

# Results of the 2021 Colorado Statewide Seat-Belt Study

*Prepared for the  
Colorado Department of Transportation*

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# PREFACE

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Atélior conducted a statewide seat-belt usage study for the Colorado Department of Transportation (CDOT), Office of Transportation Safety (OTS) in the summer of 2021. This study provides an estimate on the seat-belt usage rate for the State of Colorado. Thirty-one counties were observed across a two-week period in July 2021.

To accomplish the objective of estimating the seat-belt usage rate, researchers selected observation sites throughout the state in the top thirty-one counties where 85% of traffic fatalities have occurred in the past. Atélior trained and certified a team of observers in the process of direct observations of traffic, and to properly collect and record data during a two-week period (July 26<sup>th</sup> to August 8<sup>th</sup>, 2020). This process estimated total seat-belt usage among Colorado drivers and outboard front seat passengers. The information gathered in this study can be used by CDOT and the Office of Transportation Safety to make decisions on future transportation safety programs.

Atélior is grateful to be a part of the team with the Office of Transportation Safety in completing this 2021 Colorado Statewide Seat-belt Study. The design takes into consideration population movements and trends within the State of Colorado and therefore provides a realistic picture of seat-belt usage in the state. By submitting this report, the project objectives have been completed within the time parameters and budget agreed to by both CDOT and Atélior. I am fully confident that the data and the analysis submitted to CDOT/OTS are accurate and complete.



D. Todd Donavan

Principle Investigator, Atélior

# EXECUTIVE SUMMARY

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Atélior, LLC conducted a comprehensive seat-belt usage study in the State of Colorado from July 26<sup>th</sup> to August 8<sup>th</sup>, 2020. Trained retired highway patrol officers served as observers for this study. In total, data were collected at 770 sites across 31 counties. A total of 112,022 vehicles were observed, and 139,293 occupants (both drivers and front-seat passengers) were recorded. Five vehicle categories were included: cars, vans, sports utility vehicles (SUVs), pickup trucks, and select commercial vehicles (10,000 pounds and under). The observers worked from predetermined observation sites throughout the state.

Atélior team of researchers included:

Dr. D. Todd Donovan, Principle Investigator  
Jon Schroth Project Coordinator  
Tom Petersen Administration/Oversight  
Richard Motzkus Field Administration  
and Todd Tuell Lead Statistician

Atélior works to make sure this study has high validity and reliability. As usual, our field observers and supervisors were trained by the Atélior team in observation and recording methods. The need for consistency and accuracy in the process of data collection was emphasized in the training and pre-survey phase of the study. This is the second year of conducting certification on all observers. These steps help assure the data collected is as accurate as possible. For the second year now, we are using iPads for data collection which should enhance the accuracy of our data.

As previously mentioned, Atélior utilizes retired Colorado State Highway Patrol Officers as observers. These observers give us the advantage of being familiar with interstate and state highways, as well as local and county roads and safety procedures, consequently, many potential location and safety problems were minimized. The retired patrol officers have proven to be very conscientious and reliable. Their experience helps strengthen the validity of the results. This staffing arrangement worked very well, and the continued use of the patrol officers is planned for future studies. By using independent contractors, Atélior has taken measures to ensure the integrity of the survey and analysis while involving people in the study who have the most relevant skills.

The data collected through the observations were recorded, summarized, and entered into the appropriate categories for analysis. Analysis of the data yielded the following seat-belt usage results among the various vehicle types:

## Seatbelt Usage Across the Five Vehicle Categories

As shown in Table 1.0 below, the 2021 Colorado Statewide seat-belt survey provided the following results across the five vehicle categories from highest to lowest seat-belt usage: **Vans** 88.1% (C.I. 86.2% to 90.0%), **Trucks** 88.1% (C.I. 86.8% to 89.4%), **Cars** 87.0% (C.I. 85.7% to 88.4%), **SUVs** 85.9% (C.I. 84.6% to 87.2%), and **Commercial vehicles** 76.2% (C.I. 72.9% to 79.5%). The overall rate across all vehicle types stands at 86.6% (C.I. 85.4% to 87.7%). This overall rate is slightly below the rate we found in May during our premobilization study. The overall premobilization rate stood at 88.1% (C.I. % 86.2% to 89.9%). Three categories decreased in the Statewide study from the premobilization: Vans dropped by 5.4%, SUVs dropped by 4.8% and commercial vehicles dropped by 12.6%. The last two categories increased since the premobilization study: Cars increased by .9% and Trucks increased by 5.6%.

We have no means to know the reason for these changes since the premobilization study. However, these changes may be due to an increase in tourism traffic as we headed into the summer months and more younger drivers on the road during July.

**Table 1.0**

**2021 Statewide Seat-belt Usage by Vehicle Type**

	<b># of Sites</b>	<b>Estimate %</b>	<b>Std Error</b>	<b>CV %</b>	<b>Lower 95% Limit</b>	<b>Upper 95% Limit</b>
Van	770	88.1	1.0	1.09	86.2	90.0
Truck	770	88.1	0.7	0.77	86.8	89.4
Car	770	87.0	0.7	0.79	85.7	88.4
SUV	770	85.9	0.7	0.78	84.6	87.2
Commercial	770	76.2	1.7	2.20	72.9	79.5
Overall	770	86.6	0.6	0.66	85.4	87.7

# Statewide Seatbelt Survey

## Sampling Methodology

There were 770 statewide sites chosen from 31 counties for the seat-belt survey with 767 original sites and 3 alternate sites providing survey data for this study. In selecting the sample, stratification by county was employed as well as an unequal weighting by road class. Each county had either 11 or 44 sites chosen for observations.

## Analysis Methodology

Driver and passenger observation data was combined with site characteristic data to create the input data file. Sampling weights were derived and utilized in the analysis.

The R Survey package was utilized to analyze the observation data. The overall usage estimate (percentage) and usage estimates by vehicle type were calculated using the svratio function. For the usage estimates by the various domains (vehicle speed, road class, and county) the svyby function was used. Both the svratio and svyby functions take into account the design used in selecting the sample. The cv and coef functions were employed to calculate the coefficients of variation and 95% confidence interval limits for the estimates.

## Sample Characteristics

- 770 of 770 sites surveyed.
- 112,022 vehicles were surveyed
- 139,293 occupants (both drivers and front seat passengers) were surveyed
- 2,834 occupants were surveyed as “unable to be observed”
  - 2,467 of these were drivers
  - This represents 2.03% of all individuals surveyed (observable + non-observable)
  - Non-observable rates by vehicle type
  - As can be seen below, the non-observable rate in 2021 is similar to that found in 2020.

<b>Vehicle Type</b>	<b>2021</b>	<b>2020</b>
Car	2.1%	2.8%
Van	0.8%	1.1%
SUV	2.2%	2.3%
Truck	2.1%	4.9%
Commercial	2.1%	2.0%
Overall	2.0%	2.9%



# RESULTS

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## Statewide Survey Results

The 2021 statewide survey demonstrates a consistent overall rate compared to our 2020 rate. As shown in Table 2.0 below, the 2021 overall rate of 86.6% is slightly above the 2020 rate of 86.3%. Further, the 2021 rate is 86.6% is in line with the five-year moving average of 86.26%. Table 2.0 below illustrates the historical usage rates from 2012 to 2021. Over in the past ten years, only four years (2018, 2019, 2020, and 2021) demonstrate a rate above 86.0%. In the past ten years, Colorado has seen an increase in overall seat-belt usage of 5.9%, which equates to a percentage increase of 7.3%, that is,  $((86.6 - 80.7)/80.7)$ .

While the overall rate remained consistent from the 2020 rate, the vehicle categories did fluctuate. The Cars and Commercial vehicles categories rose slightly, (Cars up by .9% and commercial up by 1.4%). Vans and SUVs dropped slightly ( Vans down 2.1%, SUVs down 5%). The largest changed was in the Truck category where it increased from 78.3% to 88.1% for an increase of 9.8 and a percentage increase of 12.5% , that is,  $((88.1-78.3)/78.3)$ .

**Table 2.0**  
**Historical Statewide Usage Rates (%)**

	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
<b>Car</b>	82.3	82.6	83.1	85.2	83.9	83.7	86.0	88.3	86.1	87.0
<b>Van</b>	85.2	86.9	87.3	89.2	89.5	87.2	88.0	90.1	90.2	88.1
<b>SUV</b>	84.6	86.7	87.1	89.9	89.2	88.5	90.8	92.0	90.9	85.9
<b>Truck</b>	71.7	73.0	72.4	77.6	76.1	76.5	80.1	82.6	78.3	88.1
<b>Commercial</b>	65.1	65.5	67.5	73.9	68.2	70.8	74.7	75.8	74.8	76.2
<b>Overall</b>	80.7	82.1	82.4	85.2	84.0	83.8	86.3	88.3	86.3	86.6

## Seat-belt Usage Since 2012

Table 3.0 captures the absolute increases in each vehicle category as well as the percentage increase since 2012. All five vehicle categories increased over the past nine years. The highest increases came in **Trucks** (16.4% increase) and a percentage increase since 2012 of 22.87%. **Commercial vehicle** increased by 11.1% for a percentage increase of 17% over the last nine years. Overall, seat-belt usage increased across the five vehicle categories by 7.3% since 2012.

In previous studies, **Trucks** and **Commercial Vehicles** lagged the three other vehicle categories of cars, vans and SUVs. This year, however, **Trucks** jumped above **SUVs** with an overall seatbelt usage rate of 88.1% versus **SUVs** of 85.9%. **Commercial vehicles** continue to be the lowest seatbelt usage rate at 76.2%.

