



COLORADO
Department of Transportation

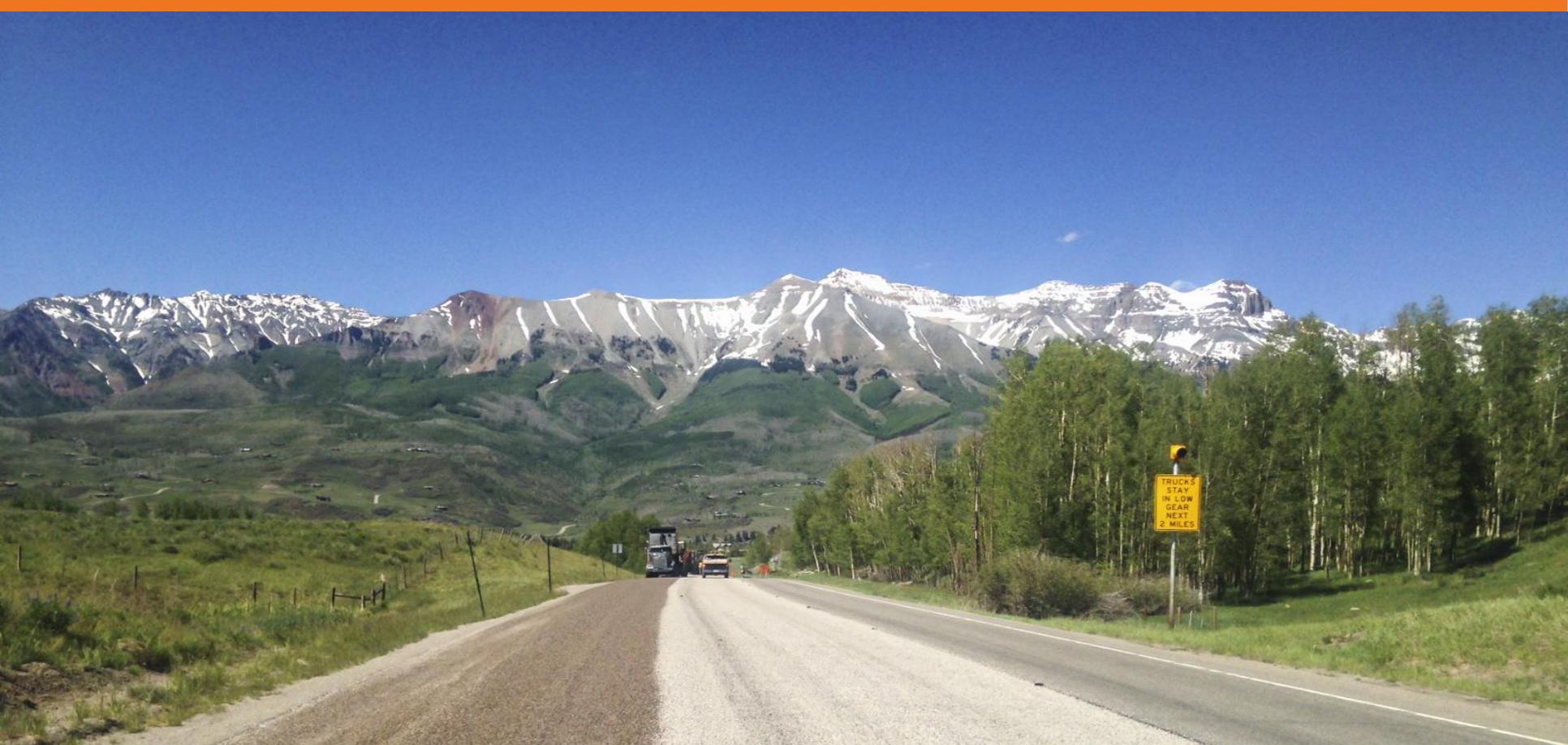
HB23-1101 TPR Study Maps

CDOT Region 5 Public Meeting

July 25, 2023

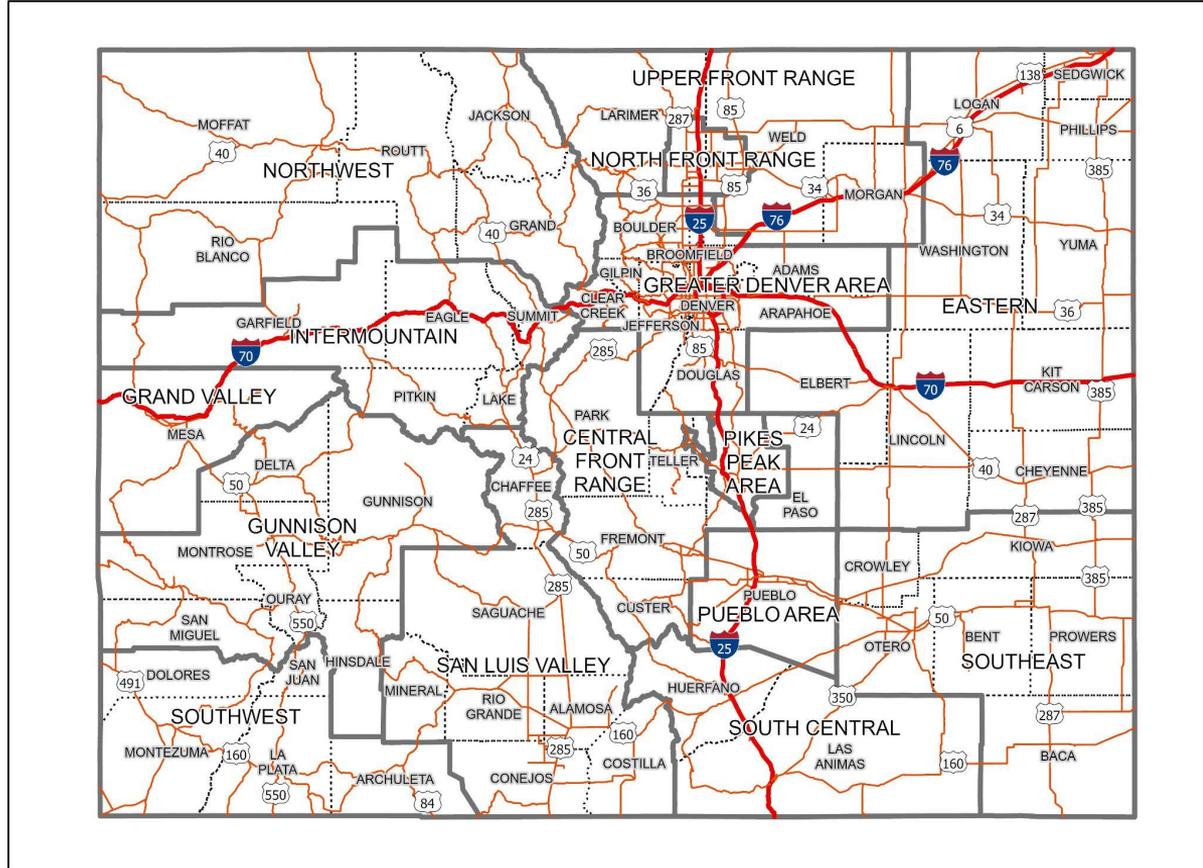


Statewide Maps





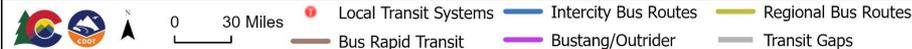
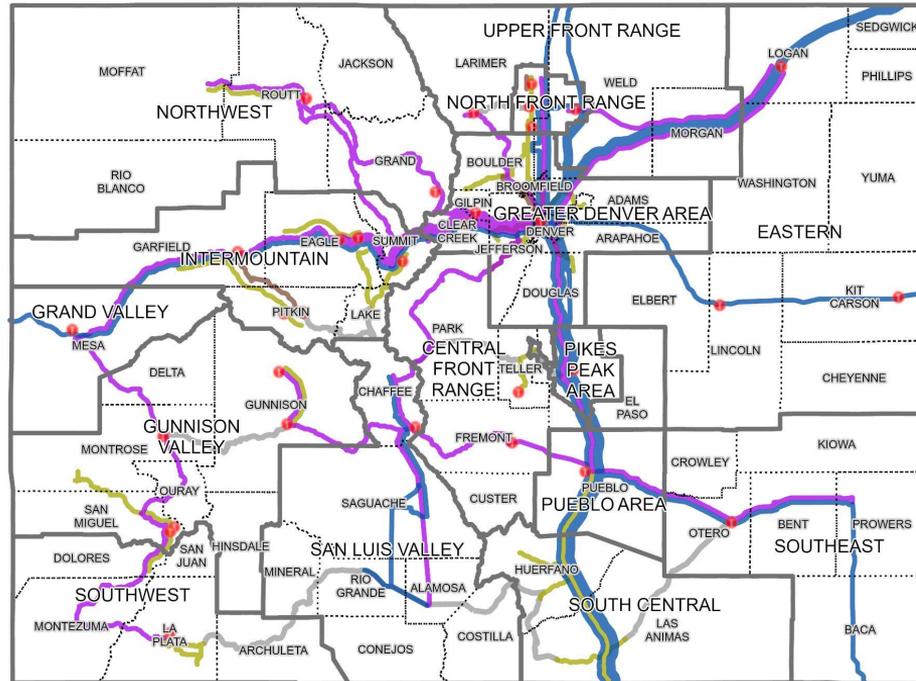
Highway Corridors





Transit Corridors

TPR Boundary Analysis - Colorado Transit Network
Statutory Requirement: Transit Corridors

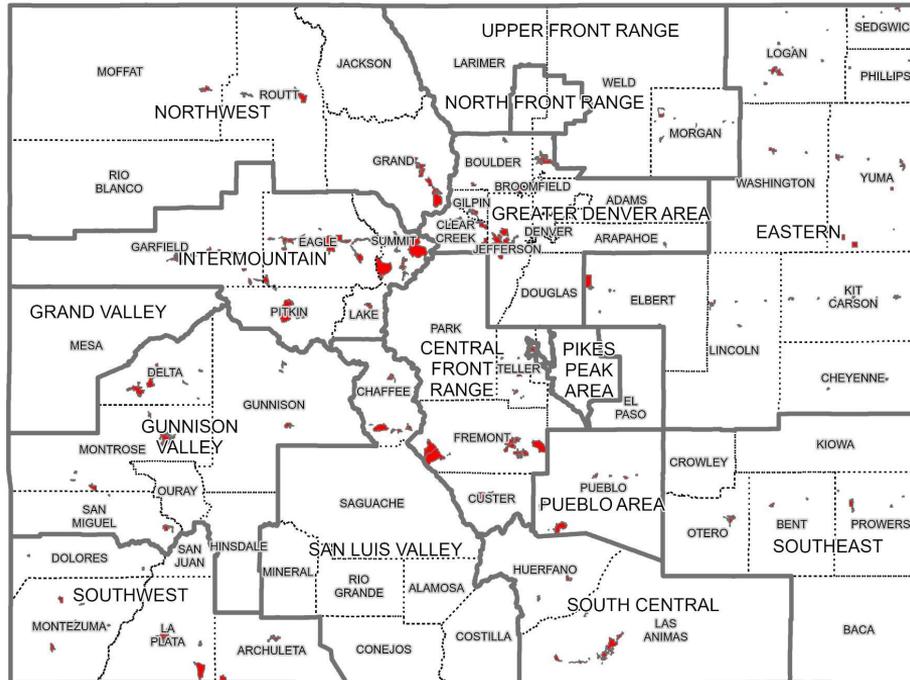


Source: CDOT 2021



Transit District Boundaries

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



0 30 Miles

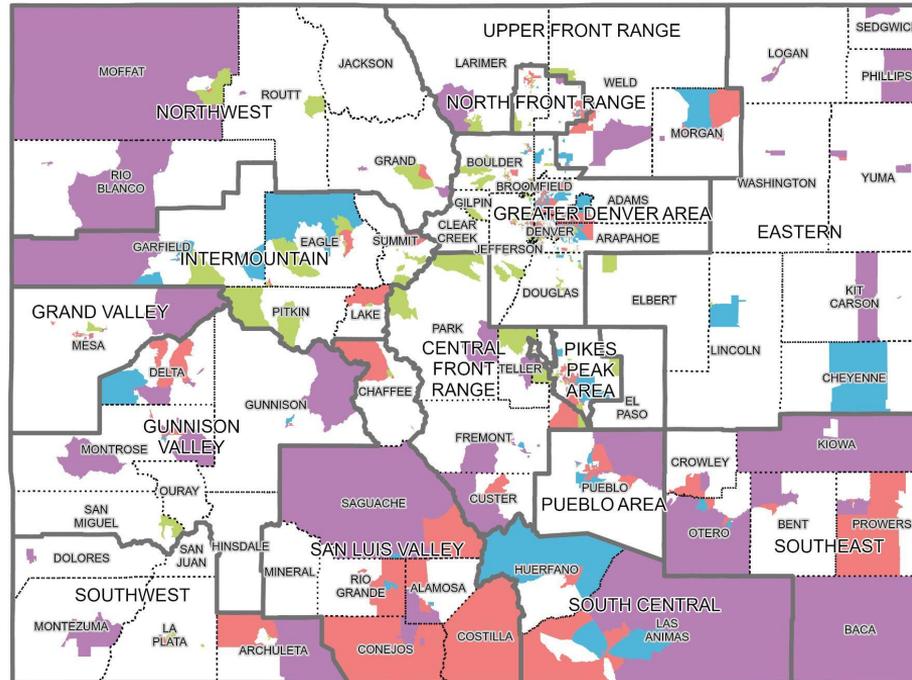
Transit Service Areas for Census Designated Places

Source: ACS 2015-2019



Disproportionately Impacted Communities

TPR Boundary Analysis - Disproportionately Impacted Communities
 Statutory Requirement: Disproportionately Impacted Communities



