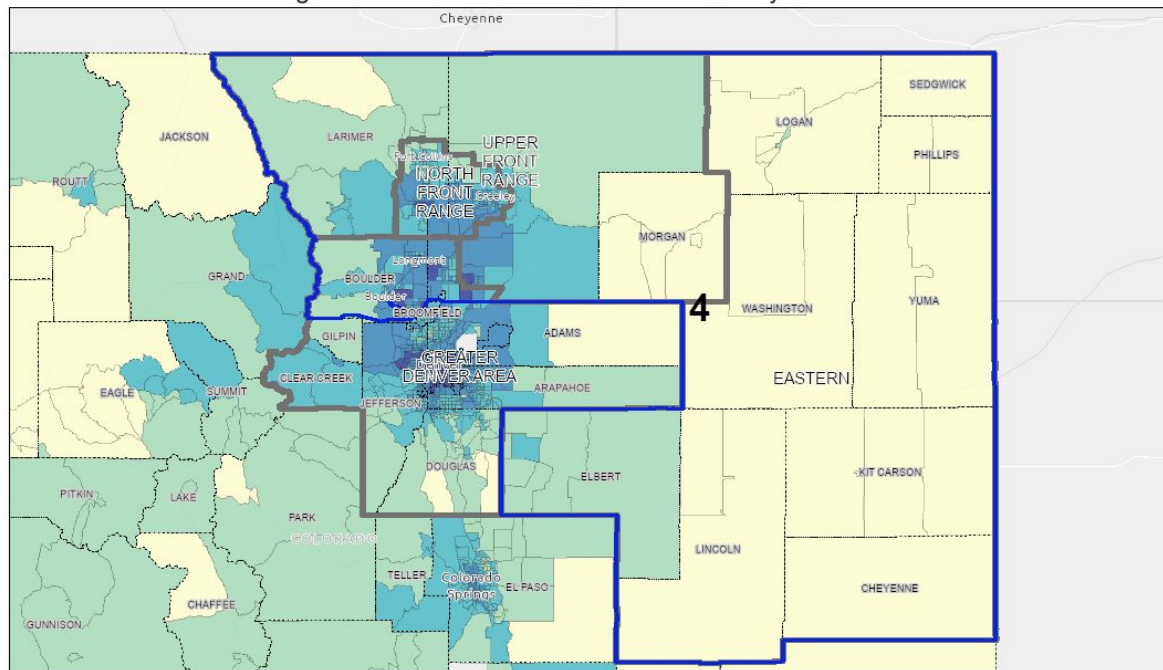
0 25 50 100 km

Esri, HERE, Garmin, FAO, NOAA, USGS, EPA, NPS



# Levels of Air Pollutants: Air Quality Measures

Region 4 Levels of Air Pollutants: Air Quality Measures



7/28/2023, 12:07:57 PM

CDOT Engineering Regions

Transportation Planning Regions (TPR)

County Boundaries

EnviroScreen Air Quality Measures

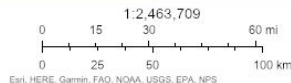
17.18 - 30

> 30 - 40

> 40 - 50

> 50 - 60

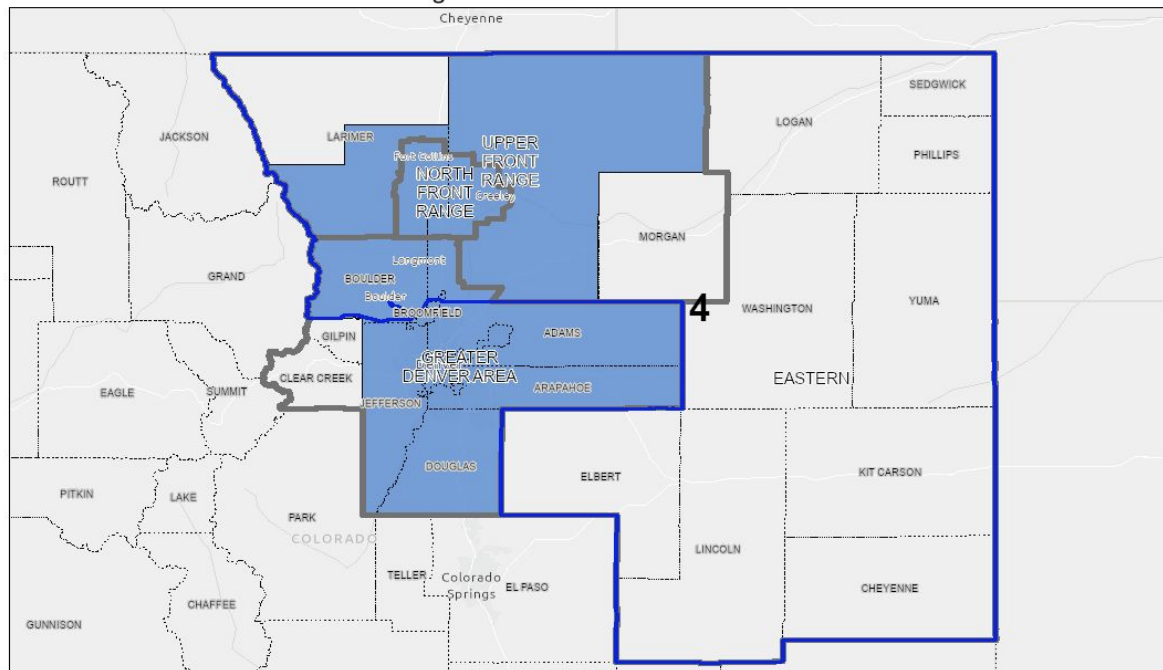
> 60 - 77.22





# Ozone Nonattainment

Region 4 Ozone Nonattainment



7/28/2023, 12:08:43 PM

- CDOT Engineering Regions
- County Boundaries
- Transportation Planning Regions (TPR)
- Ozone Nonattainment