**Table 3.0**  
**Increases in Seat-belt Usage in Past Nine Years (%)**

<b>Vehicle Type</b>	<b>Absolute Increase</b>	<b>Percentage Increase (2012 to 2021)</b>
Car	4.7	5.7%
Van	2.9	3.4%
SUV	1.3	1.5%
Truck	16.4	22.9%
Commercial	11.1	17%
<b>Overall</b>	<b>5.9</b>	<b>7.3%</b>

## Seat-belt Usage by Passengers

A subcategory of analysis is the usage rate among passengers. Table 4.0 below provides the seat-belt usage rate among passengers in the five vehicle categories. If we compare these rates to the overall rates within a vehicle category, we find that passengers wore a seat belt more often in Vans, SUVs and Trucks, than all front-seat riders in Vans, SUVs and Trucks. That is, passengers in Vans wore belts 93.13% of the time, while the overall Van rate stands at 88.1%. Likewise, passengers in SUVs wore a seat belt 88.38% of the time, while the overall rate in SUVs stands at 85.9%. Finally, passengers in Trucks wore the seat belt at 88.41%, with the overall Truck rate of 88.1%. Passengers in the other two categories all wore the seat belt at a lower rate than their respective category. (Car passengers = 85.56% versus Car overall rate of 87.0%; Commercial passengers = 72.33% versus overall Commercial vehicle rate of 76.2%).

**Table 4.0**  
**Statewide Passenger Usage Rate by Vehicle Type**

<b>Vehicle Type</b>	<b>2021</b>
Van	93.13
Truck	88.41
SUV	88.38
Car	85.56
Commercial	72.33
<b>Overall</b>	<b>87.57</b>

## Seat-belt Usage and Speed

We evaluated seat-belt usage rate among three categories of speed. Table 5.0 presents the data of the three categories of 0-30, 31-50, and *Greater than 50* miles per hour. Seat-belt usage was highest when vehicles were traveling in the higher speed limit areas, that is, above 50 MPH. As vehicles travel in lower speed limit areas, seat-belt usage declined. Occupants are least likely to wear a seat belt when traveling 0-30 (84.1% usage with C.I. 81.6% to 86.7%), followed by 31-50 MPH (86.8% usage with C.I. 85.7% to 88.5%), finally, seat-belt usage rate for *Greater than 50 MPH* recorded a rate of 90.0 (C.I. 88.7% to 91.3%).

The usage rate in the 31-50 MPH decreased by .2 for a percentage decrease of .002%. The usage rate for *Greater than 50 MPH* increase by 1.8% for a percentage increase of .02%, while the rate for 0-30 MPH remained the same since 2020 at 84.1%.

**Table 5.0**  
**Statewide Seat-belt Usage by Vehicle Speed**

	<b># of Sites</b>	<b>Estimate %</b>	<b>Std Error</b>	<b>CV %</b>	<b>Lower 95% Limit</b>	<b>Upper 95% Limit</b>
0-30 miles per hour	142	84.1	1.3	1.54	81.6	86.7
31-50 miles per hour	316	86.8	0.9	1.00	85.7	88.5
> than 50 MPH	312	90.0	0.7	0.75	88.7	91.3

## **Seat-belt Usage and Road Class**

Table 6.0 below presents the seat-belt usage rate based on *Road Class*. As shown, seat-belt usage rates are highest on *primary roads* followed by *secondary* and *local roads*. This difference may be due to the classification scheme of the road classes. Local roads are classified as neighborhood areas typical of short trips and slower speeds. Primary roads typically have more lanes and are associated with higher speeds.

Seat-belt usage on primary roads did not change from the rate in 2020; both standing at 92.6%, although the confidence interval did increase a bit. In 2020 the C.I. stood at (91.5% to 93.7%) while the confidence interval for 2021 stands at (90.7% to 94.4%).

The seat-belt usage rate in 2021 dropped a bit for vehicles traveling on *secondary roads*. The current rate of 85.0% dropped from the 86.6% in 2020. Further, the confidence interval widened in 2021 from (86.0% to 87.2%) in 2020 to the current C.I. of (83.7% to 86.3%).

Finally, the road class of *Local Roads* saw an increase from 2020 from 85.7% to the 2021 rate of 86.4%. The confidence interval is similar across the two years for Local roads: (2020 = 84.5% to 86.9% versus 2021 = 84.9% to 87.9%).

**Table 6.0**  
**Statewide Seat-belt Usage by Road Class**

	<b># of Sites</b>	<b>Estimate %</b>	<b>Std Error</b>	<b>CV %</b>	<b>Lower 95% Limit</b>	<b>Upper 95% Limit</b>
Primary	101	92.6	0.9	1.01	90.7	94.4
Secondary	437	85.0	0.7	0.78	83.7	86.3
Local	232	86.4	0.8	0.87	84.9	87.9

## Seat-belt Usage by County

Table 7.0 illustrates the seat belt estimates by Colorado Counties. This table is organized from highest to lowest percentage. (Note: Appendix 1 presents this same table with the counties in alphabetical order). In 2021, nine counties demonstrate a usage rate above 90%, which is an improvement over 2020 where only six counties were above 90%. Currently, there are sixteen counties between 80% and 90%, and only six counties below the 80% range. Of the six counties with seat-belt usage below 80%, four counties were in this lowest category for a second year in a row: Chaffee, Weld, Cheyenne, and Pueblo.

**Table 7.0**  
**Statewide Seat-belt Usage by County**

	# Of Sites	Estimate %	Std Error	CV%	Lower 95% Limit	Upper 95% Limit
ARAPAHOE	44	95.3	0.9	0.91	93.6	97
DENVER	44	95	0.5	0.55	93.9	96
PARK	44	93.4	0.8	0.84	91.9	95
MONTROSE	11	92.8	2	2.15	88.9	96.7
GARFIELD	11	92	1.8	2	88.4	95.6
DOUGLAS	44	91.4	0.8	0.85	89.9	92.9
GUNNISON	11	91.4	1.7	1.81	88.2	94.6
MORGAN	11	90.5	3.5	3.86	83.7	97.4
BOULDER	44	90.1	1.2	1.33	87.7	92.4
LINCOLN	11	89.2	4.1	4.61	81.2	97.3
SUMMIT	11	89.1	1.8	2.06	85.5	92.7
LA PLATA	11	88.3	1.6	1.83	85.1	91.5
DELTA	11	88.2	1.2	1.35	85.8	90.5
MOFFAT	11	88.2	1.9	2.2	84.4	92
ADAMS	44	86.2	1.3	1.56	83.6	88.9
MESA	44	86.1	1.6	1.91	82.9	89.4
LARIMER	44	86	0.9	1.04	84.3	87.8
ALAMOSA	11	85.9	1	1.13	84	87.8
EL PASO	44	85.9	1.7	2	82.6	89.3
LAS ANIMAS	11	85.9	4.1	4.81	77.8	94
EAGLE	11	84.6	2.7	3.19	79.3	89.8
CLEAR CREEK	44	83.8	2.9	3.4	78.2	89.4
MONTEZUMA	11	83.7	1.5	1.76	80.8	86.6
KIT CARSON	11	82.8	8.1	9.78	66.9	98.6
OTERO	11	81.1	1.8	2.18	77.6	84.5
JEFFERSON	44	79	1.8	2.26	75.5	82.5
CHAFFEE	11	76	2.2	2.92	71.7	80.4
FREMONT	11	74.1	4.2	5.61	66	82.3
WELD	44	71.6	1.8	2.47	68.2	75.1
CHEYENNE	11	71.5	6.4	8.89	59	84
PUEBLO	44	66.2	2.7	4.11	60.8	71.5

## **County Comparison of Top Ten versus Bottom Ten Counties**

Table 8.0 below further evaluates the usage rate by counties. The table lists the top ten and bottom ten counties by seat-belt usage, as well as the county population and population per square mile. The higher compliance counties tend to be the more densely populated counties. While there are a few counties in the top ten with lower population bases, (i.e., Park County at 8.0 population per square mile and Gunnison County at 5.0 population per square mile), the overall average of population in the top ten stands at 626.5 versus 99.4 for the bottom ten compliance counties. If we remove the highest populated county, Denver from the top ten seat-belt usage group, the average population per square mile for the top “nine” group drops to 190. Likewise, by removing the lowest county’s average population per square mile from the bottom ten group, (i.e., Cheyenne at 1 per square mile), the average population per square mile for the bottom “nine” stands at 110. Consequently, by dropping the extreme cases in the top ten and bottom ten, the two categories do come much closer together. However, the top counties continue to have a much larger population base than the bottom nine counties, (190 versus 110 per square mile).

A few counties are newcomers to top ten and bottom ten categories since the study in 2020. In the top ten seat-belt usage group, Montrose and Lincoln entered the top ten group of counties with both Summit and El Paso dropping out of this top ten group. In the bottom ten, there were four new counties to the group: Clear Creek, Montezuma, Jefferson and Fremont. The counties that improved enough to leave the bottom group are Delta, Mesa, Larimer and Lincoln.

## **County Comparisons of Top Ten and Bottom Ten Counties**

**Table 8.0**  
**County Comparisons by Population Size**

Ranking	County	Usage Rate	Population	County Size (Square miles)	Population per Square Mile
<b>Highest Rated Counties by Seat-belt Usage</b>					
1	ARAPAHOE	95.3	644,560	804	802
2	DENVER	95.0	705,576	155	4,552
3	PARK	93.4	17,867	2,209	8
4	MONTROSE	92.8	41,686	2,246	19
5	GARFIELD	92.0	59,055	2,958	20
6	DOUGLAS	91.4	336,041	842	399
7	GUNNISON	91.4	16,802	3,259	5
8	MORGAN	90.5	28,517	1,294	22
9	BOULDER	90.1	322,510	740	436
10	LINCOLN	89.2	5,585	2,585	2
<b>Lowest Rated Counties by Seat-belt Usage</b>					
22	CLEAR CREEK	83.8	9,495	397	24
23	MONTEZUMA	83.7	26,031	2,036	13
24	KIT CARSON	82.8	7,447	2,162	3
25	OTERO	81.1	18,282	1,268	14
26	JEFFERSON	79.0	574,798	773	744
27	CHAFFEE	76.0	19,557	1,014	19
28	FREMONT	74.1	47,321	1,533	31
29	WELD	71.6	305,345	4,014	76
30	CHEYENNE	71.5	2,026	1,782	1
31	PUEBLO	66.2	165,982	2,397	69

# CONCLUSIONS

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Between July 26<sup>th</sup> and August 8<sup>th</sup>, 2021, Atélior conducted the Colorado Statewide seat-belt study. A total of 770 sites were surveyed with a total of 112,022 vehicles observed. We recorded 139,293 vehicle occupants, including both drivers and front seat passengers. The 2021 Statewide seat-belt usage rate stands at 86.6% across the five vehicle categories of cars, vans, SUVs, trucks and commercial vehicles. This rate is a slight increase since 2020 when the statewide rate was 86.3%. Looking at the seat-belt rate from a historical perspective, the rate has improved significantly since 2012. In 2012, the statewide rate stood at 80.7% statewide. Hence, the overall increase in seat-belt usage since 2012 stands at 5.9% for a percentage increase of 7.3%  $((86.3 - 80.7)/80.7)$ .