0 30 Miles

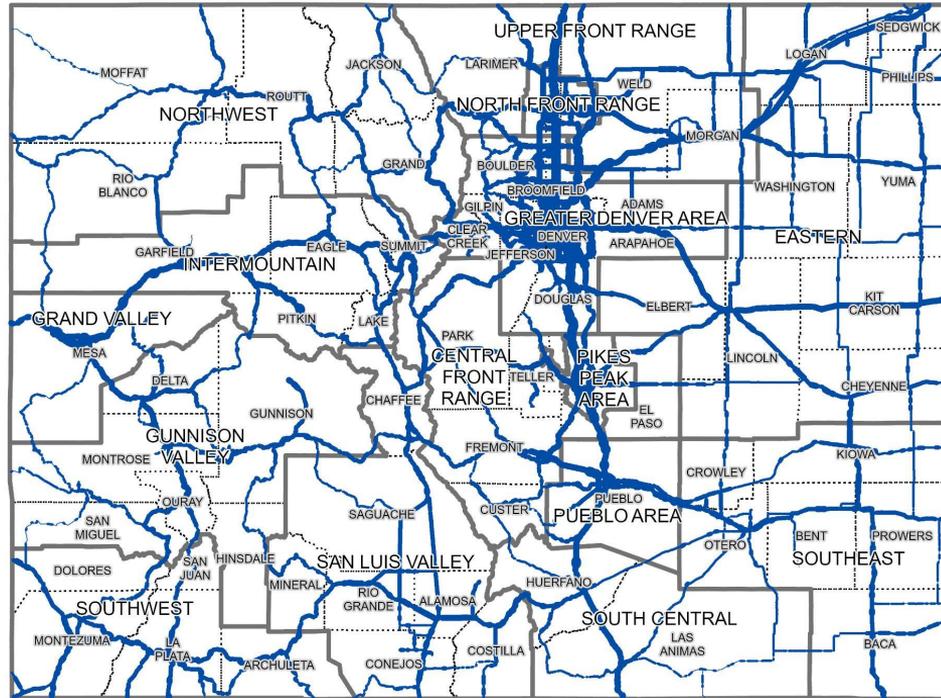
- More than one category
- Housing Burden
- People of Color
- Low Income

Source: CDPHE 2021



Vehicle Miles Traveled

TPR Boundary Analysis - Vehicle Miles Traveled
Statutory Requirement: Vehicle Miles Traveled



0 30 Miles

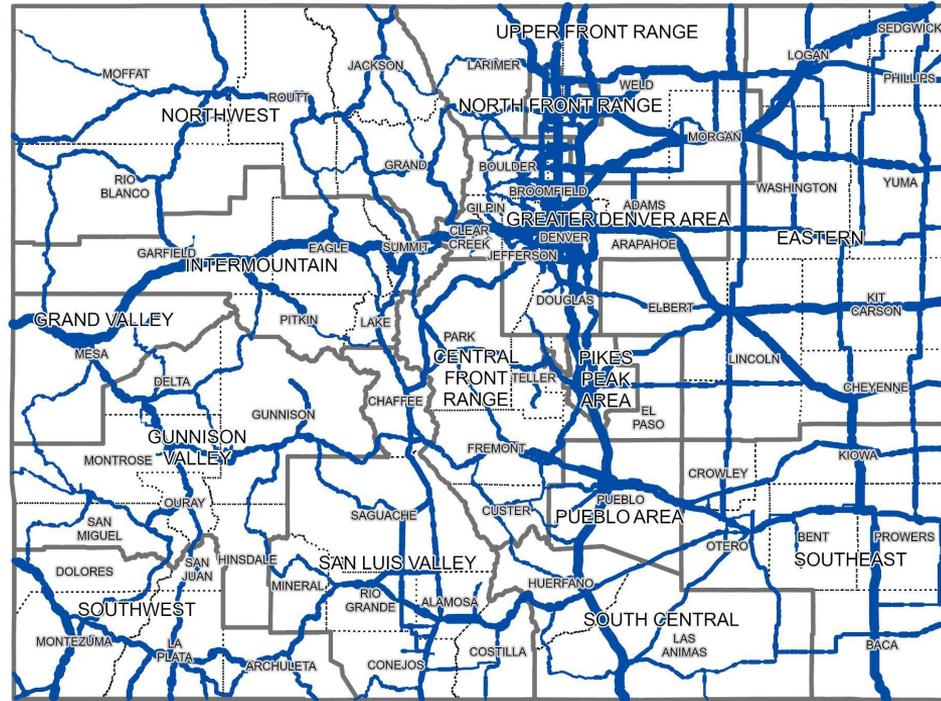
0 - 70 459 - 2601 14435 - 79794
71 - 458 2602 - 14434

Source: CDOT 2021
VMT = traffic volume of the roadway segment multiplied by the length of the roadway segment



Truck Vehicle Miles Traveled

TPR Boundary Analysis - Truck Vehicle Miles Traveled
Statutory Requirement: Truck Vehicle Miles Traveled



0 30 Miles

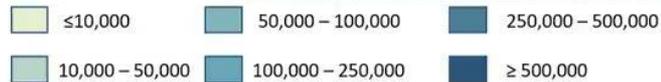
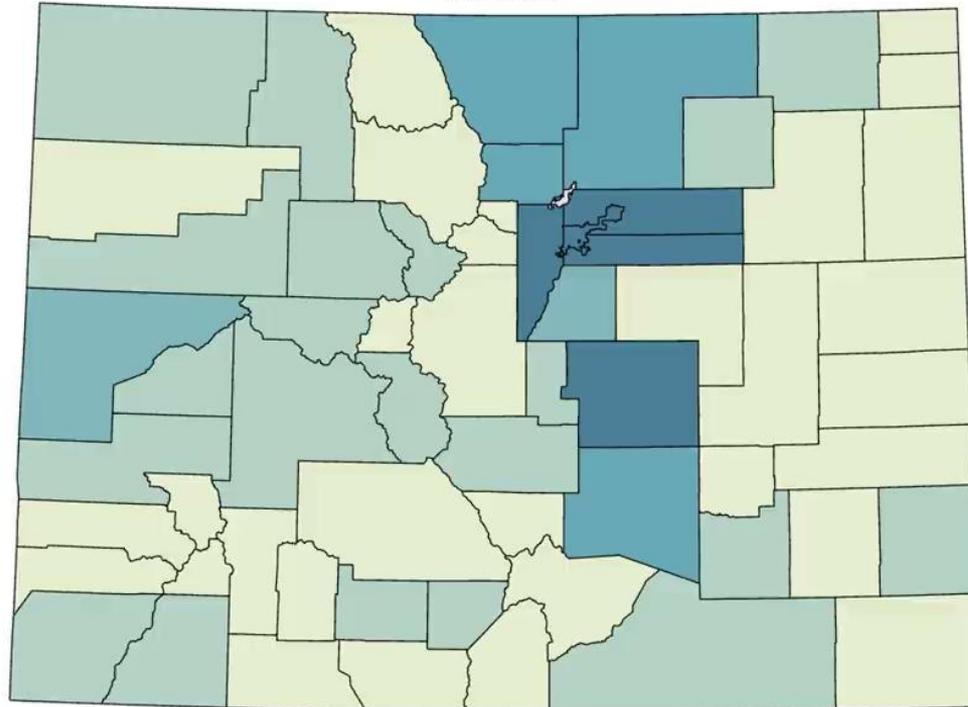


Source: CDOT 2021
Truck VMT = truck traffic volume of the roadway segment, multiplied by the length of the roadway segment



Visualization of Population Change by County

1990

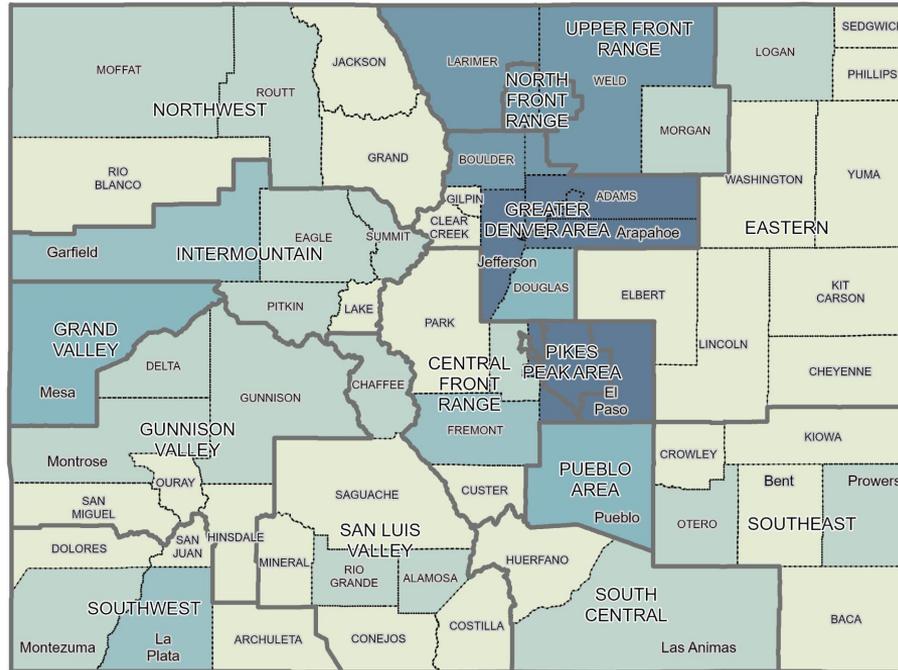




1990 Population by County

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

130,001 - 265,000

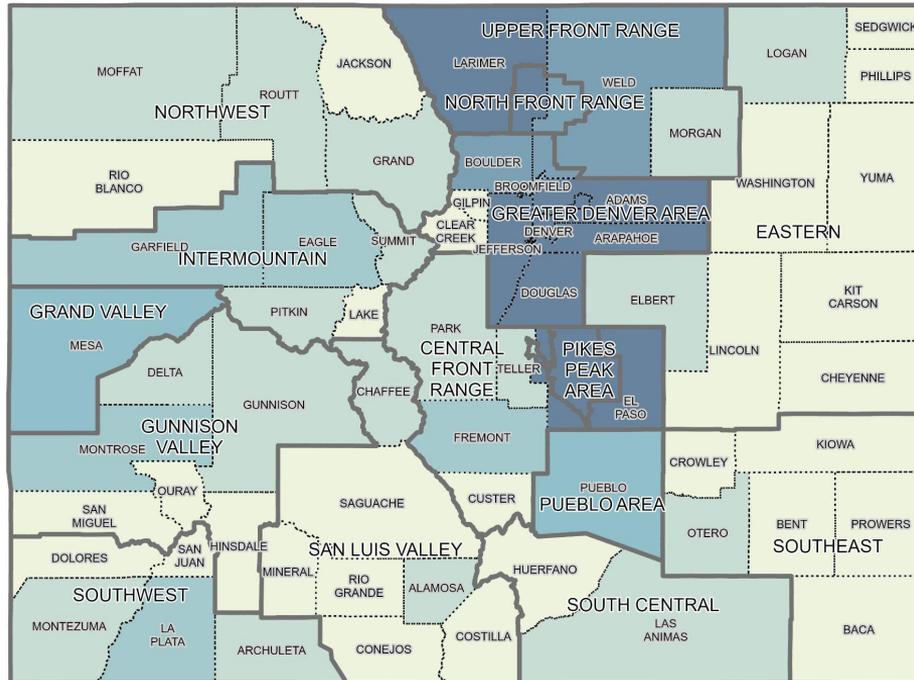
265,001 - 467,610

Source: US Census 1990



2021 Population by County

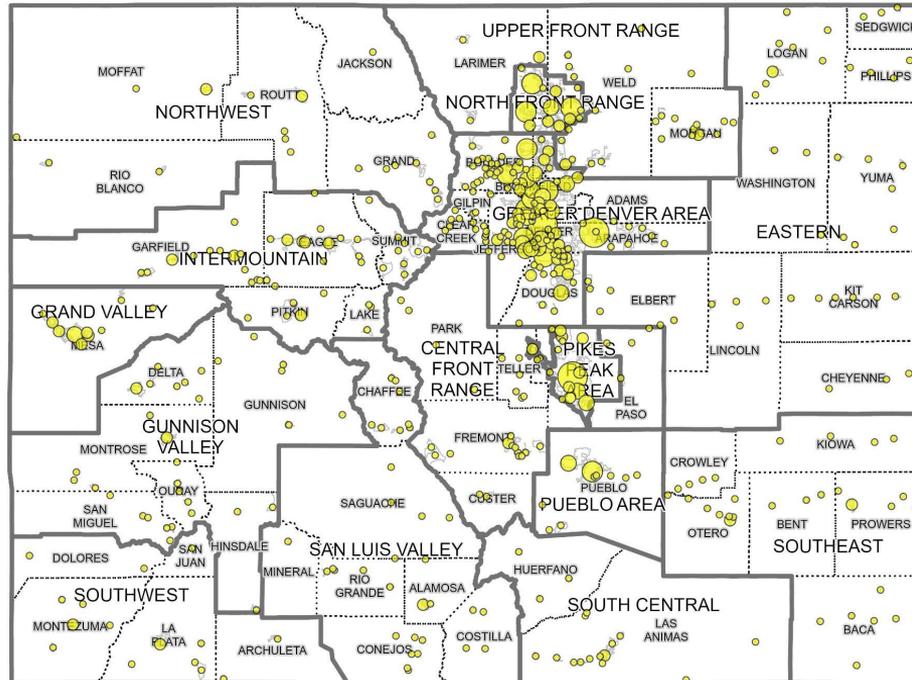
TPR Boundary Analysis - 2021 Population by County
 Statutory Requirement: Population Trends



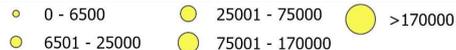


Populations of Census Designated Places

TPR Boundary Analysis - Population of Census Designated Places
Statutory Requirement: Population Trends



0 30 Miles

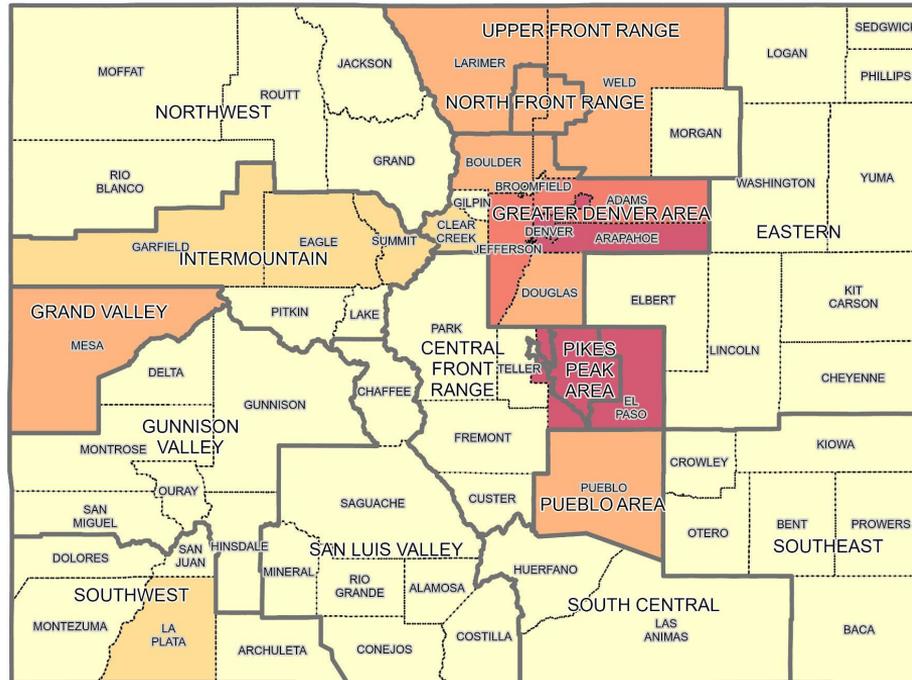


Source: US Census 2021



Vehicle Crashes by County

TPR Boundary Analysis - Vehicle Crashes by County
 Statutory Requirement: Safety and Management Considerations