In 2021, the five vehicle categories breakdown as follows. Passengers in **Cars** wore seat belts at a rate of 87.0%, which is a small improvement since 2020 when the rate stood at 86.1%. The **Vans** rate stands at 88.1% which is a drop from 90.2% found in the previous year. **SUVs** demonstrated a drop over the two years as the category stands at 85.9% in 2021, while it recorded a 90.9% in 2020. **Trucks** came in with a rate of 88.1% in 2021, which is a dramatic increase since 2020 when 78.3% was recorded. Finally, **Commercial Vehicles** stood at 76.2% in 2021, an improvement from 2020's 74.8% rate.

As mentioned above, the overall rate of 86.6%, is a 5.9% increase since 2012, and a percentage increase of 7.3%. All five categories have increased their seat-belt usage rate since 2012. In order of improvement from most to least improved gives us the following data: **Trucks** 16.4% (percentage increase of 22.87%), **Commercial Vehicles** 11.1% (percentage = 17%), **Cars** 4.7 (percentage = 5.7%), **Vans** 2.9% (percentage = 3.4%), and **SUVs** 1.3% (percentage = 1.5%).

There appears to be a meaningful difference in seat-belt usage based on the speed of vehicles traveling. Vehicles traveling *50 miles per hour or faster* recorded a seat-belt usage rate of 90.0% (C.I. 88.7% to 91.3%). When drivers are on roads with speed limits of *31-50*, the estimated seat-belt usage rate stands at 86.8% (C.I. 85.7% to 88.5%). In the slowest speeds, drivers are the least likely to wear their seat belts as demonstrated by the 84.1% (C.I. 81.6% to 86.7%) seat-belt usage rate found in the *0-30 mph* roads.

Seat-belt usage varied across the three types of road classes: *primary, secondary and local*. Occupants are most likely to wear the seat belt while riding on a *primary road* as 92.6% of the time seat belts were worn on these roads, (C.I. 90.7% to 94.4%). *Local roads* are the second highest for seat-belt usage with a rate of 86.4% (C.I. 84.9% to 87.9%). In the last category, *secondary roads* recorded a usage rate of 85.0% (C.I. 83.7% to 86.3%).

There appears to be a significant difference in seat-belt usage rates across the thirty-one counties surveyed. Nine of the counties surveyed recorded a usage rate of 90.0% or above, sixteen counties recorded rates of 80% to 89.9%, and only six (19% of counties) recorded seat-belt usage of less than 80%. These lowest rated counties are primarily rural counties with an average population per square mile of 99.4. On the contrary, the top ten seat-belt usage counties have an average of 626.5 people per square mile. Only one county in the bottom ten counties have a population of more than one-hundred per square mile: Jefferson at 744.

In summary, the 2021 Colorado Statewide seat-belt study illustrates an overall consistency from the previous year of 2020. The current overall rate of 86.6% is slightly higher than the 2020 rate of 86.3%. Over the last nine years, the overall rate, as well as the rate across each vehicle category, has dramatically improved. *Commercial vehicles* is the only category still below 80% compliance, standing at 76.2%. However, *Commercial vehicles* have improved from 65.1% in 2012 (an absolute increase of 11.1%, and a percentage increase of 17%).



**Appendix 1**  
**Statewide Seat-belt Usage**  
**by Counties in Alphabetical order**

	<b># Of Sites</b>	<b>Estimate %</b>	<b>Std Error</b>	<b>CV %</b>	<b>Lower 95% Limit</b>	<b>Upper 95% Limit</b>
ADAMS	44	86.2	1.3	1.56	83.6	88.9
ALAMOSA	11	85.9	1.0	1.13	84.0	87.8
ARAPAHOE	44	95.3	0.9	0.91	93.6	97.0
BOULDER	44	90.1	1.2	1.33	87.7	92.4
CHAFFEE	11	76.0	2.2	2.92	71.7	80.4
CHEYENNE	11	71.5	6.4	8.89	59.0	84.0
CLEAR CREEK	44	83.8	2.9	3.40	78.2	89.4
DELTA	11	88.2	1.2	1.35	85.8	90.5
DENVER	44	95.0	0.5	0.55	93.9	96.0
DOUGLAS	44	91.4	0.8	0.85	89.9	92.9
EAGLE	11	84.6	2.7	3.19	79.3	89.8
EL PASO	44	85.9	1.7	2.00	82.6	89.3
FREMONT	11	74.1	4.2	5.61	66.0	82.3
GARFIELD	11	92.0	1.8	2.00	88.4	95.6
GUNNISON	11	91.4	1.7	1.81	88.2	94.6
JEFFERSON	44	79.0	1.8	2.26	75.5	82.5
KIT CARSON	11	82.8	8.1	9.78	66.9	98.6
LA PLATA	11	88.3	1.6	1.83	85.1	91.5
LARIMER	44	86.0	0.9	1.04	84.3	87.8
LAS ANIMAS	11	85.9	4.1	4.81	77.8	94.0
LINCOLN	11	89.2	4.1	4.61	81.2	97.3
MESA	44	86.1	1.6	1.91	82.9	89.4
MOFFAT	11	88.2	1.9	2.20	84.4	92.0
MONTEZUMA	11	83.7	1.5	1.76	80.8	86.6
MONTROSE	11	92.8	2.0	2.15	88.9	96.7
MORGAN	11	90.5	3.5	3.86	83.7	97.4
OTERO	11	81.1	1.8	2.18	77.6	84.5
PARK	44	93.4	0.8	0.84	91.9	95.0

PUEBLO	44	66.2	2.7	4.11	60.8	71.5
SUMMIT	11	89.1	1.8	2.06	85.5	92.7
WELD	44	71.6	1.8	2.47	68.2	75.1

## Appendix 2

### Number of Segments Selected (n) by County and MTFCC

County	MTFCC Code			Total
	Primary: S1100	Secondary: S1200	Local: S1400	
ADAMS	10	17	17	44
ALAMOSA	0	11	0	11
ARAPAHOE	5	16	23	44
BOULDER	0	26	18	44
CHAFFEE	0	11	0	11
CHEYENNE	0	11	0	11
CLEAR CREEK	18	20	6	44
DELTA	0	11	0	11
DENVER	8	18	18	44
DOUGLAS	6	15	23	44
EAGLE	6	5	0	11
EL PASO	5	14	25	44
FREMONT	0	11	0	11
GARFIELD	4	7	0	11
GUNNISON	0	11	0	11
JEFFERSON	3	23	18	44
KIT CARSON	3	8	0	11
LA PLATA	0	11	0	11
LARIMER	1	24	19	44
LAS ANIMAS	3	8	0	11
LINCOLN	3	8	0	11
MESA	9	22	13	44
MOFFAT	0	11	0	11
MONTEZUMA	0	11	0	11
MONTROSE	0	11	0	11
MORGAN	3	8	0	11
OTERO	0	11	0	11
PARK	0	23	21	44

PUEBLO	7	21	16	44
SUMMIT	3	8	0	11
WELD	4	25	15	44

### Appendix 3

#### Weights for the Colorado State Seat-Belt Usage Observational Survey

<b>County</b>	<b>MTFCC</b>	<b>Sampling Weight</b>	<b>Selection Probability</b>
Adams	S1100/S1200	76.51	0.0131
Adams	S1400	1377.12	0.0007
Alamosa	S1100/S1200	24.54	0.0408
Arapahoe	S1100/S1200	56.25	0.0178
Arapahoe	S1400	1012.44	0.0010
Boulder	S1100/S1200	60.11	0.0166
Boulder	S1400	1081.96	0.0009
Chaffee	S1100/S1200	40.00	0.0250
Cheyenne	S1100/S1200	20.54	0.0487
Clear Creek	S1100/S1200	13.78	0.0726
Clear Creek	S1400	248.00	0.0040
Delta	S1100/S1200	56.46	0.0177
Denver	S1100/S1200	62.72	0.0159
Denver	S1400	1129.04	0.0009
Douglas	S1100/S1200	37.98	0.0263
Douglas	S1400	683.56	0.0015
Eagle	S1100/S1200	77.85	0.0128
El Paso	S1100/S1200	93.21	0.0107
El Paso	S1400	1677.77	0.0006
Fremont	S1100/S1200	62.31	0.0160
Garfield	S1100/S1200	99.15	0.0101
Gunnison	S1100/S1200	53.54	0.0187
Jefferson	S1100/S1200	81.60	0.0123
Jefferson	S1400	1468.83	0.0007
Kit Carson	S1100/S1200	33.15	0.0302
La Plata	S1100/S1200	77.38	0.0129