0 30 Miles



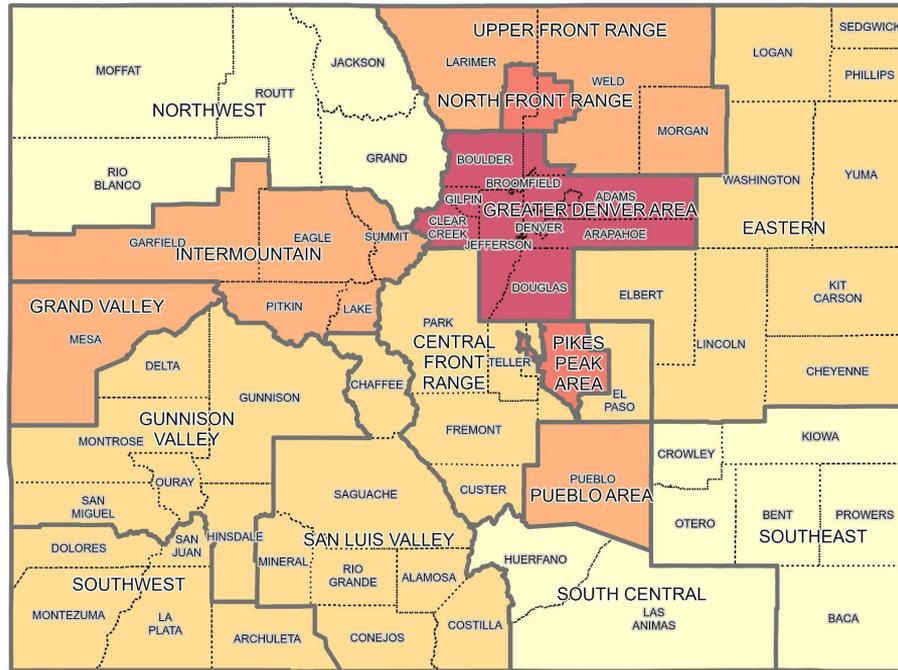
Source: CDOT 2021



Vehicle Crashes by TPR

TPR Boundary Analysis - Vehicle Crashes by TPR

Statutory Requirement: Safety and Management Considerations



0 30 Miles

110 - 208

209 - 356

357 - 605

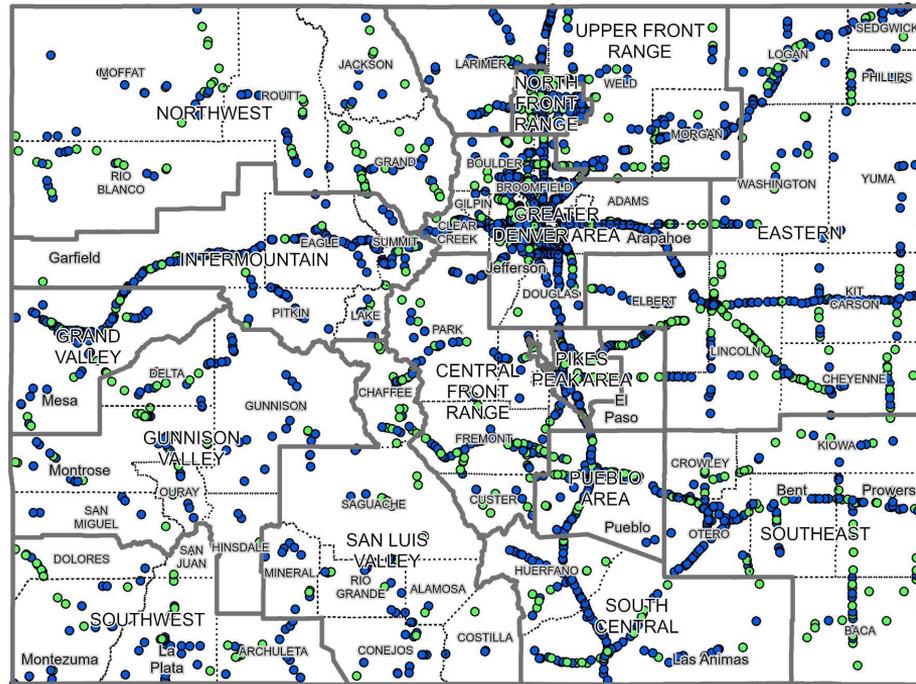
606 - 1614

1615 - 8309

Source: CDOT 2021

TPR Boundary Analysis - Bridges and Major Culverts

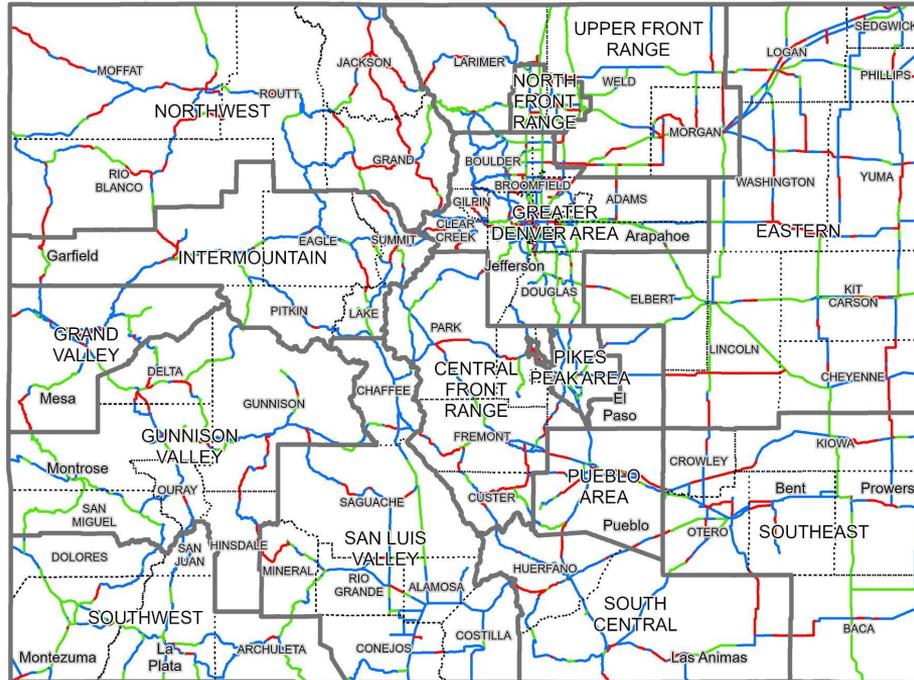
Statutory Requirement: Safety and Management Considerations





Highway Drivability Life

TPR Boundary Analysis - Highways: Drivability Life Statutory Requirement: Safety and Management Considerations



0 30 Miles

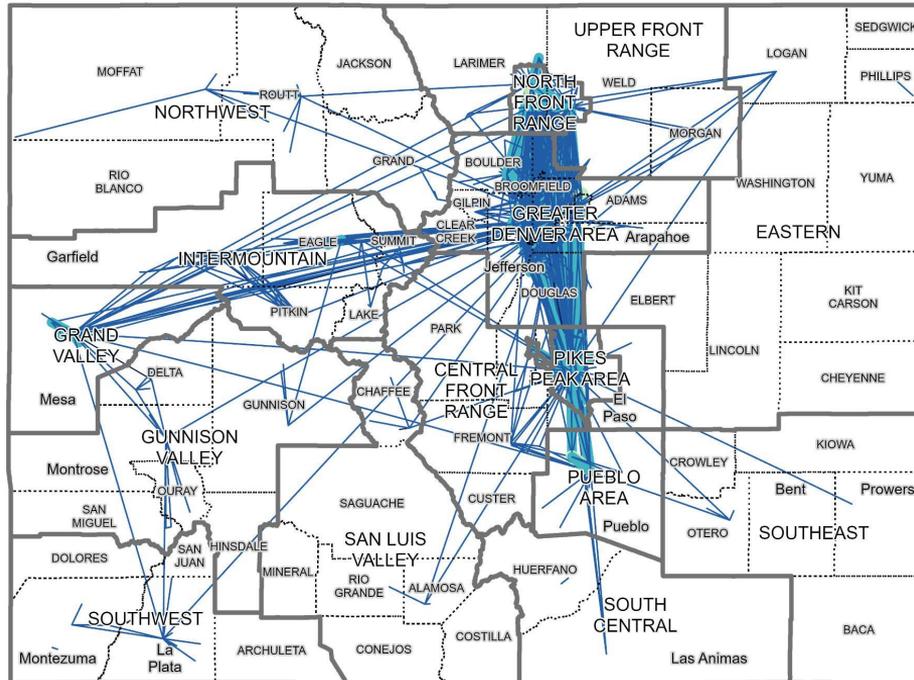
— HIGH
— MODERATE
— LOW
— DL not calculated

Source: CDOT 2021

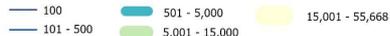


Commuter Origin and Destination

TPR Boundary Analysis - Commuter Origin and Destination (100+ Commuters)
 Statutory Requirement: Commuting



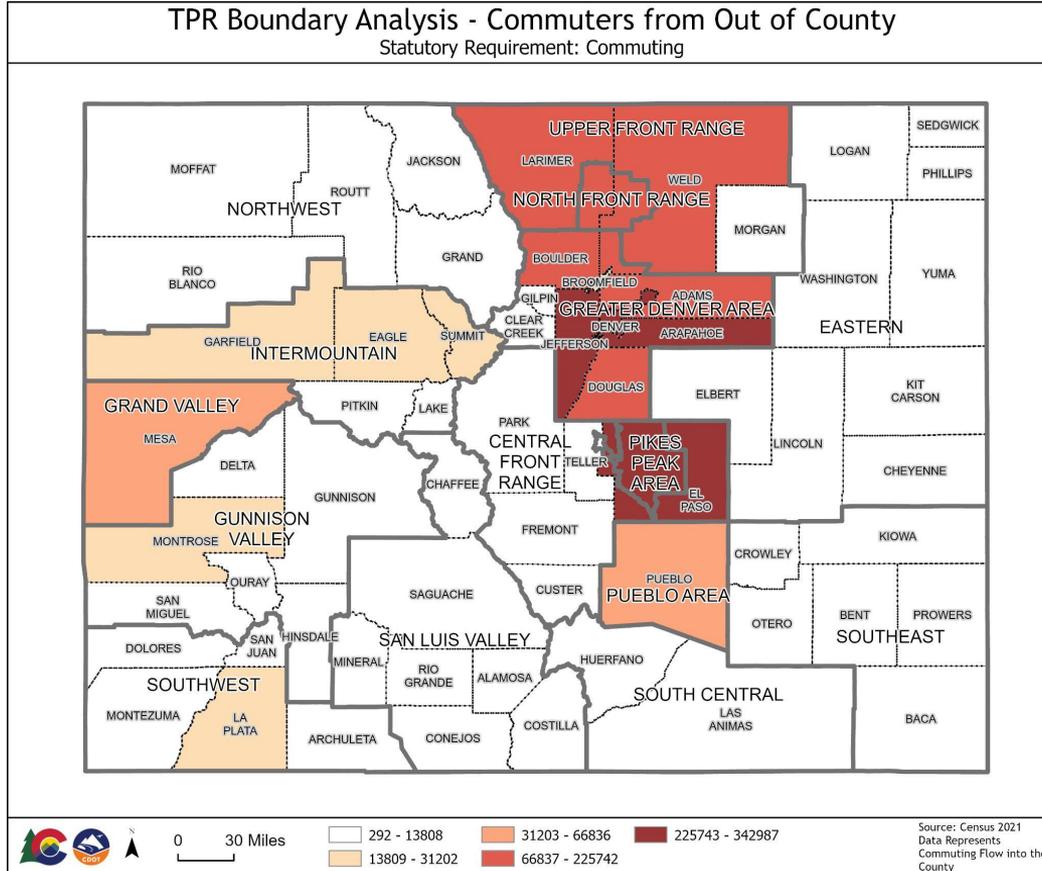
0 30 Miles



Source: US Census 2019



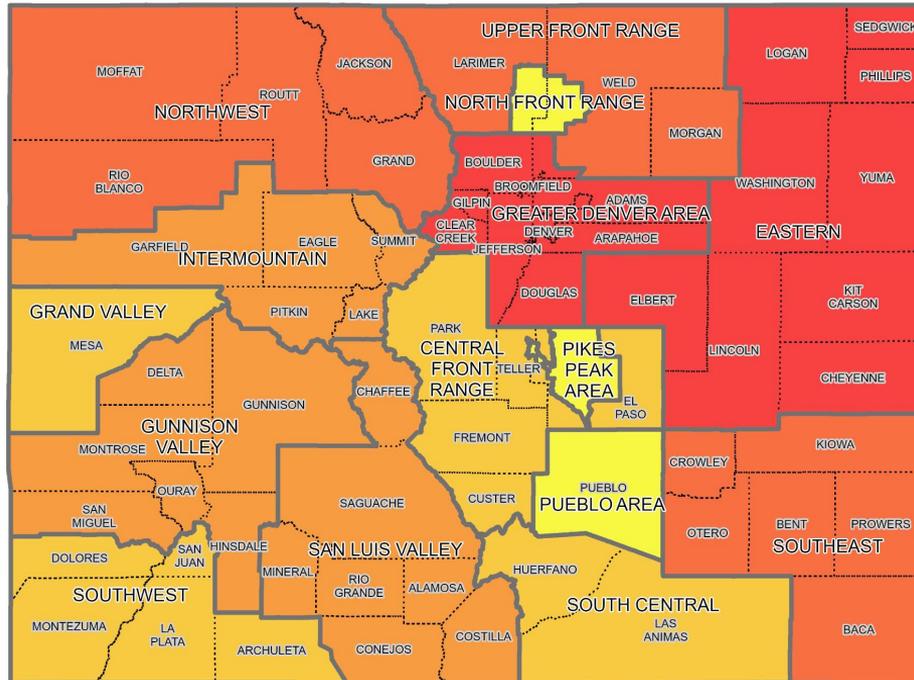
Commuters from Out of County





Lane Miles by TPR

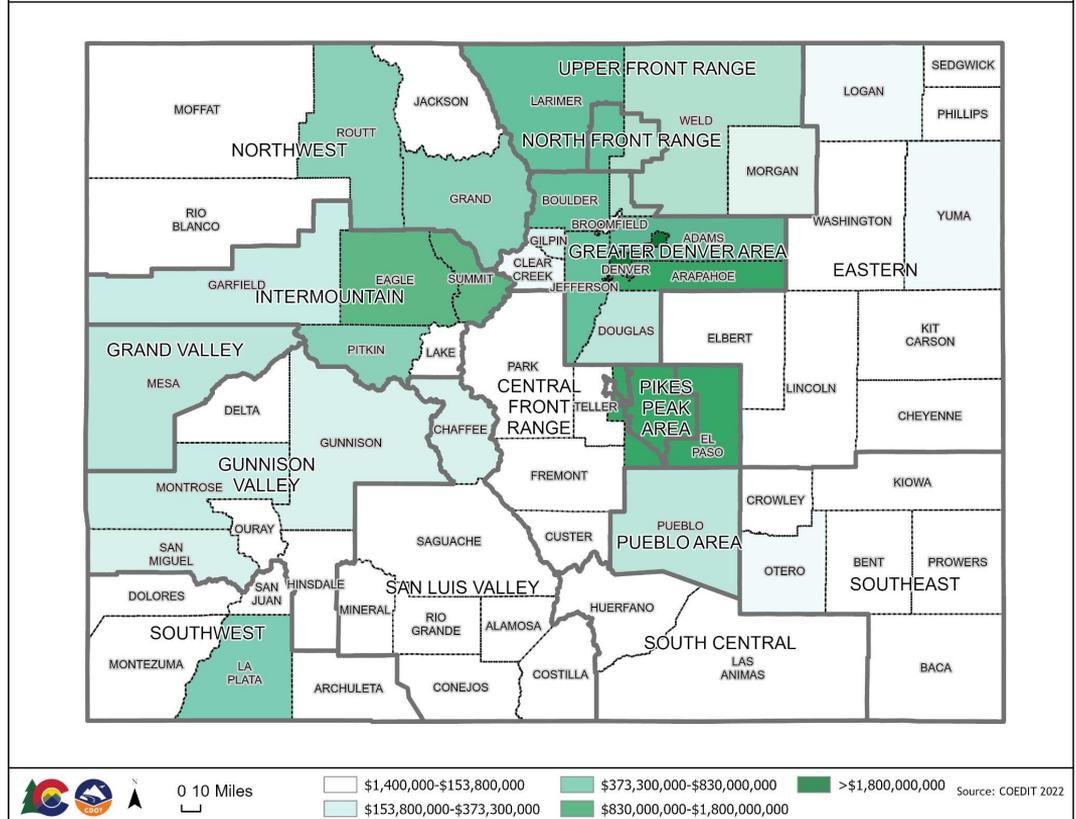
TPR Boundary Analysis - Lane Miles by TPR
Statutory Requirement: Lane Miles





County Level Tourism Direct Travel Spending

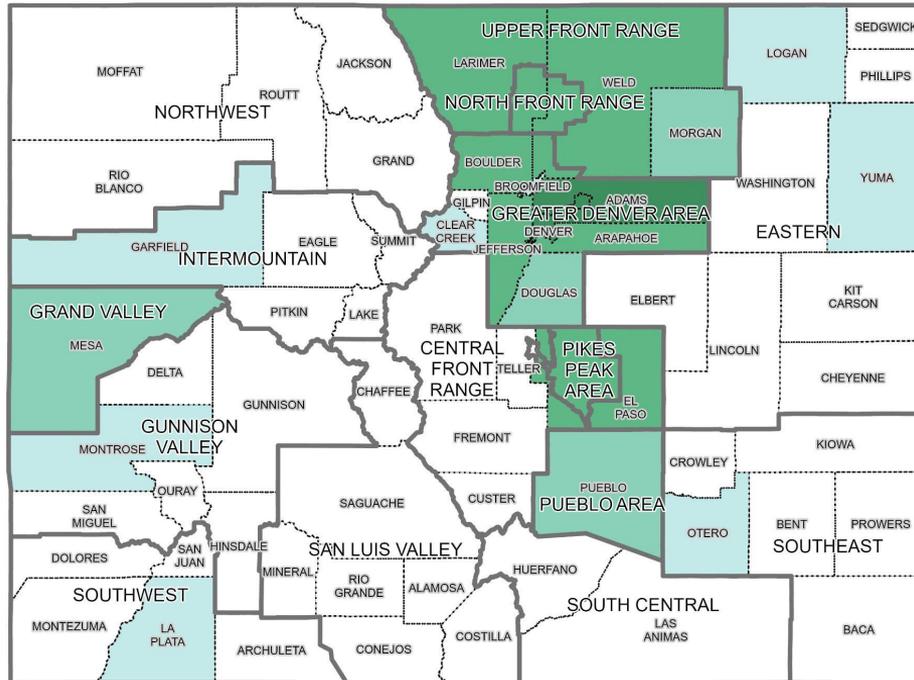
TPR Boundary Analysis - County Level Tourism Statistics (Direct Travel Spending)
 Statutory Requirement: Tourism Impacts





County Level Movement of Goods

TPR Boundary Analysis - County Level Movement of Goods
 Statutory Requirement: Freight Movement

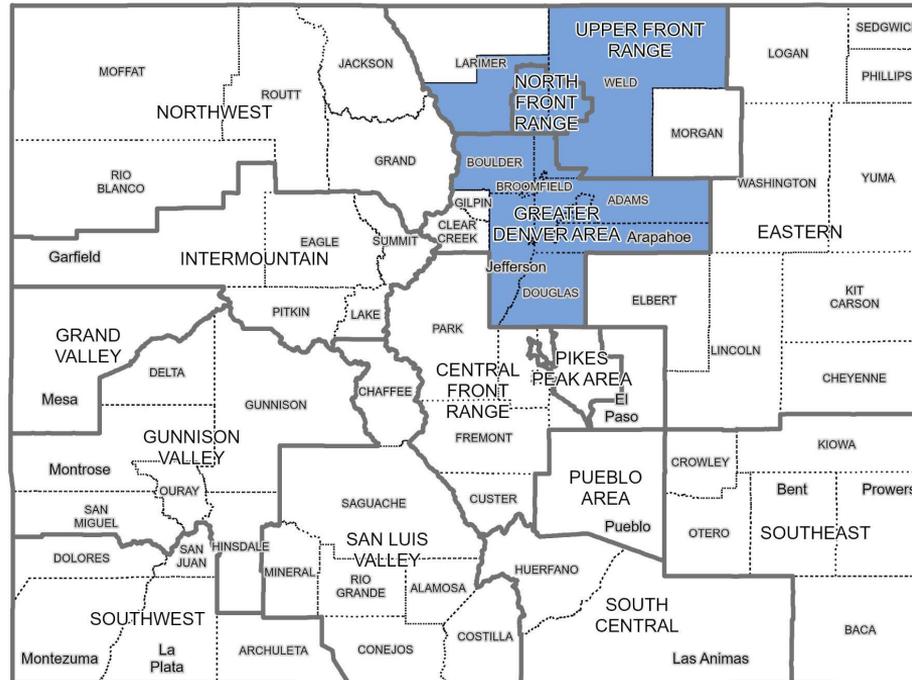




Ozone Nonattainment

TPR Boundary Analysis - Ozone Nonattainment

Statutory Requirement: Levels of Air Pollutants



0 30 Miles

 Ozone Nonattainment

Source: CDOT 2021

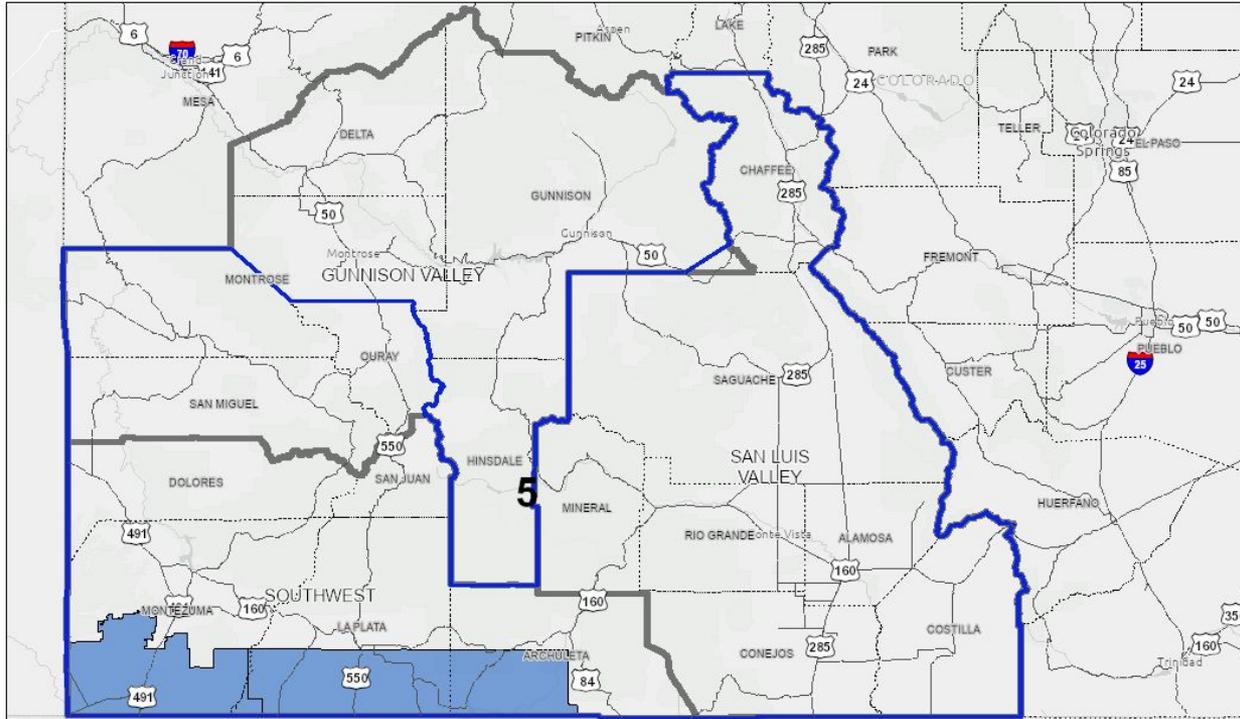


TPR Level Regional Maps



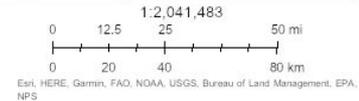


Highway Corridors



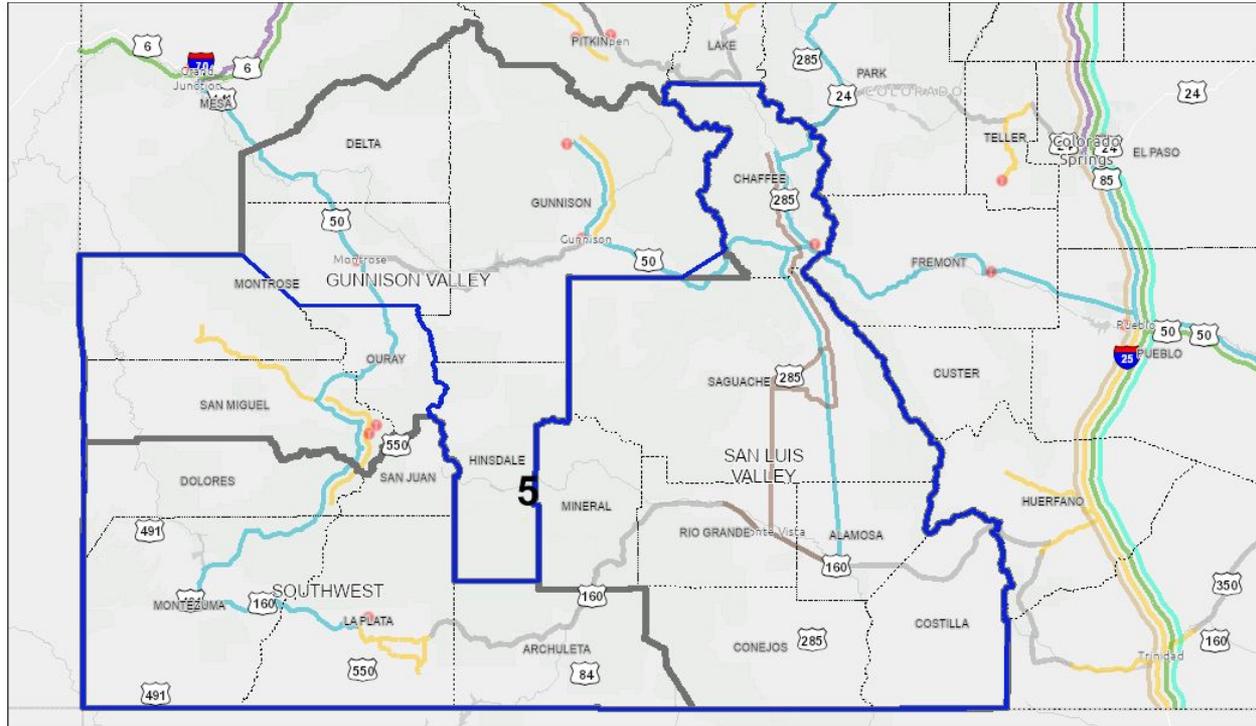
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- Highways for Anno
- Highways
- CDOT Engineering Regions
- Transportation Planning Regions (TPR)
- County Boundaries
- Ute Mountain Ute Reservation
- Southern Ute Reservation