Larimer	S1100/S1200	74.40	0.0134
Larimer	S1400	1339.29	0.0007
Las Animas	S1100/S1200	65.38	0.0153
Lincoln	S1100/S1200	40.62	0.0246
Mesa	S1100/S1200	48.65	0.0206
Mesa	S1400	875.63	0.0011
Moffatt	S1100/S1200	72.77	0.0137
Montezuma	S1100/S1200	87.77	0.0114
Montrose	S1100/S1200	72.08	0.0139
Morgan	S1100/S1200	58.92	0.0170
Otero	S1100/S1200	97.77	0.0102
Park	S1100/S1200	24.02	0.0416
Park	S1400	432.35	0.0023
Pueblo	S1100/S1200	54.87	0.0182
Pueblo	S1400	987.65	0.0010
Summit	S1100/S1200	46.54	0.0215
Weld	S1100/S1200	70.65	0.0142
Weld	S1400	1271.65	0.0008

## Appendix 4

### Weights for the Colorado State Seat-belt Usage Observational Survey by Survey Site

Site	County	MTFCC	Sampling Weight	SelectionProb
ADAMS				
1	Adams	Primary	76.50641	0.0130708
2	Adams	Primary	76.50641	0.0130708
3	Adams	Primary	76.50641	0.0130708
4	Adams	Primary	76.50641	0.0130708
5	Adams	Primary	76.50641	0.0130708
6	Adams	Primary	76.50641	0.0130708
7	Adams	Primary	76.50641	0.0130708
8	Adams	Primary	76.50641	0.0130708
9	Adams	Primary	76.50641	0.0130708
10	Adams	Primary	76.50641	0.0130708
11	Adams	Secondary	76.50641	0.0130708
12	Adams	Secondary	76.50641	0.0130708
13	Adams	Secondary	76.50641	0.0130708
14	Adams	Secondary	76.50641	0.0130708
15	Adams	Secondary	76.50641	0.0130708
16	Adams	Secondary	76.50641	0.0130708
17	Adams	Secondary	76.50641	0.0130708
18	Adams	Secondary	76.50641	0.0130708
19	Adams	Secondary	76.50641	0.0130708
20	Adams	Secondary	76.50641	0.0130708
21	Adams	Secondary	76.50641	0.0130708
22	Adams	Secondary	76.50641	0.0130708
23	Adams	Secondary	76.50641	0.0130708
24	Adams	Secondary	76.50641	0.0130708
25	Adams	Secondary	76.50641	0.0130708
26	Adams	Secondary	76.50641	0.0130708
27	Adams	Secondary	76.50641	0.0130708
28	Adams	Local	1377.11538	0.00072616
29	Adams	Local	1377.11538	0.00072616

30	Adams	Local	1377.11538	0.00072616
31	Adams	Local	1377.11538	0.00072616
32	Adams	Local	1377.11538	0.00072616
33	Adams	Local	1377.11538	0.00072616
34	Adams	Local	1377.11538	0.00072616
35	Adams	Local	1377.11538	0.00072616
36	Adams	Local	1377.11538	0.00072616
37	Adams	Local	1377.11538	0.00072616
38	Adams	Local	1377.11538	0.00072616
39	Adams	Local	1377.11538	0.00072616
40	Adams	Local	1377.11538	0.00072616
41	Adams	Local	1377.11538	0.00072616
42	Adams	Local	1377.11538	0.00072616
43	Adams	Local	1377.11538	0.00072616
44	Adams	Local	1377.11538	0.00072616
ALAMOSA				
45	Alamosa	Secondary	24.53846	0.04075235
46	Alamosa	Secondary	24.53846	0.04075235
47	Alamosa	Secondary	24.53846	0.04075235
48	Alamosa	Secondary	24.53846	0.04075235
49	Alamosa	Secondary	24.53846	0.04075235
50	Alamosa	Secondary	24.53846	0.04075235
51	Alamosa	Secondary	24.53846	0.04075235
52	Alamosa	Secondary	24.53846	0.04075235
53	Alamosa	Secondary	24.53846	0.04075235
54	Alamosa	Secondary	24.53846	0.04075235
55	Alamosa	Secondary	24.53846	0.04075235
ARAPAHOE				
56	Arapahoe	Primary	56.24679	0.01777879
57	Arapahoe	Primary	56.24679	0.01777879
58	Arapahoe	Primary	56.24679	0.01777879
59	Arapahoe	Primary	56.24679	0.01777879
60	Arapahoe	Primary	56.24679	0.01777879



61	Arapahoe	Secondary	56.24679	0.01777879
62	Arapahoe	Secondary	56.24679	0.01777879
63	Arapahoe	Secondary	56.24679	0.01777879
64	Arapahoe	Secondary	56.24679	0.01777879
65	Arapahoe	Secondary	56.24679	0.01777879
66	Arapahoe	Secondary	56.24679	0.01777879
67	Arapahoe	Secondary	56.24679	0.01777879
68	Arapahoe	Secondary	56.24679	0.01777879
69	Arapahoe	Secondary	56.24679	0.01777879
70	Arapahoe	Secondary	56.24679	0.01777879
71	Arapahoe	Secondary	56.24679	0.01777879
72	Arapahoe	Secondary	56.24679	0.01777879
73	Arapahoe	Secondary	56.24679	0.01777879
74	Arapahoe	Secondary	56.24679	0.01777879
75	Arapahoe	Secondary	56.24679	0.01777879
76	Arapahoe	Secondary	56.24679	0.01777879
77	Arapahoe	Local	1012.44231	0.00098771
78	Arapahoe	Local	1012.44231	0.00098771
79	Arapahoe	Local	1012.44231	0.00098771
80	Arapahoe	Local	1012.44231	0.00098771
81	Arapahoe	Local	1012.44231	0.00098771
82	Arapahoe	Local	1012.44231	0.00098771
83	Arapahoe	Local	1012.44231	0.00098771
84	Arapahoe	Local	1012.44231	0.00098771
85	Arapahoe	Local	1012.44231	0.00098771
86	Arapahoe	Local	1012.44231	0.00098771
87	Arapahoe	Local	1012.44231	0.00098771
88	Arapahoe	Local	1012.44231	0.00098771
89	Arapahoe	Local	1012.44231	0.00098771
90	Arapahoe	Local	1012.44231	0.00098771
91	Arapahoe	Local	1012.44231	0.00098771
92	Arapahoe	Local	1012.44231	0.00098771
93	Arapahoe	Local	1012.44231	0.00098771

94	Arapahoe	Local	1012.44231	0.00098771
95	Arapahoe	Local	1012.44231	0.00098771
96	Arapahoe	Local	1012.44231	0.00098771
97	Arapahoe	Local	1012.44231	0.00098771
98	Arapahoe	Local	1012.44231	0.00098771
99	Arapahoe	Local	1012.44231	0.00098771
BOULDER				
100	Boulder	Secondary	60.10897	0.01663645
101	Boulder	Secondary	60.10897	0.01663645
102	Boulder	Secondary	60.10897	0.01663645
103	Boulder	Secondary	60.10897	0.01663645
104	Boulder	Secondary	60.10897	0.01663645
105	Boulder	Secondary	60.10897	0.01663645
106	Boulder	Secondary	60.10897	0.01663645
107	Boulder	Secondary	60.10897	0.01663645
108	Boulder	Secondary	60.10897	0.01663645
109	Boulder	Secondary	60.10897	0.01663645
110	Boulder	Secondary	60.10897	0.01663645
111	Boulder	Secondary	60.10897	0.01663645
112	Boulder	Secondary	60.10897	0.01663645
113	Boulder	Secondary	60.10897	0.01663645
114	Boulder	Secondary	60.10897	0.01663645
115	Boulder	Secondary	60.10897	0.01663645
116	Boulder	Secondary	60.10897	0.01663645
117	Boulder	Secondary	60.10897	0.01663645
118	Boulder	Secondary	60.10897	0.01663645
119	Boulder	Secondary	60.10897	0.01663645
120	Boulder	Secondary	60.10897	0.01663645
121	Boulder	Secondary	60.10897	0.01663645
122	Boulder	Secondary	60.10897	0.01663645
123	Boulder	Secondary	60.10897	0.01663645
124	Boulder	Secondary	60.10897	0.01663645
125	Boulder	Secondary	60.10897	0.01663645

126	Boulder	Local	1081.96154	0.00092425
127	Boulder	Local	1081.96154	0.00092425
128	Boulder	Local	1081.96154	0.00092425
129	Boulder	Local	1081.96154	0.00092425
130	Boulder	Local	1081.96154	0.00092425
131	Boulder	Local	1081.96154	0.00092425
132	Boulder	Local	1081.96154	0.00092425
133	Boulder	Local	1081.96154	0.00092425
134	Boulder	Local	1081.96154	0.00092425
135	Boulder	Local	1081.96154	0.00092425
136	Boulder	Local	1081.96154	0.00092425
137	Boulder	Local	1081.96154	0.00092425
138	Boulder	Local	1081.96154	0.00092425
139	Boulder	Local	1081.96154	0.00092425
140	Boulder	Local	1081.96154	0.00092425
141	Boulder	Local	1081.96154	0.00092425
142	Boulder	Local	1081.96154	0.00092425
143	Boulder	Local	1081.96154	0.00092425
CHAFFEE				
144	Chaffee	Secondary	40	0.025
145	Chaffee	Secondary	40	0.025
146	Chaffee	Secondary	40	0.025
147	Chaffee	Secondary	40	0.025
148	Chaffee	Secondary	40	0.025
149	Chaffee	Secondary	40	0.025
150	Chaffee	Secondary	40	0.025
151	Chaffee	Secondary	40	0.025
152	Chaffee	Secondary	40	0.025
153	Chaffee	Secondary	40	0.025
154	Chaffee	Secondary	40	0.025
CHEYENNE				
155	Cheyenne	Secondary	20.53846	0.04868914
156	Cheyenne	Secondary	20.53846	0.04868914

157	Cheyenne	Secondary	20.53846	0.04868914
158	Cheyenne	Secondary	20.53846	0.04868914
159	Cheyenne	Secondary	20.53846	0.04868914
160	Cheyenne	Secondary	20.53846	0.04868914
161	Cheyenne	Secondary	20.53846	0.04868914
162	Cheyenne	Secondary	20.53846	0.04868914
163	Cheyenne	Secondary	20.53846	0.04868914
164	Cheyenne	Secondary	20.53846	0.04868914
165	Cheyenne	Secondary	20.53846	0.04868914
CLEAR CREEK				
166	Clear Creek	Primary	13.77778	0.07258065
167	Clear Creek	Primary	13.77778	0.07258065
168	Clear Creek	Primary	13.77778	0.07258065
169	Clear Creek	Primary	13.77778	0.07258065
170	Clear Creek	Primary	13.77778	0.07258065
171	Clear Creek	Primary	13.77778	0.07258065
172	Clear Creek	Primary	13.77778	0.07258065
173	Clear Creek	Primary	13.77778	0.07258065
174	Clear Creek	Primary	13.77778	0.07258065
175	Clear Creek	Primary	13.77778	0.07258065
176	Clear Creek	Primary	13.77778	0.07258065
177	Clear Creek	Primary	13.77778	0.07258065
178	Clear Creek	Primary	13.77778	0.07258065
179	Clear Creek	Primary	13.77778	0.07258065
180	Clear Creek	Primary	13.77778	0.07258065
181	Clear Creek	Primary	13.77778	0.07258065
182	Clear Creek	Primary	13.77778	0.07258065
183	Clear Creek	Secondary	13.77778	0.07258065
184	Clear Creek	Secondary	13.77778	0.07258065
185	Clear Creek	Secondary	13.77778	0.07258065
186	Clear Creek	Secondary	13.77778	0.07258065
187	Clear Creek	Secondary	13.77778	0.07258065
188	Clear Creek	Secondary	13.77778	0.07258065

189	Clear Creek	Secondary	13.77778	0.07258065
190	Clear Creek	Secondary	13.77778	0.07258065
191	Clear Creek	Secondary	13.77778	0.07258065
192	Clear Creek	Secondary	13.77778	0.07258065
193	Clear Creek	Secondary	13.77778	0.07258065
194	Clear Creek	Secondary	13.77778	0.07258065
195	Clear Creek	Secondary	13.77778	0.07258065
196	Clear Creek	Secondary	13.77778	0.07258065
197	Clear Creek	Secondary	13.77778	0.07258065
198	Clear Creek	Secondary	13.77778	0.07258065
199	Clear Creek	Secondary	13.77778	0.07258065
200	Clear Creek	Secondary	13.77778	0.07258065
201	Clear Creek	Secondary	13.77778	0.07258065
204	Clear Creek	Local	248	0.00403226
205	Clear Creek	Local	248	0.00403226
206	Clear Creek	Local	248	0.00403226
207	Clear Creek	Local	248	0.00403226
208	Clear Creek	Local	248	0.00403226
804	Clear Creek	Primary	13.77778	0.07258065
805	Clear Creek	Secondary	13.77778	0.07258065
808	Clear Creek	Local	248	0.00403226
DELTA				
210	Delta	Secondary	56.46154	0.01771117
211	Delta	Secondary	56.46154	0.01771117
212	Delta	Secondary	56.46154	0.01771117
213	Delta	Secondary	56.46154	0.01771117
214	Delta	Secondary	56.46154	0.01771117
215	Delta	Secondary	56.46154	0.01771117
216	Delta	Secondary	56.46154	0.01771117
217	Delta	Secondary	56.46154	0.01771117
218	Delta	Secondary	56.46154	0.01771117
219	Delta	Secondary	56.46154	0.01771117
220	Delta	Secondary	56.46154	0.01771117

DENVER				
221	Denver	Primary	62.72436	0.01594277
222	Denver	Primary	62.72436	0.01594277
223	Denver	Primary	62.72436	0.01594277
224	Denver	Primary	62.72436	0.01594277
225	Denver	Primary	62.72436	0.01594277
226	Denver	Primary	62.72436	0.01594277
227	Denver	Primary	62.72436	0.01594277
228	Denver	Primary	62.72436	0.01594277
229	Denver	Secondary	62.72436	0.01594277
230	Denver	Secondary	62.72436	0.01594277
231	Denver	Secondary	62.72436	0.01594277
232	Denver	Secondary	62.72436	0.01594277
233	Denver	Secondary	62.72436	0.01594277
234	Denver	Secondary	62.72436	0.01594277
235	Denver	Secondary	62.72436	0.01594277
236	Denver	Secondary	62.72436	0.01594277
237	Denver	Secondary	62.72436	0.01594277
238	Denver	Secondary	62.72436	0.01594277
239	Denver	Secondary	62.72436	0.01594277
240	Denver	Secondary	62.72436	0.01594277
241	Denver	Secondary	62.72436	0.01594277
242	Denver	Secondary	62.72436	0.01594277
243	Denver	Secondary	62.72436	0.01594277
244	Denver	Secondary	62.72436	0.01594277
245	Denver	Secondary	62.72436	0.01594277
246	Denver	Secondary	62.72436	0.01594277
247	Denver	Local	1129.03846	0.00088571
248	Denver	Local	1129.03846	0.00088571
249	Denver	Local	1129.03846	0.00088571
250	Denver	Local	1129.03846	0.00088571
251	Denver	Local	1129.03846	0.00088571
252	Denver	Local	1129.03846	0.00088571

253	Denver	Local	1129.03846	0.00088571
254	Denver	Local	1129.03846	0.00088571
255	Denver	Local	1129.03846	0.00088571
256	Denver	Local	1129.03846	0.00088571
257	Denver	Local	1129.03846	0.00088571
258	Denver	Local	1129.03846	0.00088571
259	Denver	Local	1129.03846	0.00088571
260	Denver	Local	1129.03846	0.00088571
261	Denver	Local	1129.03846	0.00088571
262	Denver	Local	1129.03846	0.00088571
263	Denver	Local	1129.03846	0.00088571
264	Denver	Local	1129.03846	0.00088571
DOUGLAS				
265	Douglas	Primary	37.97543	0.02633282
266	Douglas	Primary	37.97543	0.02633282
267	Douglas	Primary	37.97543	0.02633282
268	Douglas	Primary	37.97543	0.02633282
269	Douglas	Primary	37.97543	0.02633282
270	Douglas	Primary	37.97543	0.02633282
271	Douglas	Secondary	37.97543	0.02633282
272	Douglas	Secondary	37.97543	0.02633282
273	Douglas	Secondary	37.97543	0.02633282
274	Douglas	Secondary	37.97543	0.02633282
275	Douglas	Secondary	37.97543	0.02633282
276	Douglas	Secondary	37.97543	0.02633282
277	Douglas	Secondary	37.97543	0.02633282
278	Douglas	Secondary	37.97543	0.02633282
279	Douglas	Secondary	37.97543	0.02633282
280	Douglas	Secondary	37.97543	0.02633282
281	Douglas	Secondary	37.97543	0.02633282
282	Douglas	Secondary	37.97543	0.02633282
283	Douglas	Secondary	37.97543	0.02633282
284	Douglas	Secondary	37.97543	0.02633282

285	Douglas	Secondary	37.97543	0.02633282
286	Douglas	Local	683.55769	0.00146293
287	Douglas	Local	683.55769	0.00146293
288	Douglas	Local	683.55769	0.00146293
289	Douglas	Local	683.55769	0.00146293
290	Douglas	Local	683.55769	0.00146293
291	Douglas	Local	683.55769	0.00146293
292	Douglas	Local	683.55769	0.00146293
293	Douglas	Local	683.55769	0.00146293
294	Douglas	Local	683.55769	0.00146293
295	Douglas	Local	683.55769	0.00146293
296	Douglas	Local	683.55769	0.00146293
297	Douglas	Local	683.55769	0.00146293
298	Douglas	Local	683.55769	0.00146293
299	Douglas	Local	683.55769	0.00146293
300	Douglas	Local	683.55769	0.00146293
301	Douglas	Local	683.55769	0.00146293
302	Douglas	Local	683.55769	0.00146293
303	Douglas	Local	683.55769	0.00146293
304	Douglas	Local	683.55769	0.00146293
305	Douglas	Local	683.55769	0.00146293
306	Douglas	Local	683.55769	0.00146293
307	Douglas	Local	683.55769	0.00146293
308	Douglas	Local	683.55769	0.00146293
EAGLE				
309	Eagle	Primary	77.84615	0.01284585
310	Eagle	Primary	77.84615	0.01284585
311	Eagle	Primary	77.84615	0.01284585
312	Eagle	Primary	77.84615	0.01284585
313	Eagle	Primary	77.84615	0.01284585
314	Eagle	Primary	77.84615	0.01284585
315	Eagle	Secondary	77.84615	0.01284585
316	Eagle	Secondary	77.84615	0.01284585



317	Eagle	Secondary	77.84615	0.01284585
318	Eagle	Secondary	77.84615	0.01284585
319	Eagle	Secondary	77.84615	0.01284585
EL PASO				
320	El Paso	Primary	93.2094	0.01072853
321	El Paso	Primary	93.2094	0.01072853
322	El Paso	Primary	93.2094	0.01072853
323	El Paso	Primary	93.2094	0.01072853
324	El Paso	Primary	93.2094	0.01072853
325	El Paso	Secondary	93.2094	0.01072853
326	El Paso	Secondary	93.2094	0.01072853
327	El Paso	Secondary	93.2094	0.01072853
328	El Paso	Secondary	93.2094	0.01072853
329	El Paso	Secondary	93.2094	0.01072853
330	El Paso	Secondary	93.2094	0.01072853
331	El Paso	Secondary	93.2094	0.01072853
332	El Paso	Secondary	93.2094	0.01072853
333	El Paso	Secondary	93.2094	0.01072853
334	El Paso	Secondary	93.2094	0.01072853
335	El Paso	Secondary	93.2094	0.01072853
336	El Paso	Secondary	93.2094	0.01072853
337	El Paso	Secondary	93.2094	0.01072853
338	El Paso	Secondary	93.2094	0.01072853
339	El Paso	Local	1677.76923	0.00059603
340	El Paso	Local	1677.76923	0.00059603
341	El Paso	Local	1677.76923	0.00059603
342	El Paso	Local	1677.76923	0.00059603
343	El Paso	Local	1677.76923	0.00059603
344	El Paso	Local	1677.76923	0.00059603
345	El Paso	Local	1677.76923	0.00059603
346	El Paso	Local	1677.76923	0.00059603
347	El Paso	Local	1677.76923	0.00059603
348	El Paso	Local	1677.76923	0.00059603