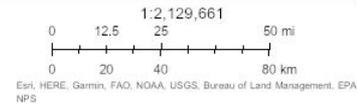


Transit Corridors



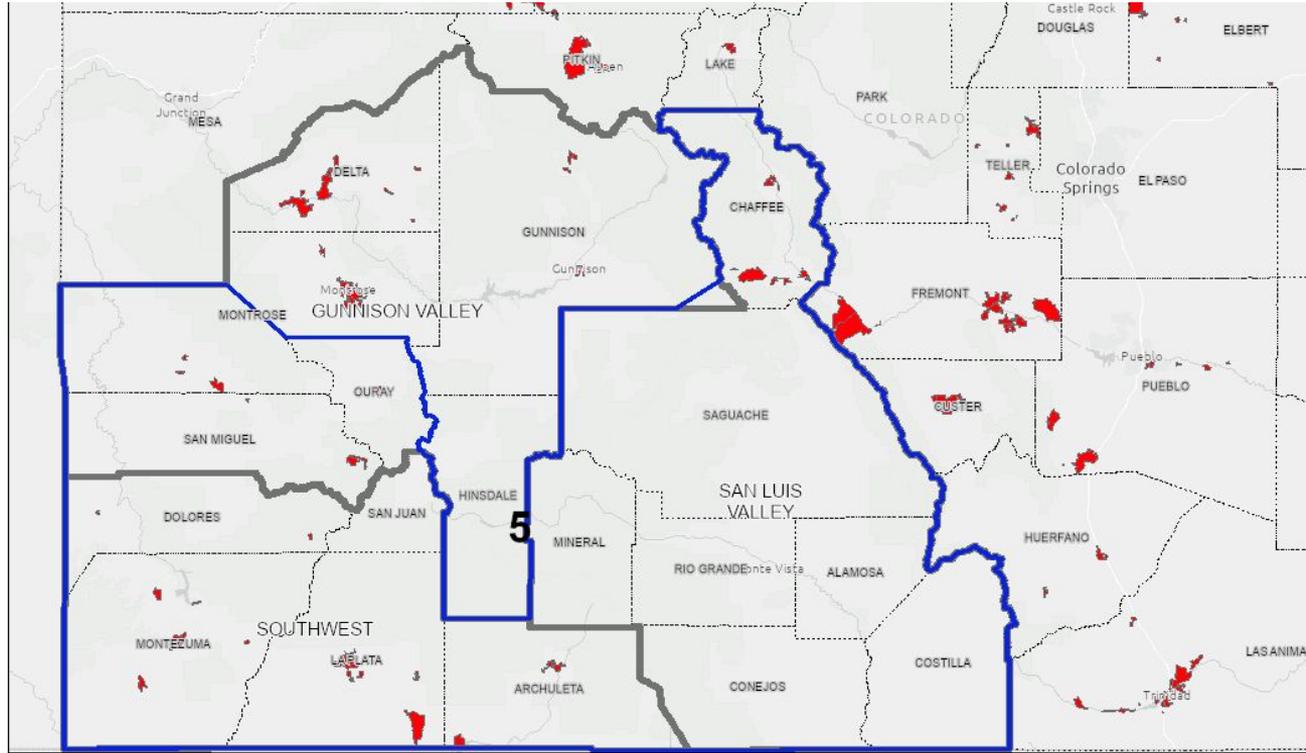
7/20/2023, 1:23:46 PM

- Highways for Anno
- CDOT Engineering Regions
- Transportation Planning Regions (TPR)
- County Boundaries
- Local Transit Systems
- Bus Rapid Transit
- VelociRFTA: Aspen to Glenwood Springs
- Intercity Bus Routes
- Chaffee Shuttle
- El Paso-Los Angeles Limousine Express
- Greyhound



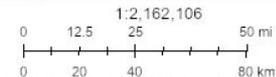


Transit District Boundaries



7/19/2023, 4:15:11 PM

- CDOT Engineering Regions
- County Boundaries
- Transportation Planning Regions (TPR)
- Transit Service Areas for Census Designated Places

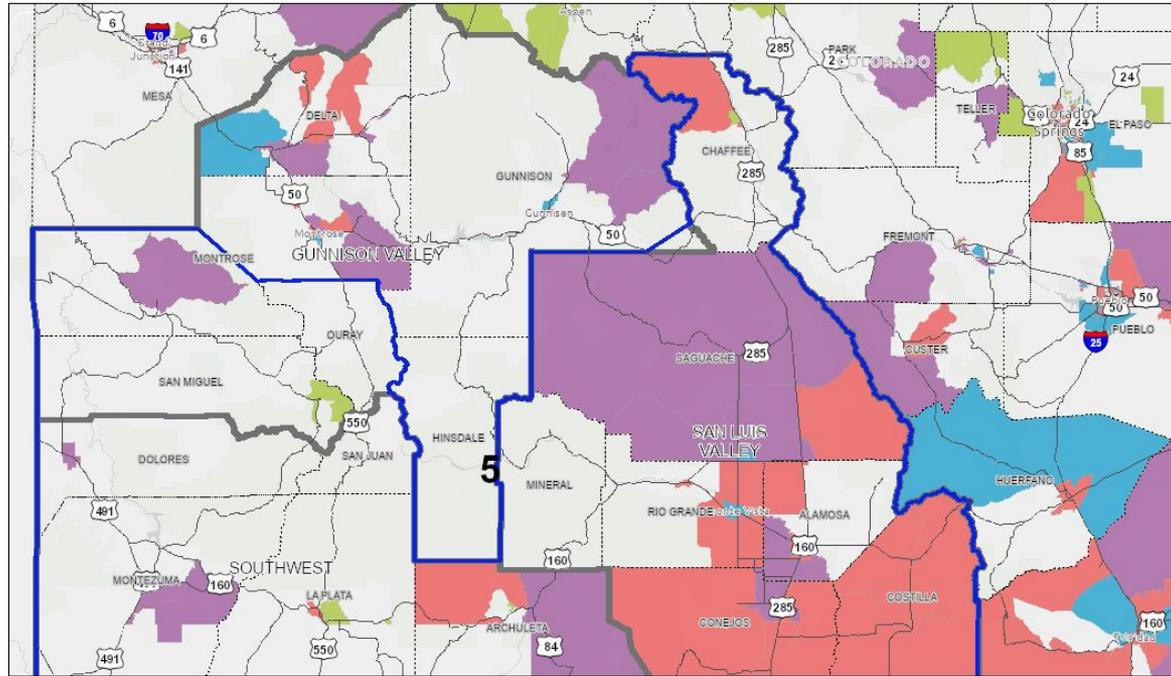


Esri, HERE, Garmin, FAO, NOAA, USGS, Bureau of Land Management, EPA, NPS



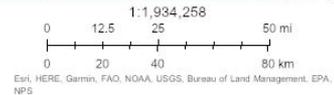
Disproportionately Impacted Communities

Disproportionately Impacted Communities



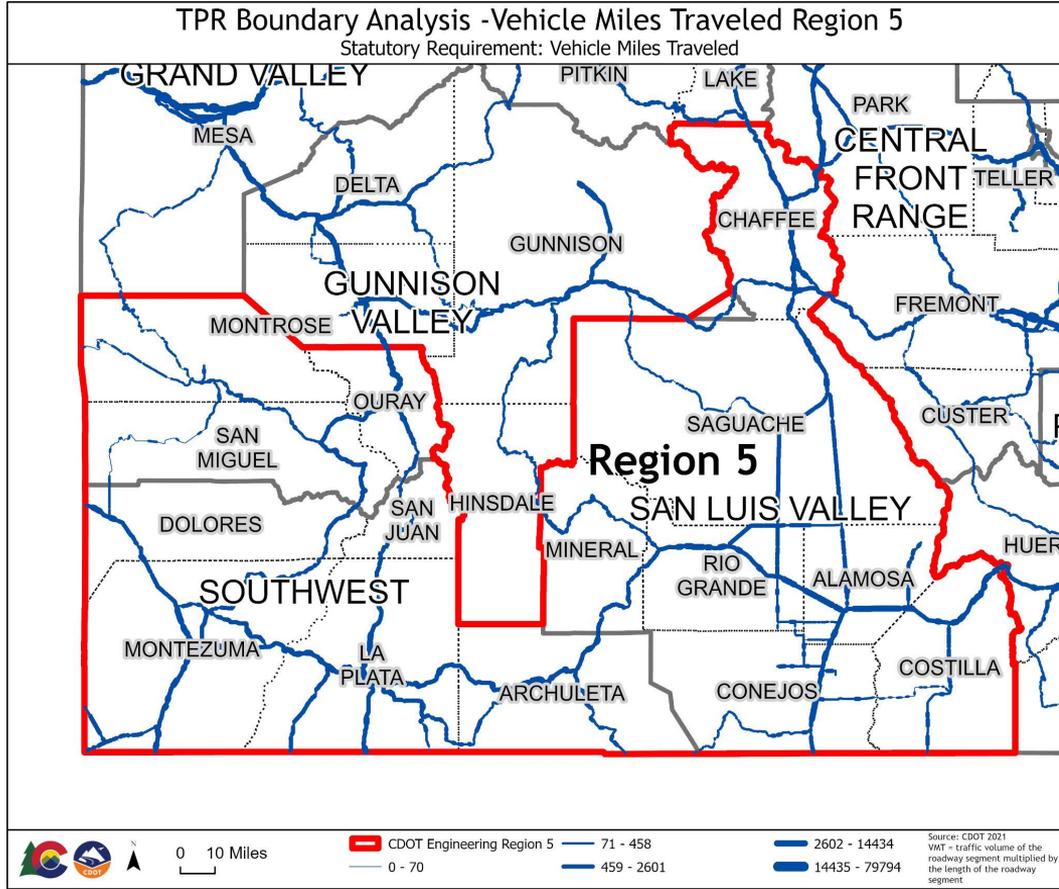
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- Highways for Anno
- Highways
- CDOT Engineering Regions
- Transportation Planning Regions (TPR)
- County Boundaries
- Disproportionately Impacted Communities
- More than one category
- People of Color
- Housing Burden
- Low Income



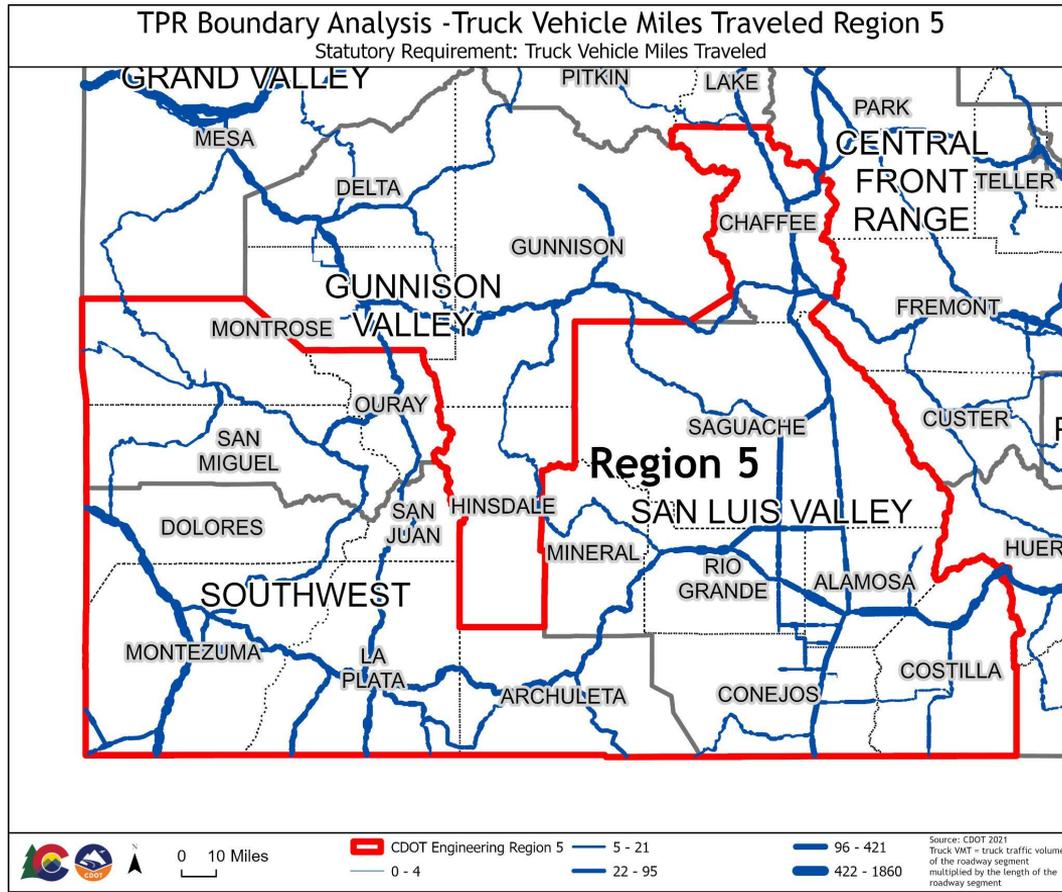


Vehicle Miles Traveled



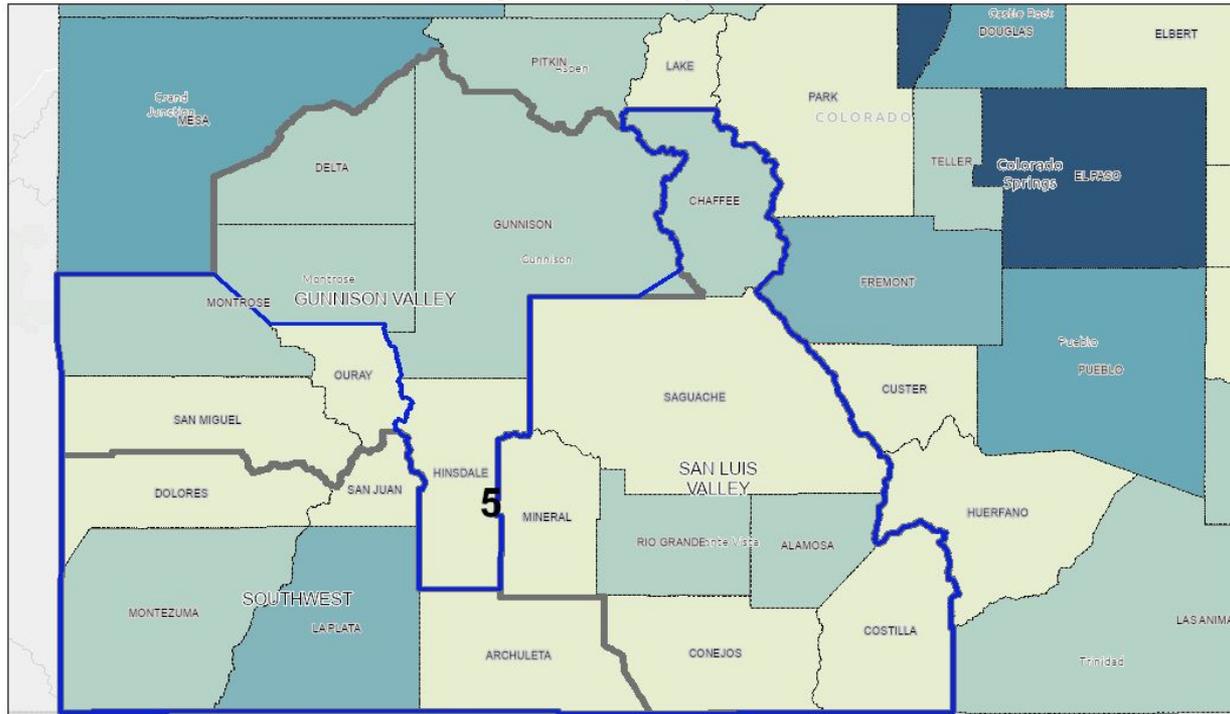


Truck Vehicle Miles Traveled





1990 Population by TPR



7/19/2023, 11:07:22 AM

CDOT Engineering Regions

Transportation Planning Regions (TPR)