349	El Paso	Local	1677.76923	0.00059603
350	El Paso	Local	1677.76923	0.00059603
351	El Paso	Local	1677.76923	0.00059603
352	El Paso	Local	1677.76923	0.00059603
353	El Paso	Local	1677.76923	0.00059603
354	El Paso	Local	1677.76923	0.00059603
355	El Paso	Local	1677.76923	0.00059603
356	El Paso	Local	1677.76923	0.00059603
357	El Paso	Local	1677.76923	0.00059603
358	El Paso	Local	1677.76923	0.00059603
359	El Paso	Local	1677.76923	0.00059603
360	El Paso	Local	1677.76923	0.00059603
361	El Paso	Local	1677.76923	0.00059603
362	El Paso	Local	1677.76923	0.00059603
363	El Paso	Local	1677.76923	0.00059603
FREMONT				
364	Fremont	Secondary	62.30769	0.01604938
365	Fremont	Secondary	62.30769	0.01604938
366	Fremont	Secondary	62.30769	0.01604938
367	Fremont	Secondary	62.30769	0.01604938
368	Fremont	Secondary	62.30769	0.01604938
369	Fremont	Secondary	62.30769	0.01604938
370	Fremont	Secondary	62.30769	0.01604938
371	Fremont	Secondary	62.30769	0.01604938
372	Fremont	Secondary	62.30769	0.01604938
373	Fremont	Secondary	62.30769	0.01604938
374	Fremont	Secondary	62.30769	0.01604938
GARFIELD				
375	Garfield	Primary	99.15385	0.01008534
376	Garfield	Primary	99.15385	0.01008534
377	Garfield	Primary	99.15385	0.01008534
378	Garfield	Primary	99.15385	0.01008534
379	Garfield	Secondary	99.15385	0.01008534

380	Garfield	Secondary	99.15385	0.01008534
381	Garfield	Secondary	99.15385	0.01008534
382	Garfield	Secondary	99.15385	0.01008534
383	Garfield	Secondary	99.15385	0.01008534
384	Garfield	Secondary	99.15385	0.01008534
385	Garfield	Secondary	99.15385	0.01008534
GUNNISON				
386	Gunnison	Secondary	53.53846	0.01867816
387	Gunnison	Secondary	53.53846	0.01867816
388	Gunnison	Secondary	53.53846	0.01867816
389	Gunnison	Secondary	53.53846	0.01867816
390	Gunnison	Secondary	53.53846	0.01867816
391	Gunnison	Secondary	53.53846	0.01867816
392	Gunnison	Secondary	53.53846	0.01867816
393	Gunnison	Secondary	53.53846	0.01867816
394	Gunnison	Secondary	53.53846	0.01867816
395	Gunnison	Secondary	53.53846	0.01867816
396	Gunnison	Secondary	53.53846	0.01867816
JEFFERSON				
397	Jefferson	Primary	81.6015	0.01225468
398	Jefferson	Primary	81.6015	0.01225468
399	Jefferson	Primary	81.6015	0.01225468
400	Jefferson	Secondary	81.6015	0.01225468
401	Jefferson	Secondary	81.6015	0.01225468
402	Jefferson	Secondary	81.6015	0.01225468
403	Jefferson	Secondary	81.6015	0.01225468
404	Jefferson	Secondary	81.6015	0.01225468
405	Jefferson	Secondary	81.6015	0.01225468
406	Jefferson	Secondary	81.6015	0.01225468
407	Jefferson	Secondary	81.6015	0.01225468
408	Jefferson	Secondary	81.6015	0.01225468
409	Jefferson	Secondary	81.6015	0.01225468
410	Jefferson	Secondary	81.6015	0.01225468

411	Jefferson	Secondary	81.6015	0.01225468
412	Jefferson	Secondary	81.6015	0.01225468
413	Jefferson	Secondary	81.6015	0.01225468
414	Jefferson	Secondary	81.6015	0.01225468
415	Jefferson	Secondary	81.6015	0.01225468
416	Jefferson	Secondary	81.6015	0.01225468
417	Jefferson	Secondary	81.6015	0.01225468
418	Jefferson	Secondary	81.6015	0.01225468
419	Jefferson	Secondary	81.6015	0.01225468
420	Jefferson	Secondary	81.6015	0.01225468
421	Jefferson	Secondary	81.6015	0.01225468
422	Jefferson	Secondary	81.6015	0.01225468
423	Jefferson	Local	1468.82692	0.00068082
424	Jefferson	Local	1468.82692	0.00068082
425	Jefferson	Local	1468.82692	0.00068082
426	Jefferson	Local	1468.82692	0.00068082
427	Jefferson	Local	1468.82692	0.00068082
428	Jefferson	Local	1468.82692	0.00068082
429	Jefferson	Local	1468.82692	0.00068082
430	Jefferson	Local	1468.82692	0.00068082
431	Jefferson	Local	1468.82692	0.00068082
432	Jefferson	Local	1468.82692	0.00068082
433	Jefferson	Local	1468.82692	0.00068082
434	Jefferson	Local	1468.82692	0.00068082
435	Jefferson	Local	1468.82692	0.00068082
436	Jefferson	Local	1468.82692	0.00068082
437	Jefferson	Local	1468.82692	0.00068082
438	Jefferson	Local	1468.82692	0.00068082
439	Jefferson	Local	1468.82692	0.00068082
440	Jefferson	Local	1468.82692	0.00068082
KIT CARSON				
441	Kit Carson	Primary	33.15385	0.03016241
442	Kit Carson	Primary	33.15385	0.03016241

443	Kit Carson	Primary	33.15385	0.03016241
444	Kit Carson	Secondary	33.15385	0.03016241
445	Kit Carson	Secondary	33.15385	0.03016241
446	Kit Carson	Secondary	33.15385	0.03016241
447	Kit Carson	Secondary	33.15385	0.03016241
448	Kit Carson	Secondary	33.15385	0.03016241
449	Kit Carson	Secondary	33.15385	0.03016241
450	Kit Carson	Secondary	33.15385	0.03016241
451	Kit Carson	Secondary	33.15385	0.03016241
LA PLATA				
452	La Plata	Secondary	77.38462	0.01292247
453	La Plata	Secondary	77.38462	0.01292247
454	La Plata	Secondary	77.38462	0.01292247
455	La Plata	Secondary	77.38462	0.01292247
456	La Plata	Secondary	77.38462	0.01292247
457	La Plata	Secondary	77.38462	0.01292247
458	La Plata	Secondary	77.38462	0.01292247
459	La Plata	Secondary	77.38462	0.01292247
460	La Plata	Secondary	77.38462	0.01292247
461	La Plata	Secondary	77.38462	0.01292247
462	La Plata	Secondary	77.38462	0.01292247
LARIMER				
463	Larimer	Primary	74.40491	0.01343997
464	Larimer	Secondary	74.40491	0.01343997
465	Larimer	Secondary	74.40491	0.01343997
466	Larimer	Secondary	74.40491	0.01343997
467	Larimer	Secondary	74.40491	0.01343997
468	Larimer	Secondary	74.40491	0.01343997
469	Larimer	Secondary	74.40491	0.01343997
470	Larimer	Secondary	74.40491	0.01343997
471	Larimer	Secondary	74.40491	0.01343997
472	Larimer	Secondary	74.40491	0.01343997
473	Larimer	Secondary	74.40491	0.01343997

474	Larimer	Secondary	74.40491	0.01343997
475	Larimer	Secondary	74.40491	0.01343997
476	Larimer	Secondary	74.40491	0.01343997
477	Larimer	Secondary	74.40491	0.01343997
478	Larimer	Secondary	74.40491	0.01343997
479	Larimer	Secondary	74.40491	0.01343997
480	Larimer	Secondary	74.40491	0.01343997
481	Larimer	Secondary	74.40491	0.01343997
482	Larimer	Secondary	74.40491	0.01343997
483	Larimer	Secondary	74.40491	0.01343997
484	Larimer	Secondary	74.40491	0.01343997
485	Larimer	Secondary	74.40491	0.01343997
486	Larimer	Secondary	74.40491	0.01343997
487	Larimer	Secondary	74.40491	0.01343997
488	Larimer	Local	1339.28846	0.00074667
489	Larimer	Local	1339.28846	0.00074667
490	Larimer	Local	1339.28846	0.00074667
491	Larimer	Local	1339.28846	0.00074667
492	Larimer	Local	1339.28846	0.00074667
493	Larimer	Local	1339.28846	0.00074667
494	Larimer	Local	1339.28846	0.00074667
495	Larimer	Local	1339.28846	0.00074667
496	Larimer	Local	1339.28846	0.00074667
497	Larimer	Local	1339.28846	0.00074667
498	Larimer	Local	1339.28846	0.00074667
499	Larimer	Local	1339.28846	0.00074667
500	Larimer	Local	1339.28846	0.00074667
501	Larimer	Local	1339.28846	0.00074667
502	Larimer	Local	1339.28846	0.00074667
503	Larimer	Local	1339.28846	0.00074667
504	Larimer	Local	1339.28846	0.00074667
505	Larimer	Local	1339.28846	0.00074667
506	Larimer	Local	1339.28846	0.00074667

LAS ANIMAS				
507	Las Animas	Primary	65.38462	0.01529412
508	Las Animas	Primary	65.38462	0.01529412
509	Las Animas	Primary	65.38462	0.01529412
510	Las Animas	Secondary	65.38462	0.01529412
511	Las Animas	Secondary	65.38462	0.01529412
512	Las Animas	Secondary	65.38462	0.01529412
513	Las Animas	Secondary	65.38462	0.01529412
514	Las Animas	Secondary	65.38462	0.01529412
515	Las Animas	Secondary	65.38462	0.01529412
516	Las Animas	Secondary	65.38462	0.01529412
517	Las Animas	Secondary	65.38462	0.01529412
LINCOLN				
518	Lincoln	Primary	40.61538	0.02462121
519	Lincoln	Primary	40.61538	0.02462121
521	Lincoln	Secondary	40.61538	0.02462121
522	Lincoln	Secondary	40.61538	0.02462121
523	Lincoln	Secondary	40.61538	0.02462121
524	Lincoln	Secondary	40.61538	0.02462121
525	Lincoln	Secondary	40.61538	0.02462121
526	Lincoln	Secondary	40.61538	0.02462121
527	Lincoln	Secondary	40.61538	0.02462121
528	Lincoln	Secondary	40.61538	0.02462121
865	Lincoln	Primary	40.61538	0.02462121
MESA				
529	Mesa	Primary	48.64637	0.02055652
530	Mesa	Primary	48.64637	0.02055652
531	Mesa	Primary	48.64637	0.02055652
532	Mesa	Primary	48.64637	0.02055652
533	Mesa	Primary	48.64637	0.02055652
534	Mesa	Primary	48.64637	0.02055652
535	Mesa	Primary	48.64637	0.02055652
536	Mesa	Primary	48.64637	0.02055652

537	Mesa	Primary	48.64637	0.02055652
538	Mesa	Secondary	48.64637	0.02055652
539	Mesa	Secondary	48.64637	0.02055652
540	Mesa	Secondary	48.64637	0.02055652
541	Mesa	Secondary	48.64637	0.02055652
542	Mesa	Secondary	48.64637	0.02055652
543	Mesa	Secondary	48.64637	0.02055652
544	Mesa	Secondary	48.64637	0.02055652
545	Mesa	Secondary	48.64637	0.02055652
546	Mesa	Secondary	48.64637	0.02055652
547	Mesa	Secondary	48.64637	0.02055652
548	Mesa	Secondary	48.64637	0.02055652
549	Mesa	Secondary	48.64637	0.02055652
550	Mesa	Secondary	48.64637	0.02055652
551	Mesa	Secondary	48.64637	0.02055652
552	Mesa	Secondary	48.64637	0.02055652
553	Mesa	Secondary	48.64637	0.02055652
554	Mesa	Secondary	48.64637	0.02055652
555	Mesa	Secondary	48.64637	0.02055652
556	Mesa	Secondary	48.64637	0.02055652
557	Mesa	Secondary	48.64637	0.02055652
558	Mesa	Secondary	48.64637	0.02055652
559	Mesa	Secondary	48.64637	0.02055652
560	Mesa	Local	875.63462	0.00114203
561	Mesa	Local	875.63462	0.00114203
562	Mesa	Local	875.63462	0.00114203
563	Mesa	Local	875.63462	0.00114203
564	Mesa	Local	875.63462	0.00114203
565	Mesa	Local	875.63462	0.00114203
566	Mesa	Local	875.63462	0.00114203
567	Mesa	Local	875.63462	0.00114203
568	Mesa	Local	875.63462	0.00114203
569	Mesa	Local	875.63462	0.00114203



570	Mesa	Local	875.63462	0.00114203
571	Mesa	Local	875.63462	0.00114203
572	Mesa	Local	875.63462	0.00114203
MOFFAT				
573	Moffat	Secondary	72.76923	0.01374207
574	Moffat	Secondary	72.76923	0.01374207
575	Moffat	Secondary	72.76923	0.01374207
576	Moffat	Secondary	72.76923	0.01374207
577	Moffat	Secondary	72.76923	0.01374207
578	Moffat	Secondary	72.76923	0.01374207
579	Moffat	Secondary	72.76923	0.01374207
580	Moffat	Secondary	72.76923	0.01374207
581	Moffat	Secondary	72.76923	0.01374207
582	Moffat	Secondary	72.76923	0.01374207
583	Moffat	Secondary	72.76923	0.01374207
MONTEZUMA				
584	Montezuma	Secondary	87.76923	0.01139351
585	Montezuma	Secondary	87.76923	0.01139351
586	Montezuma	Secondary	87.76923	0.01139351
587	Montezuma	Secondary	87.76923	0.01139351
588	Montezuma	Secondary	87.76923	0.01139351
589	Montezuma	Secondary	87.76923	0.01139351
590	Montezuma	Secondary	87.76923	0.01139351
591	Montezuma	Secondary	87.76923	0.01139351
592	Montezuma	Secondary	87.76923	0.01139351
593	Montezuma	Secondary	87.76923	0.01139351
594	Montezuma	Secondary	87.76923	0.01139351
MONTROSE				
595	Montrose	Secondary	72.07692	0.01387407
596	Montrose	Secondary	72.07692	0.01387407
597	Montrose	Secondary	72.07692	0.01387407
598	Montrose	Secondary	72.07692	0.01387407
599	Montrose	Secondary	72.07692	0.01387407

600	Montrose	Secondary	72.07692	0.01387407
601	Montrose	Secondary	72.07692	0.01387407
602	Montrose	Secondary	72.07692	0.01387407
603	Montrose	Secondary	72.07692	0.01387407
604	Montrose	Secondary	72.07692	0.01387407
605	Montrose	Secondary	72.07692	0.01387407
MORGAN				
606	Morgan	Primary	58.92308	0.01697128
607	Morgan	Primary	58.92308	0.01697128
608	Morgan	Primary	58.92308	0.01697128
609	Morgan	Secondary	58.92308	0.01697128
610	Morgan	Secondary	58.92308	0.01697128
611	Morgan	Secondary	58.92308	0.01697128
612	Morgan	Secondary	58.92308	0.01697128
613	Morgan	Secondary	58.92308	0.01697128
614	Morgan	Secondary	58.92308	0.01697128
615	Morgan	Secondary	58.92308	0.01697128
616	Morgan	Secondary	58.92308	0.01697128
OTERO				
617	Otero	Secondary	97.76923	0.01022817
618	Otero	Secondary	97.76923	0.01022817
619	Otero	Secondary	97.76923	0.01022817
620	Otero	Secondary	97.76923	0.01022817
621	Otero	Secondary	97.76923	0.01022817
622	Otero	Secondary	97.76923	0.01022817
623	Otero	Secondary	97.76923	0.01022817
624	Otero	Secondary	97.76923	0.01022817
625	Otero	Secondary	97.76923	0.01022817
626	Otero	Secondary	97.76923	0.01022817
627	Otero	Secondary	97.76923	0.01022817
PARK				
628	Park	Secondary	24.01923	0.04163331
629	Park	Secondary	24.01923	0.04163331

630	Park	Secondary	24.01923	0.04163331
631	Park	Secondary	24.01923	0.04163331
632	Park	Secondary	24.01923	0.04163331
633	Park	Secondary	24.01923	0.04163331
634	Park	Secondary	24.01923	0.04163331
635	Park	Secondary	24.01923	0.04163331
636	Park	Secondary	24.01923	0.04163331
637	Park	Secondary	24.01923	0.04163331
638	Park	Secondary	24.01923	0.04163331
639	Park	Secondary	24.01923	0.04163331
640	Park	Secondary	24.01923	0.04163331
641	Park	Secondary	24.01923	0.04163331
642	Park	Secondary	24.01923	0.04163331
643	Park	Secondary	24.01923	0.04163331
644	Park	Secondary	24.01923	0.04163331
645	Park	Secondary	24.01923	0.04163331
646	Park	Secondary	24.01923	0.04163331
647	Park	Secondary	24.01923	0.04163331
648	Park	Secondary	24.01923	0.04163331
649	Park	Secondary	24.01923	0.04163331
650	Park	Secondary	24.01923	0.04163331
651	Park	Local	432.34615	0.00231296
652	Park	Local	432.34615	0.00231296
653	Park	Local	432.34615	0.00231296
654	Park	Local	432.34615	0.00231296
655	Park	Local	432.34615	0.00231296
656	Park	Local	432.34615	0.00231296
657	Park	Local	432.34615	0.00231296
658	Park	Local	432.34615	0.00231296
659	Park	Local	432.34615	0.00231296
660	Park	Local	432.34615	0.00231296
661	Park	Local	432.34615	0.00231296
662	Park	Local	432.34615	0.00231296

663	Park	Local	432.34615	0.00231296
664	Park	Local	432.34615	0.00231296
665	Park	Local	432.34615	0.00231296
666	Park	Local	432.34615	0.00231296
667	Park	Local	432.34615	0.00231296
668	Park	Local	432.34615	0.00231296
669	Park	Local	432.34615	0.00231296
670	Park	Local	432.34615	0.00231296
671	Park	Local	432.34615	0.00231296
PUEBLO				
672	Pueblo	Primary	54.86966	0.01822501
673	Pueblo	Primary	54.86966	0.01822501
674	Pueblo	Primary	54.86966	0.01822501
675	Pueblo	Primary	54.86966	0.01822501
676	Pueblo	Primary	54.86966	0.01822501
677	Pueblo	Primary	54.86966	0.01822501
678	Pueblo	Primary	54.86966	0.01822501
679	Pueblo	Secondary	54.86966	0.01822501
680	Pueblo	Secondary	54.86966	0.01822501
681	Pueblo	Secondary	54.86966	0.01822501
682	Pueblo	Secondary	54.86966	0.01822501
683	Pueblo	Secondary	54.86966	0.01822501
684	Pueblo	Secondary	54.86966	0.01822501
685	Pueblo	Secondary	54.86966	0.01822501
686	Pueblo	Secondary	54.86966	0.01822501
687	Pueblo	Secondary	54.86966	0.01822501
688	Pueblo	Secondary	54.86966	0.01822501
689	Pueblo	Secondary	54.86966	0.01822501
690	Pueblo	Secondary	54.86966	0.01822501
691	Pueblo	Secondary	54.86966	0.01822501
692	Pueblo	Secondary	54.86966	0.01822501
693	Pueblo	Secondary	54.86966	0.01822501
694	Pueblo	Secondary	54.86966	0.01822501