County Boundaries

Census 1990

467 - 10,000

> 10,000 - 25,000

> 25,000 - 60,000

> 60,000 - 130,000

> 265,000 - 467,610

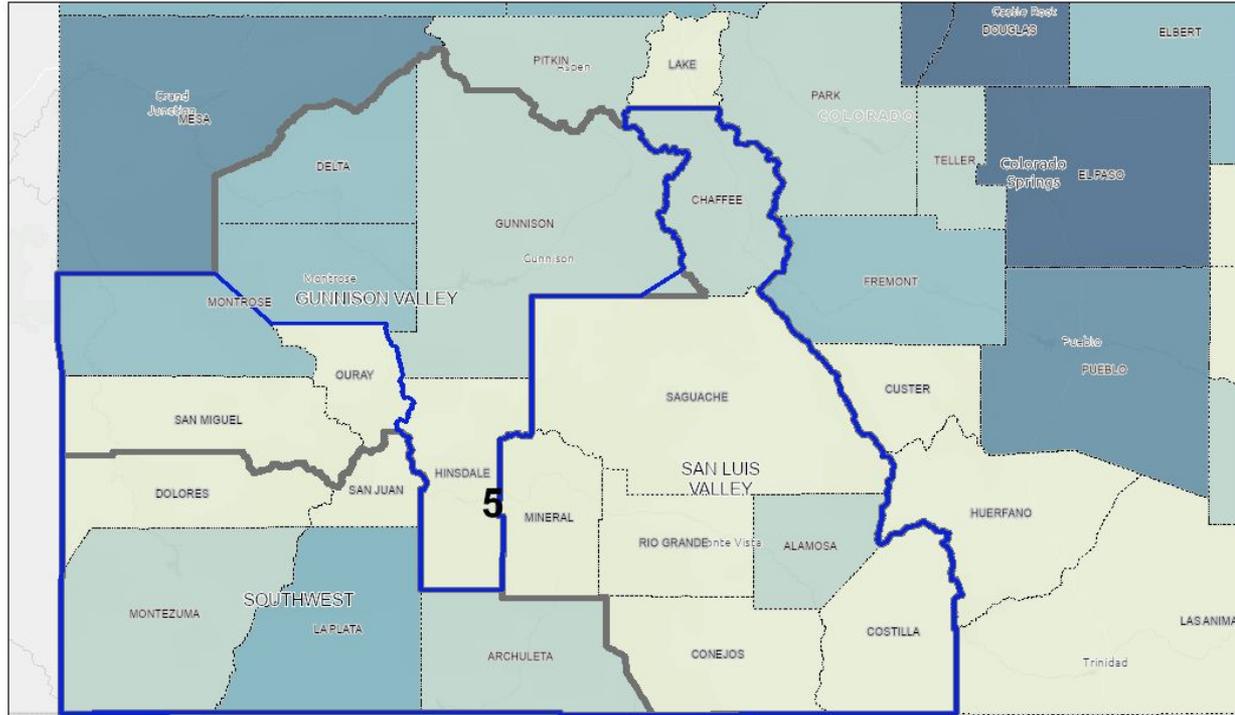
1:2,162,106
0 12.5 25 50 mi

0 20 40 80 km

Esri, HERE, Garmin, FAO, NOAA, USGS, Bureau of Land Management, EPA, NPS



2050 Population by TPR



7/19/2023, 11:12:33 AM

CDOT Engineering Regions

Transportation Planning Regions (TPR)

County Boundaries

2050 Population Projections By County

700,021 - 13,000

> 13,000 - 32,000

> 32,000 - 75,000

> 75,000 - 170,000

> 170,000 - 360,000

> 360,000 - 1,004,027

1:2,162,106

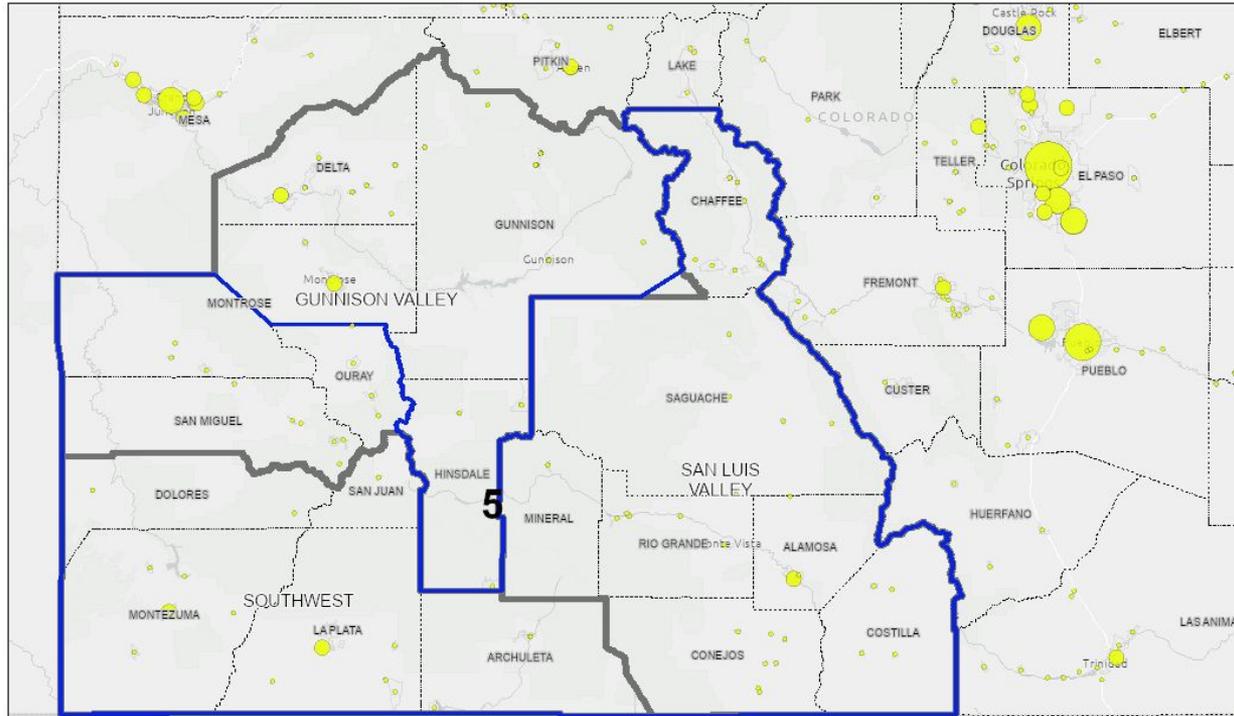
0 12.5 25 50 mi

0 20 40 80 km

Esri, HERE, Garmin, FAO, NOAA, USGS, Bureau of Land Management, EPA, NPS



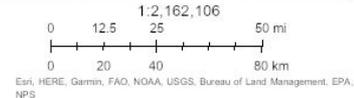
Populations of Census Designated Areas



7/19/2023, 11:16:49 AM

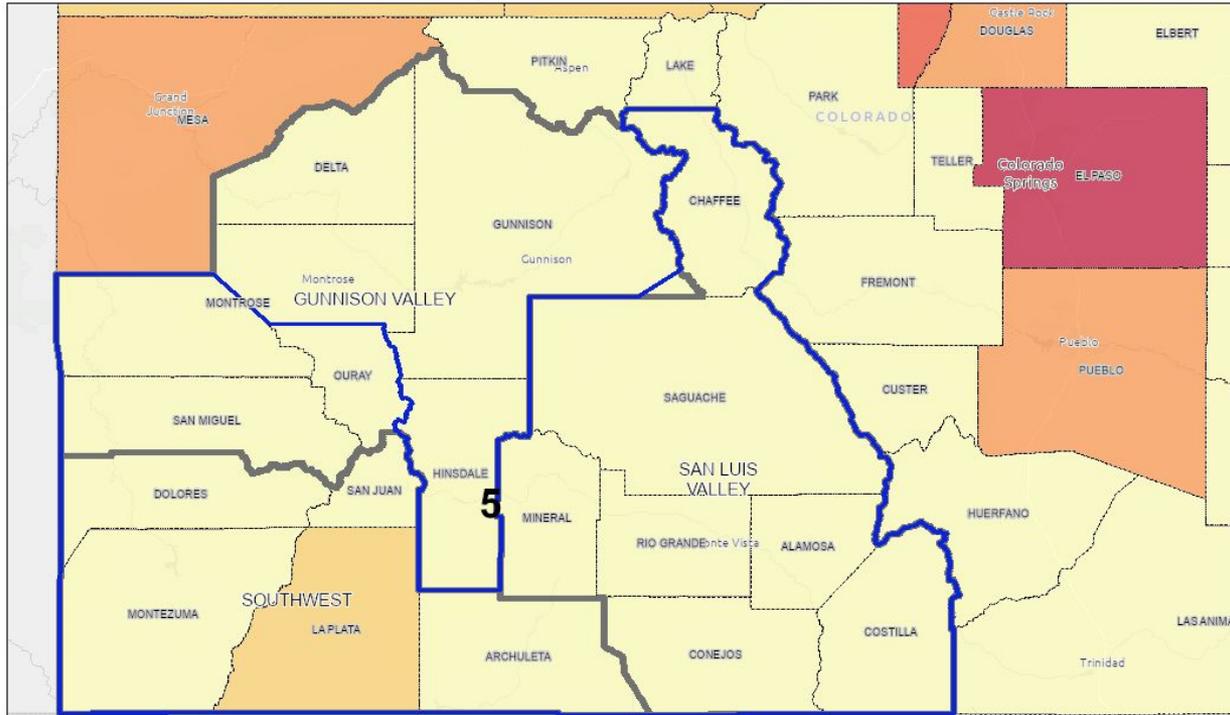
- CDOT Engineering Regions
- Transportation Planning Regions (TPR)
- County Boundaries

- Census Designated Place Population Estimates
- 0 - 6,500
 - > 6,500 - 25,000
 - > 25,000 - 75,000
 - > 75,000 - 170,000
 - > 170,000 - 706,799





Vehicle Crashes by County



7/19/2023, 11:24:44 AM

CDOT Engineering Regions

Transportation Planning Regions (TPR)

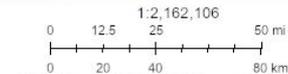
County Boundaries

Vehicle Crashes by County

1 - 119
 120 - 307

308 - 1281

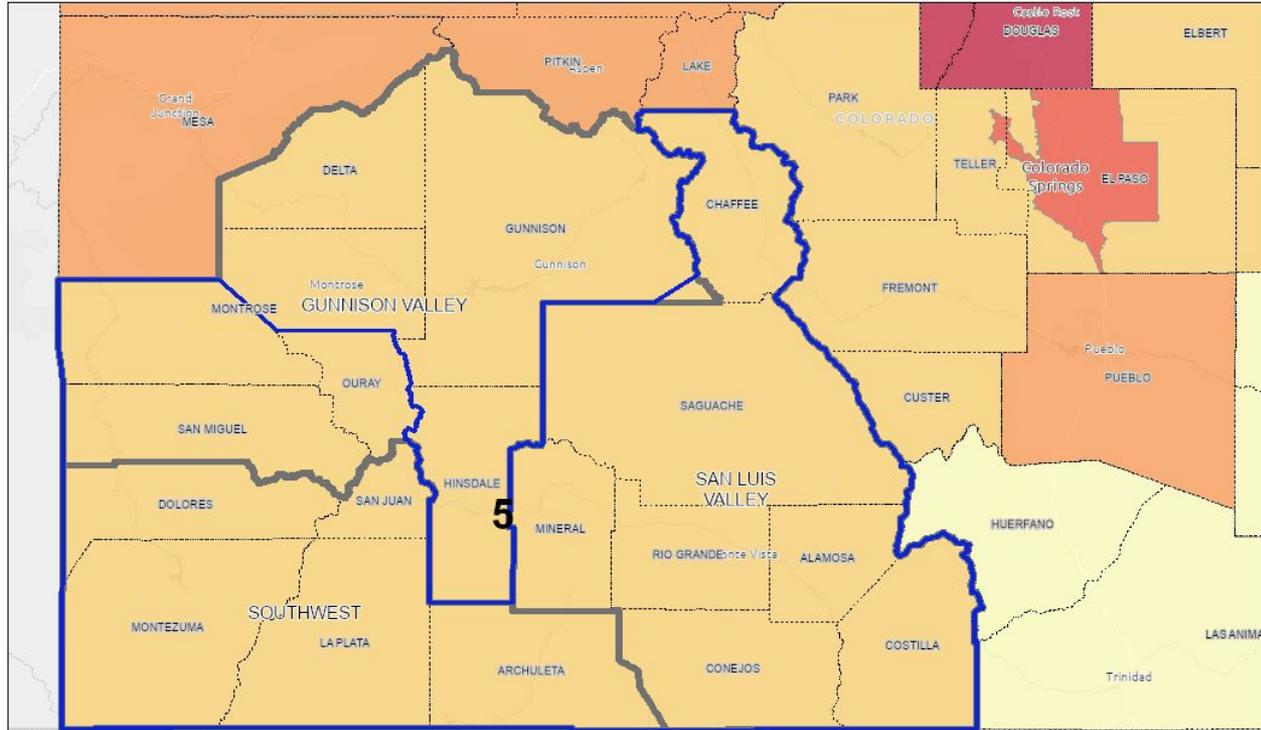
1282 - 2422
 2423 - 4682



Esri, HERE, Garmin, FAO, NOAA, USGS, Bureau of Land Management, EPA, NPS



Vehicle Crashes by TPR



7/19/2023, 11:35:56 AM

CDOT Engineering Regions

Transportation Planning Regions (TPR)