695	Pueblo	Secondary	54.86966	0.01822501
696	Pueblo	Secondary	54.86966	0.01822501
697	Pueblo	Secondary	54.86966	0.01822501
698	Pueblo	Secondary	54.86966	0.01822501
699	Pueblo	Secondary	54.86966	0.01822501
700	Pueblo	Local	987.65385	0.0010125
701	Pueblo	Local	987.65385	0.0010125
702	Pueblo	Local	987.65385	0.0010125
703	Pueblo	Local	987.65385	0.0010125
704	Pueblo	Local	987.65385	0.0010125
705	Pueblo	Local	987.65385	0.0010125
706	Pueblo	Local	987.65385	0.0010125
707	Pueblo	Local	987.65385	0.0010125
708	Pueblo	Local	987.65385	0.0010125
709	Pueblo	Local	987.65385	0.0010125
710	Pueblo	Local	987.65385	0.0010125
711	Pueblo	Local	987.65385	0.0010125
712	Pueblo	Local	987.65385	0.0010125
713	Pueblo	Local	987.65385	0.0010125
714	Pueblo	Local	987.65385	0.0010125
715	Pueblo	Local	987.65385	0.0010125
SUMMIT				
716	Summit	Primary	46.53846	0.0214876
717	Summit	Primary	46.53846	0.0214876
718	Summit	Primary	46.53846	0.0214876
719	Summit	Secondary	46.53846	0.0214876
720	Summit	Secondary	46.53846	0.0214876
721	Summit	Secondary	46.53846	0.0214876
722	Summit	Secondary	46.53846	0.0214876
723	Summit	Secondary	46.53846	0.0214876
724	Summit	Secondary	46.53846	0.0214876
725	Summit	Secondary	46.53846	0.0214876
726	Summit	Secondary	46.53846	0.0214876

WELD				
727	Weld	Primary	70.64744	0.0141548
728	Weld	Primary	70.64744	0.0141548
729	Weld	Primary	70.64744	0.0141548
730	Weld	Primary	70.64744	0.0141548
731	Weld	Secondary	70.64744	0.0141548
732	Weld	Secondary	70.64744	0.0141548
733	Weld	Secondary	70.64744	0.0141548
734	Weld	Secondary	70.64744	0.0141548
735	Weld	Secondary	70.64744	0.0141548
736	Weld	Secondary	70.64744	0.0141548
737	Weld	Secondary	70.64744	0.0141548
738	Weld	Secondary	70.64744	0.0141548
739	Weld	Secondary	70.64744	0.0141548
740	Weld	Secondary	70.64744	0.0141548
741	Weld	Secondary	70.64744	0.0141548
742	Weld	Secondary	70.64744	0.0141548
743	Weld	Secondary	70.64744	0.0141548
744	Weld	Secondary	70.64744	0.0141548
745	Weld	Secondary	70.64744	0.0141548
746	Weld	Secondary	70.64744	0.0141548
747	Weld	Secondary	70.64744	0.0141548
748	Weld	Secondary	70.64744	0.0141548
749	Weld	Secondary	70.64744	0.0141548
750	Weld	Secondary	70.64744	0.0141548
751	Weld	Secondary	70.64744	0.0141548
752	Weld	Secondary	70.64744	0.0141548
753	Weld	Secondary	70.64744	0.0141548
754	Weld	Secondary	70.64744	0.0141548
755	Weld	Secondary	70.64744	0.0141548
756	Weld	Local	1271.65385	0.00078638
757	Weld	Local	1271.65385	0.00078638
758	Weld	Local	1271.65385	0.00078638

759	Weld	Local	1271.65385	0.00078638
760	Weld	Local	1271.65385	0.00078638
761	Weld	Local	1271.65385	0.00078638
762	Weld	Local	1271.65385	0.00078638
763	Weld	Local	1271.65385	0.00078638
764	Weld	Local	1271.65385	0.00078638
765	Weld	Local	1271.65385	0.00078638
766	Weld	Local	1271.65385	0.00078638
767	Weld	Local	1271.65385	0.00078638
768	Weld	Local	1271.65385	0.00078638
769	Weld	Local	1271.65385	0.00078638
770	Weld	Local	1271.65385	0.00078638

**(NOTE: There are 3 Alternate Sites used for Survey. Site IDs greater than 770 reference those Alternate Sites from Reserve Pool)**

Appendix 5  
Training Syllabus

Welcome and distribution of equipment  
Survey overview  
Data collection techniques

- Definitions of belt/booster seat use, passenger vehicles
- Observation protocol
  - Weekday/weekend/rush hour/non-rush hour
- Weather conditions
- Duration at each site

Scheduling and rescheduling

- Site Assignment Sheet
- Daylight
  - Temporary impediments such as weather
  - Permanent impediments at data collection sites

Site locations

- Locating assigned sites
  - Interstate ramps and surface streets
  - Direction of travel/number of observed lanes
- Non-intersection requirement
- Alternate site selection

Data collection forms

- Cover sheet
- Recording observations
- Recording alternate site information

Assembling forms for shipment  
Safety and security  
Timesheet and expense reports  
Field practice at ramps and surface streets



Appendix 6

Colorado Average Motor Vehicle Crash-Related Fatalities by County 2010-2014

FARS (2010-2014) State=Colorado				
State	County	Average fatality counts for 5 years	Fatality percentage within the state	Cumulative fatality percentage
Colorado	EL PASO	48.6	10	10
Colorado	WELD	41.2	8.5	18.5
Colorado	DENVER	38.2	7.9	26.4
Colorado	JEFFERSON	36.8	7.6	34
Colorado	ADAMS	30	6.2	40.2
Colorado	ARAPAHOE	25.2	5.2	45.4
Colorado	LARIMER	21	4.3	49.7
Colorado	PUEBLO	20.6	4.2	54
Colorado	BOULDER	18.2	3.8	57.7
Colorado	MESA	15.6	3.2	60.9
Colorado	DOUGLAS	13.8	2.8	63.8
Colorado	LA PLATA	10.2	2.1	65.9
Colorado	GARFIELD	8.4	1.7	67.6
Colorado	FREMONT	7.2	1.5	69.1
Colorado	DELTA	6.4	1.3	70.4
Colorado	MORGAN	6.2	1.3	71.7
Colorado	EAGLE	6	1.2	72.9
Colorado	MONTEZUMA	5.8	1.2	74.1
Colorado	LAS ANIMAS	5.2	1.1	75.2
Colorado	LINCOLN	5	1	76.3
Colorado	KIT CARSON	4.8	1	77.2
Colorado	PARK	4.6	0.9	78.2
Colorado	OTERO	4.2	0.9	79.1
Colorado	CHEYENNE	4	0.8	79.9
Colorado	SUMMIT	4	0.8	80.7
Colorado	ALAMOSA	3.8	0.8	81.5
Colorado	MONTROSE	3.8	0.8	82.3
Colorado	MOFFAT	3.8	0.8	83
Colorado	CHAFFEE	3.6	0.7	83.8
Colorado	GUNNISON	3.6	0.7	84.5
Colorado	CLEAR CREEK	3.5	0.7	85.3
Colorado	ELBERT	3.4	0.7	86
Colorado	WASHINGTON	3.4	0.7	86.7
Colorado	LOGAN	3.2	0.7	87.3
Colorado	BACA	3	0.6	87.9
Colorado	ROUTT	3	0.6	88.6
Colorado	HUERFANO	2.8	0.6	89.1
Colorado	PROWERS	2.8	0.6	89.7
Colorado	YUMA	2.8	0.6	90.3
Colorado	COSTILLA	2.5	0.5	90.8
Colorado	DOLOROS	2.5	0.5	91.3
Colorado	SAGUACHE	2.5	0.5	91.8
Colorado	SAN MIGUEL	2.5	0.5	92.4
Colorado	BLOOMFIELD	2.4	0.5	92.8
Colorado	RIO GRANDE	2.4	0.5	93.3
Colorado	CONEJOS	2.3	0.5	93.8
Colorado	ARCHULETA	2.2	0.5	94.3
Colorado	GRAND	2.2	0.5	94.7
Colorado	TELLER	2.2	0.5	95.2
Colorado	LAKE	2	0.4	95.6
Colorado	PHILLIPS	2	0.4	96
Colorado	PITKIN	2	0.4	96.4
Colorado	RIO BLANCO	2	0.4	96.8
Colorado	SAN JUAN	2	0.4	97.2
Colorado	SEDGWICK	2	0.4	97.6

Colorado	CUSTER	1.8	0.4	98
Colorado	BENT	1.7	0.3	98.3
Colorado	KIOWA	1.5	0.3	98.7
Colorado	OURAY	1.5	0.3	99
Colorado	CROWLEY	1	0.2	99.2
Colorado	GILPIN	1	0.2	99.4
Colorado	HINSDALE	1	0.2	99.6
Colorado	JACKSON	1	0.2	99.8
Colorado	MINERAL	1	0.2	100

Appendix 7

**Codes for Road Segment File**

S1100	Primary Road	Primary roads are generally divided, limited-access highways within the interstate highway system or under state management, and are distinguished by the presence of interchanges. These highways are accessible by ramps and may include some toll highways.
S1200	Secondary Road	Secondary roads are main arteries, usually in the U.S. Highway, State Highway or County Highway system. These roads have one or more lanes of traffic in each direction, may or may not be divided, and usually have at-grade intersections with many other roads and driveways. They often have both a local name and a route number.
S1400	Local Neighborhood Road, Rural Road, City Street	These are generally paved non-arterial streets, roads, or byways that usually have a single lane of traffic in each direction. Roads in this feature class may be privately or publicly maintained. Scenic park roads would be included in this feature class, as would (depending on the region of the country) some unpaved roads.