County Boundaries

Vehicle Crashes by TPR

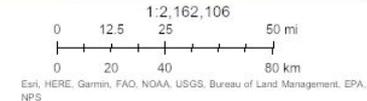
110 - 208

209 - 356

357 - 605

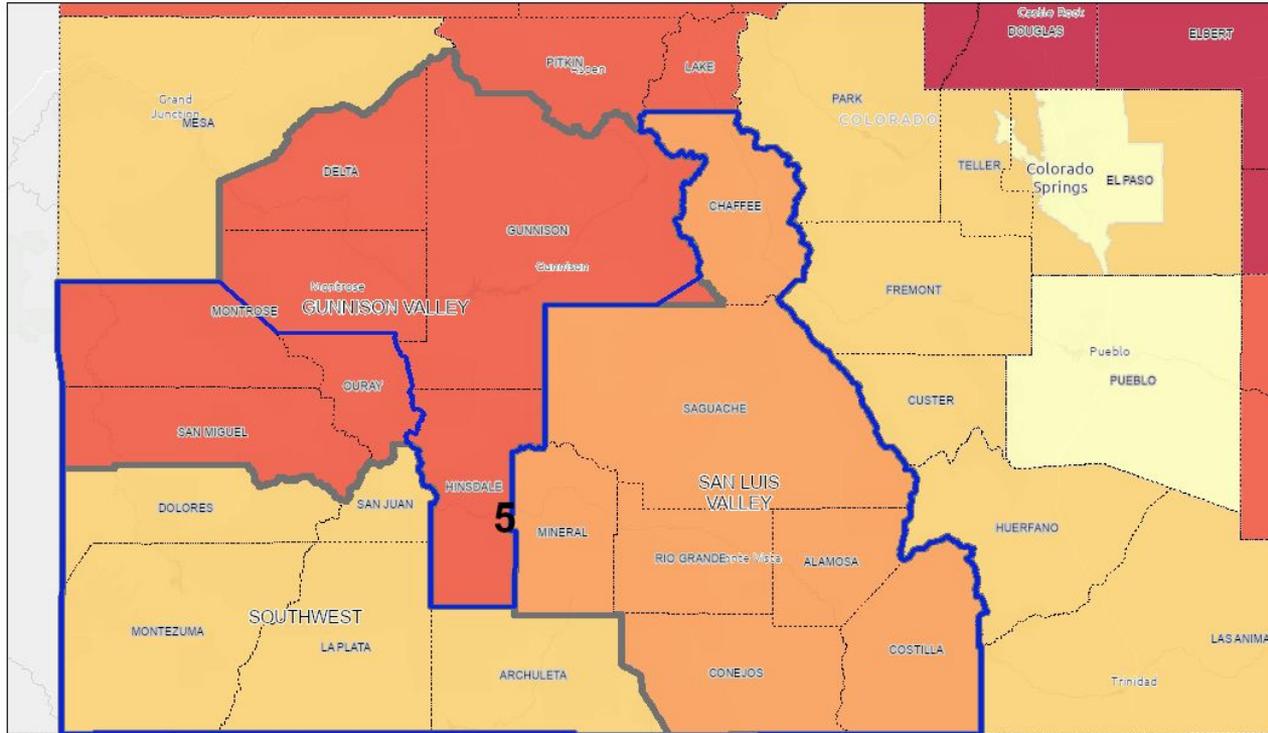
606 - 1614

1615 - 8309





Lane Miles by TPR



7/19/2023, 5:02:07 PM

CDOT Engineering Regions

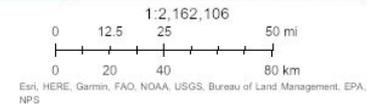
Transportation Planning Regions (TPR)

County Boundaries

Lane Miles per TPR > 1,250 - 1,500

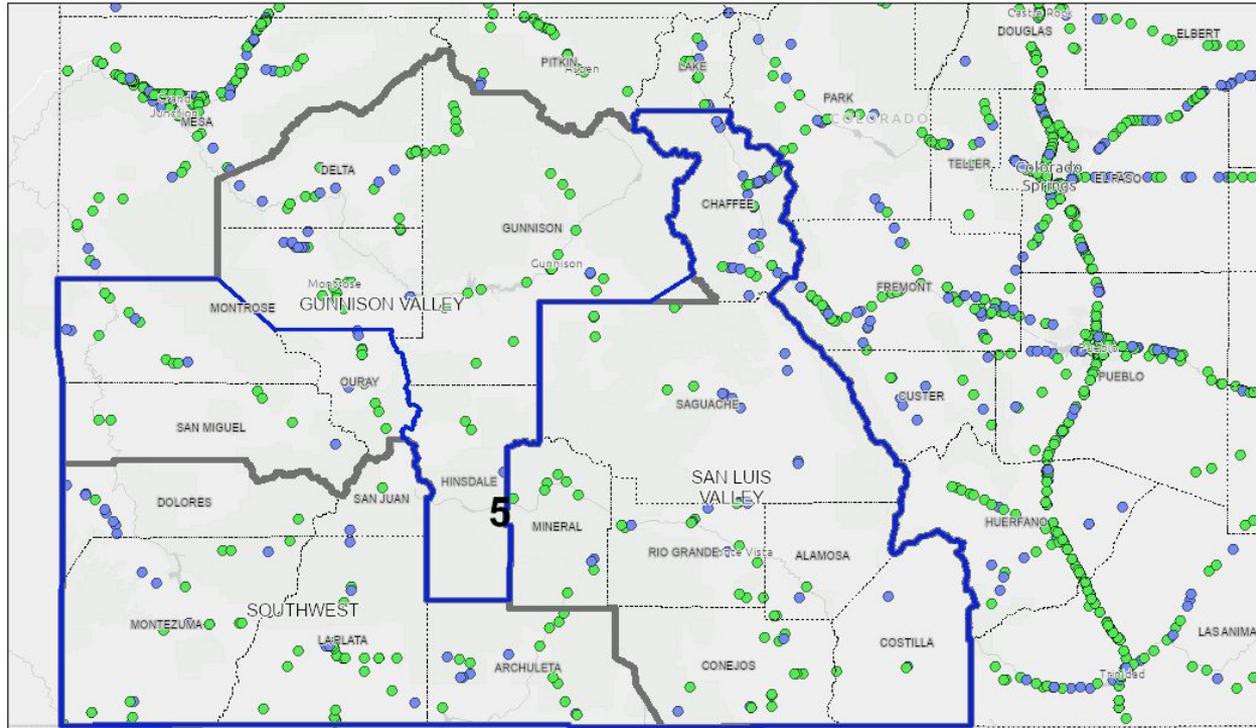
640.7 - 750 > 1,500 - 1,750

> 750 - 1,250 > 1,750 - 4,433.7





Bridges and Culverts



7/19/2023, 11:45:03 AM

 CDOT Engineering Regions

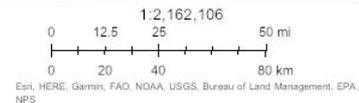
 Transportation Planning Regions (TPR)

 County Boundaries

Bridges and Major Culverts

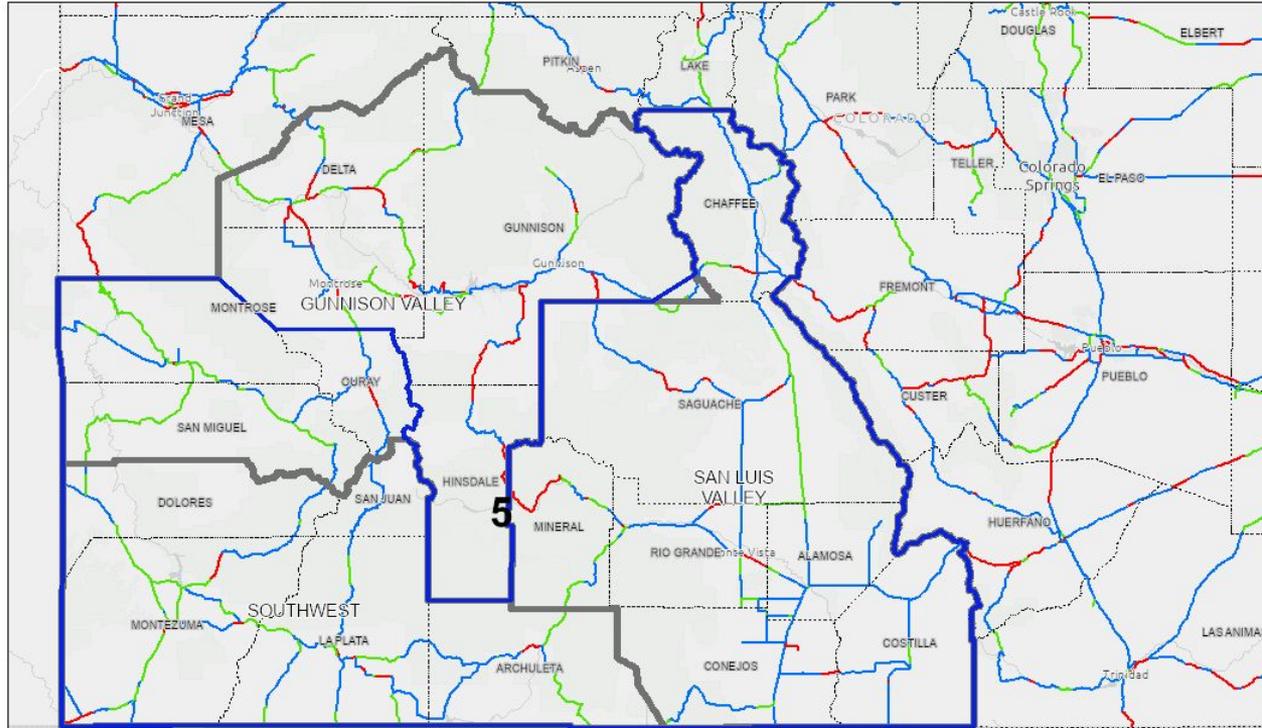
 BRIDGE

 CULVERT



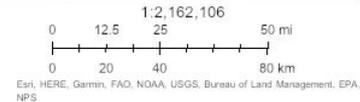


Highway Drivability Life



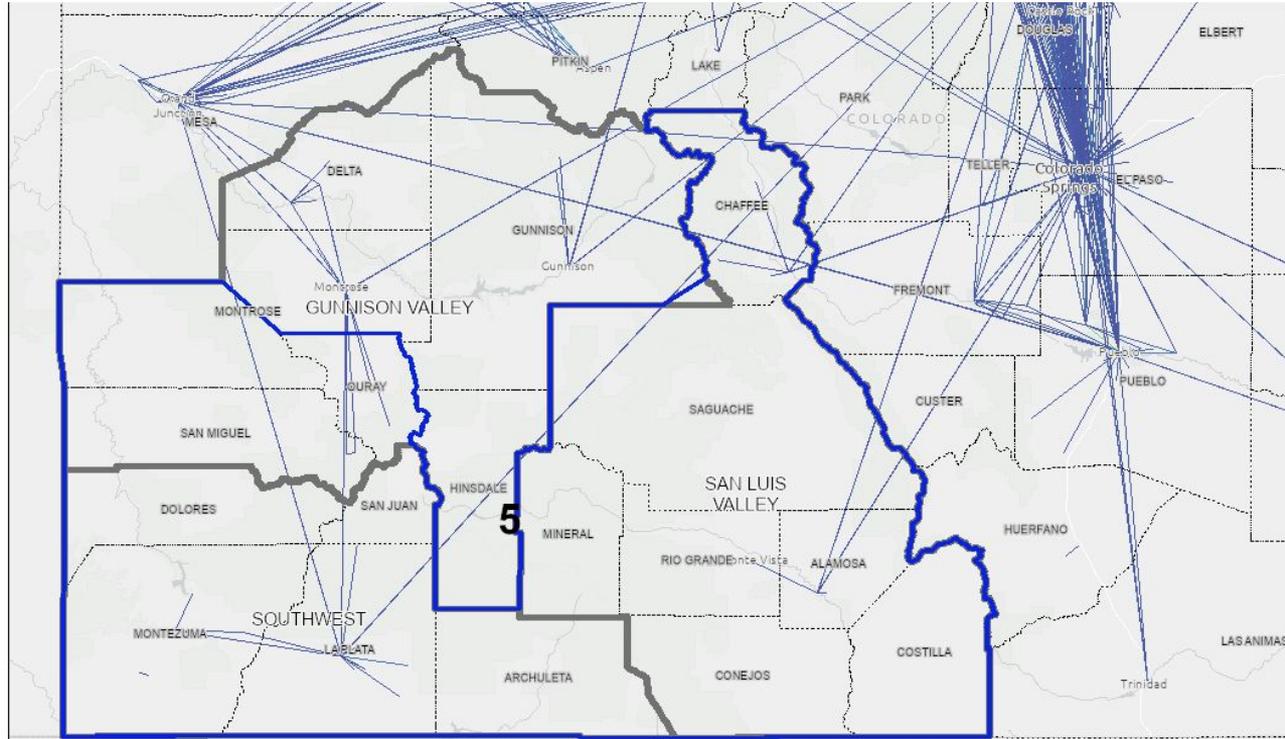
7/19/2023, 11:46:46 AM

- CDOT Engineering Regions
- Transportation Planning Regions (TPR)
- County Boundaries
- HIGH
- MODERATE
- LOW

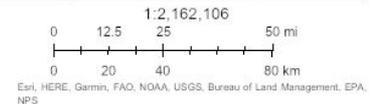
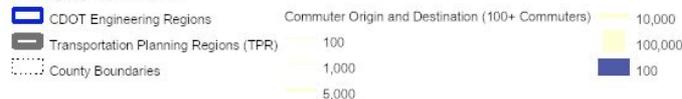




Commuter Origin and Destination

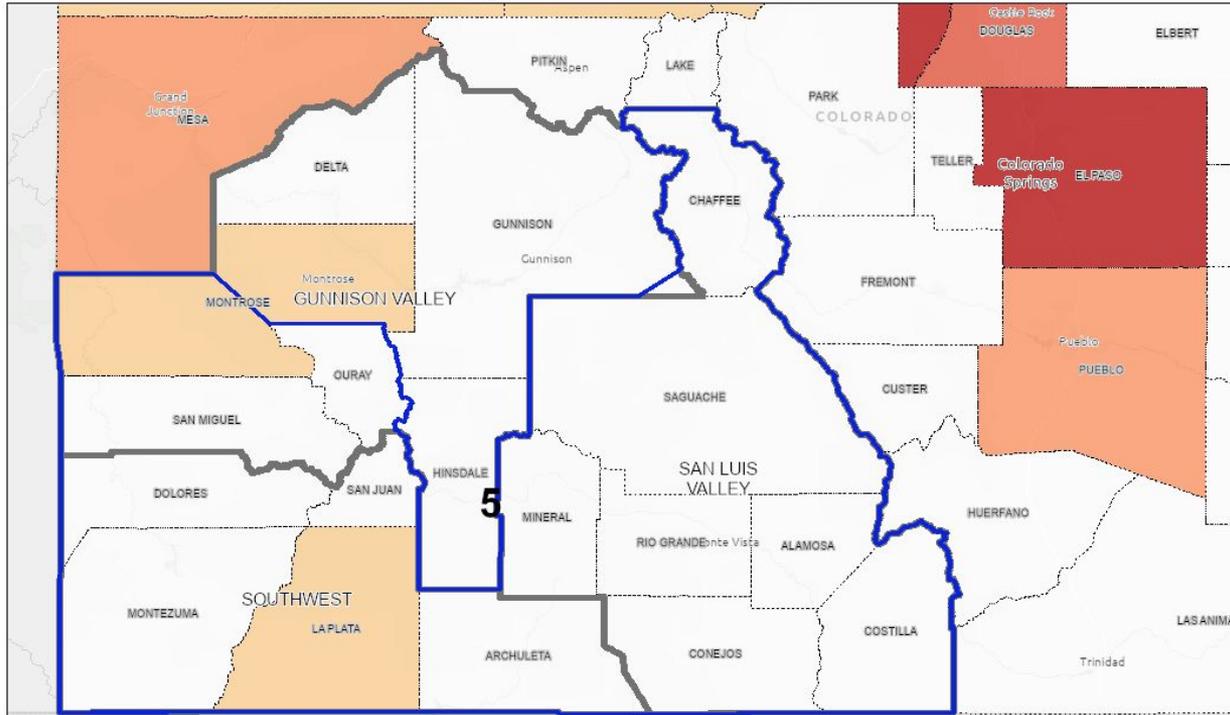


7/19/2023, 12:01:38 PM



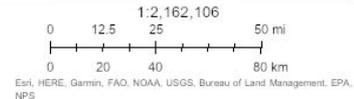


Commuters from Out of County



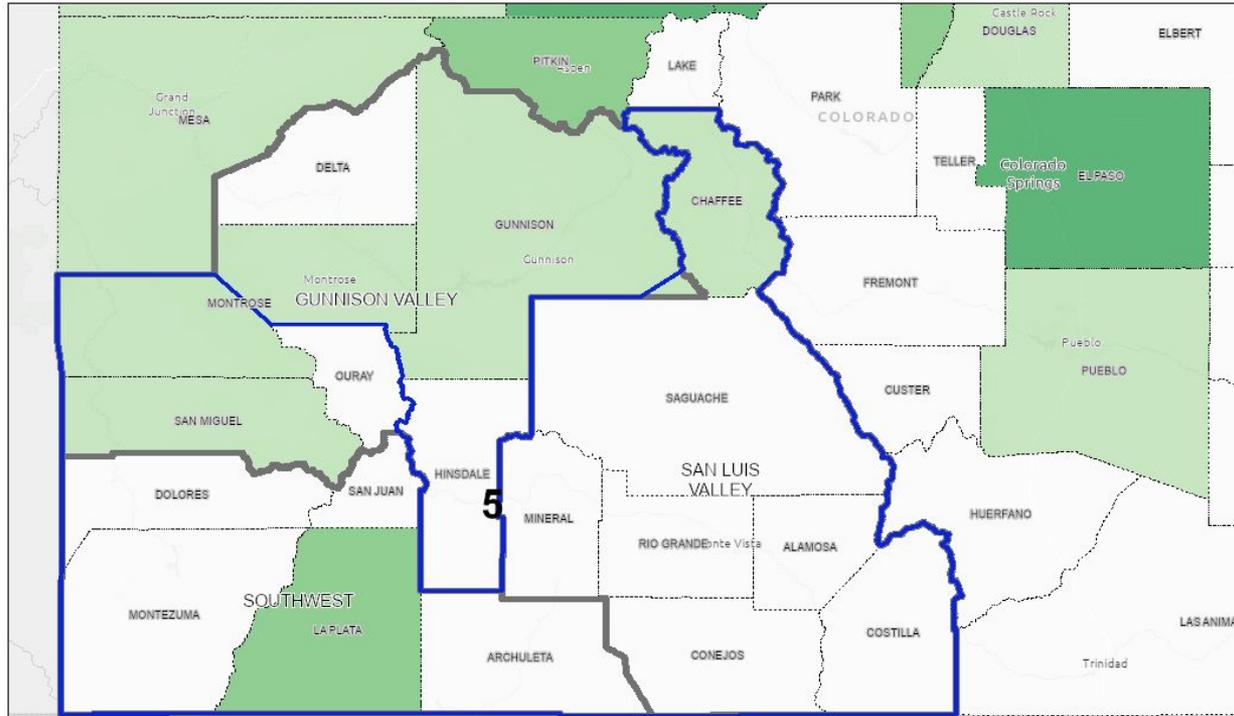
7/19/2023, 12:11:11 PM

- 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





County Level Tourism Direct Travel Spending



7/19/2023, 12:07:49 PM

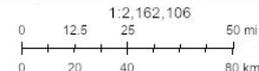
CDOT Engineering Regions

Transportation Planning Regions (TPR)

County Boundaries

County Level Tourism Statistics

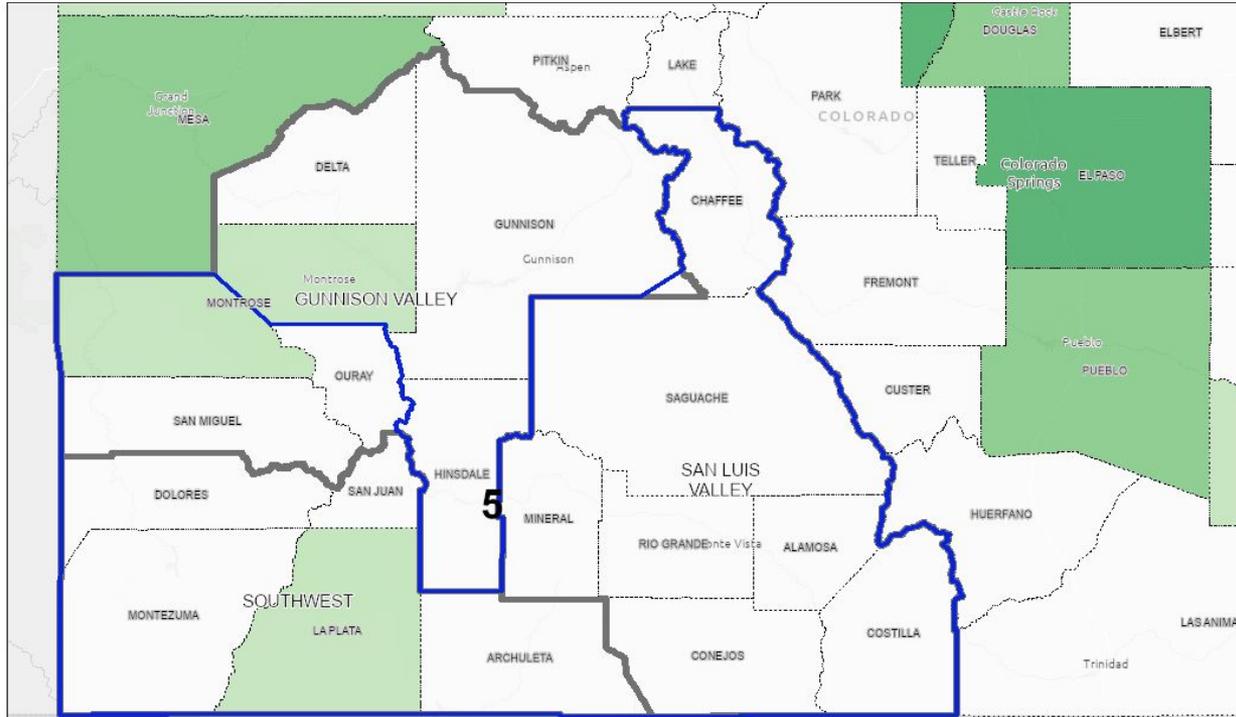
- \$153,800,000 – \$373,300,000
- \$373,300,000 – \$830,000,000
- \$830,000,000 – \$1,800,000,000
- \$1,400,000 – \$153,800,000



1:2,162,106
 Esri, HERE, Garmin, FAO, NOAA, USGS, Bureau of Land Management, EPA, NPS



County Level Movement of Goods



7/19/2023, 12:14:19 PM

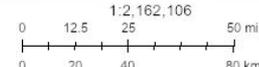
CDOT Engineering Regions

Transportation Planning Regions (TPR)

County Boundaries

County Level Movement of Goods

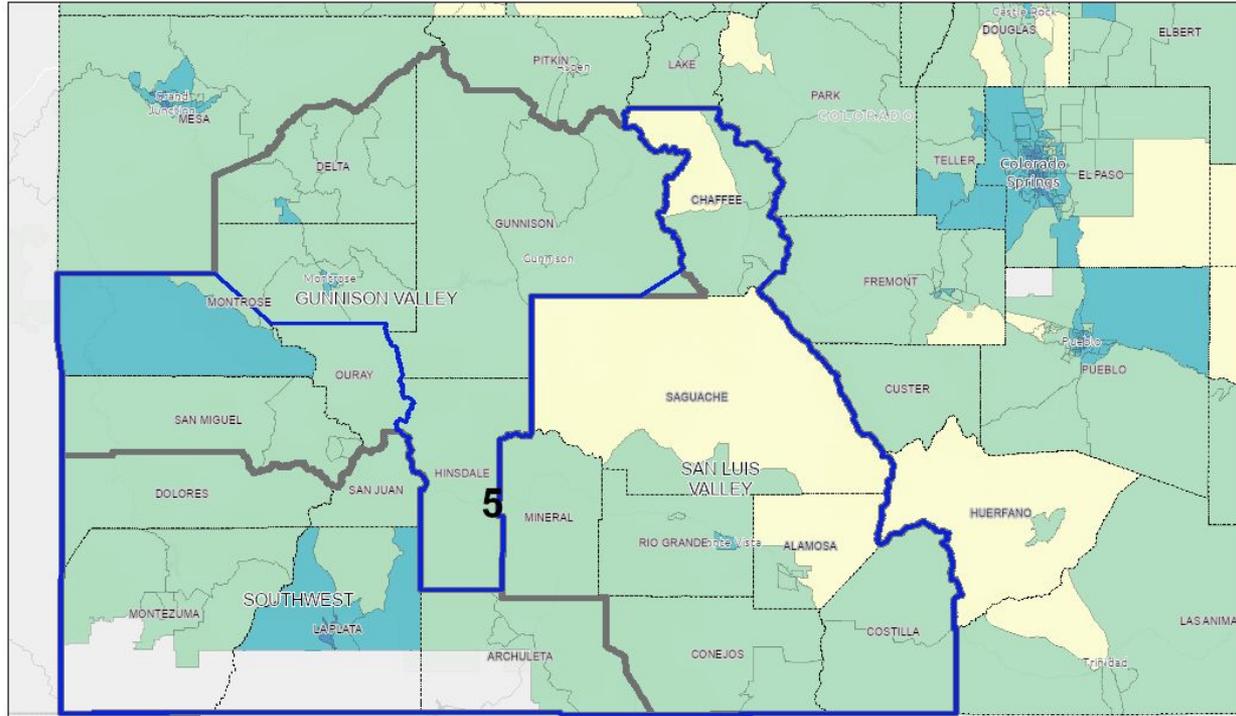
- \$3,538,063.84 - \$712,000,000
- \$712,000,000 - \$2,633,000,000
- \$2,633,000,000 - \$10,598,000,000
- \$10,598,000,000 - \$25,093,000,000



1:2,162,106
 Esri, HERE, Garmin, FAO, NOAA, USGS, Bureau of Land Management, EPA, NPS



Levels of Air Pollutants: Air Quality Measures



7/19/2023, 12:19:16 PM

CDOT Engineering Regions

Transportation Planning Regions (TPR)

County Boundaries

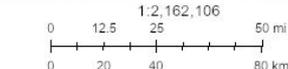
EnviroScreen Air Quality Measures

17.18 - 30

> 30 - 40

> 40 - 50

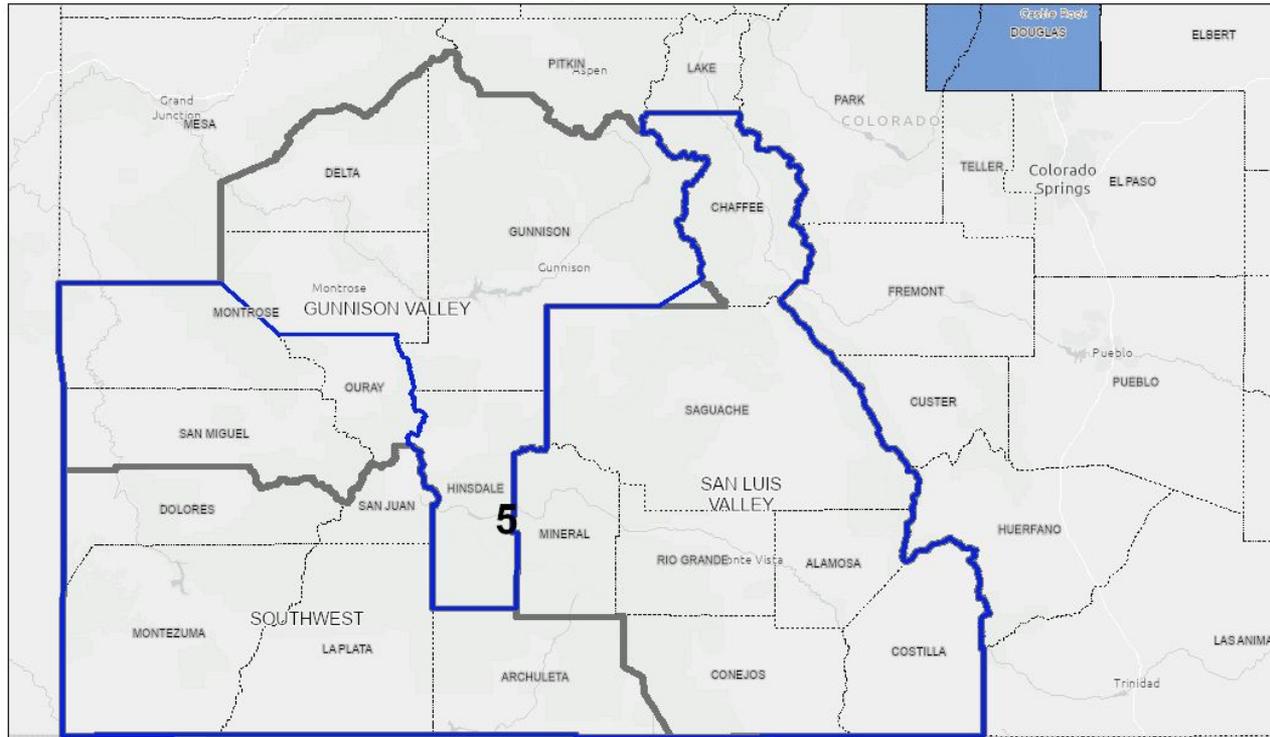
> 50 - 60



1:2,162,106
 Esri, HERE, Garmin, FAO, NOAA, USGS, Bureau of Land Management, EPA, NPS



Ozone Nonattainment



7/19/2023, 12:21:29 PM

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

