## BENNETT

 CITY LIMIT
## ELEV 5483 FT

## FNAL Conidor Conditions Assessment Report

## SH 79 and Kıowa-Bennett Corridor <br> Planning and Environmental Linkage Study



January 2013


Submitted by


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## INTRODUCTION

## SH 79 and Kiowa-Bennett Corridor Planning and Environmental Linkage Study

The Town of Bennett, Adams County, Arapahoe County, and the Colorado Department of Transportation (CDOT), hired

This report documents the
current and anticipated future
conditions of the coridor with
regard to land use, the
transportation system, and
environmental resources. The
information presented in this report will be the basis for developing and evaluating possible transportation improvements in the study a rea. the David Evans and Associates, Inc. (DEA) team to produce a Planning and Environmental Linkage (PEL) Report to provide an overview and understanding of potential improvements to State Highway (SH) 79 near Bennett and Kiowa-Bennett Road south of I-70.

A PEL represents an approach to transportation decision-making that considers environmental, community and economic goals early in the planning stage and carries them through project development, design and construction.

This Corridor Conditions Report documents the current and anticipated future conditions of the corridor with regard to land use, the transportation system, and environmental resources and environmentally sensitive areas; this is mostly comprised of readily available data and field survey information. This report summarizes data collected as part of this study effort, data already available from CDOT, Town of Bennett, Arapahoe County, Adams County and other agencies, and the results of the evaluation of existing transportation conditions and environmental resources in the study area. The information presented in this report will be used in the development and analysis of improvement alternatives.

The purpose of the environmental overview within this report is to identify environmental resources early in the planning process in order to consider sensitive environmental resources and avoid potential fatal flaws. The intent is not to identify impacts but rather to identify potential "red flag" resource areas for use in alternatives analysis to avoid and minimize impacts to resources during subsequent study phases while developing alternatives that meet project Purpose and Need.

If a recommended improvement project receives Federal funding and/or involves a State or Federal facility, the results of the PEL Study will be carried forward at that time into project development, additional environmental review (National Environmental Policy Act (NEPA)-level or similar state environmental review process), design, and ultimately construction, maintenance, and operations.

## Study Area

SH 79 begins at I-70 and continues north. SH 79 is the Town of Bennett's most important north/south transportation corridor and Adams County's most important rural transportation corridor that supports regional mobility and economic activity for Bennett. However, regional corridor traffic must maneuver the Town's local street system and an at-grade crossing of the Union Pacific Railroad (UPRR) tracks.

## SH 79 and Kio wa-Bennett Corridor PEL STudy

Kiowa-Bennett Road serves as a regional north-south corridor through eastern Arapahoe County. Kiowa-Bennett Road does not have full, direct access to I-70 and traffic traveling between KiowaBennett Road and SH 79 must travel along Colfax Avenue/US 36 and through downtown Bennett. Improving regional connectivity and access to the I-70 corridor will be essential to achieve economic development for eastern Adams and Arapahoe Counties.

The traffic study roadways and environmental resource review study area are illustrated in Figure 1. The study area limits include SH 79, Kiowa-Bennett Road, Colfax Avenue/US 36, and I-70. The environmental resource review area for the project is focused around the area of most likely physical impacts of corridor transportation improvements. To take into account the potential for indirect or secondary effects to community or environmental resources as a result of the proposed action, the initial focus area was extended to the back property line of area parcels to be more inclusive. The area includes the area generally bounded by Penrith Road to the west, the southern edge of Antelope Hills to the south, Colfax Avenue/US 36 and County Road 2 to the east, and 38th Avenue to the north. The traffic evaluation includes SH 79 south of 38th Avenue and the existing I-70 interchanges at SH 79, Kiowa-Bennett Road, and Colfax Avenue/US 36.

Figure 1: Study Area


## LAND USE AND Community Profile

Planning for future growth and land uses is an important local government responsibility. A community's

The planning, design, and construction of roads and
highways, as well as other transportation modes, is often based on land use development pattems and trends and affects existing la nd uses and plans, and proposals forfuture development. Comprehensive Plan, including its land use plan, reflects its desires and vision with respect to future growth and development. It is important to understand each community's vision and plan for the area in order to provide the best opportunity for proposed improvements which seamlessly integrate with existing and future land use. A variety of different sources were reviewed to create a summary of a community profile and land use maps. The summary was created using parcel data from the counties, US Census Bureau information, a visual inspection of the study area, and local land use planning documents.

## Community Profile

The community profile consists of population, household and employment characteristics for the study area, along with a summary of growth projections. These estimates and projections are extrapolated from data presented in the Town of Bennett Comprehensive Plan.

## Population, Household and Employment Characteristics

The study area's 2010 population of 2,308 persons is concentrated in the Town of Bennett. The population grew by 287 people between 2000 and 2010, which is an average annual rate of 1.3 percent. Households increased by 119 units over the past decade, from 715 to 834 households, an average annual rate of 1.6 percent. The average household size dropped from 2.83 people per household in 2000 to 2.77 in 2010. The average age of residents in the study area increased from 30.9 in 2000 to 35.2 in 2010. However, the average age is less than the average age of residents in Adams County (36.1) and Arapahoe County (35.7), reflecting a younger population than surrounding communities. Nearly one quarter of people in the study area ( 24.7 percent) is under the age of 15.

The study area experienced significant employment growth between 2001 and 2009. During this time, wage and salary employment nearly doubled from 417 to 786 jobs for an annual average growth rate of 8.2 percent. The study area's employment growth pattern is unique as jobs outpaced household growth by a ratio of $3: 1$. This is principally due to new commercial growth at the interchange of I-70 and KiowaBennett Road which serves a very large, rural trade area.

## Growth Projections

Significant growth is projected between 2010 and 2035 for the eastern I-70 corridor from Watkins to Deer Trail, which includes the study area. The eastern l-70 corridor is estimated to grow by 6,454 housing units and 2,568 new jobs. This projected growth in housing units and employment equates to 1,381 acres of land demand: 1,149 acres of land is needed for new housing; 43 acres for office, 71 acres
for retail and 118 acres for industrial uses. These base numbers were forecasted using Denver Regional Council of Governments (DRCOG) growth rates, with modifications to reflect more current projections made by the Colorado Department of Local Affairs and the Center for Business and Economic Forecasts.

The study area is well-positioned to capture a considerable portion of this growth, as supporting water and sanitary sewer systems are either available or planned by the Town of Bennett. The Town's well water system can currently support an estimated 300 acres of new development within the study area. For sanitary sewer, Bennett utilizes a lagoon with a design capacity to serve a population of 10,000; current demand is less than 25 percent of design capacity. With the Town intending to introduce a renewable water supply into the study area, the prospect for growth and land development within the study area is substantial.

## Current Land Use

The study area is located in a rural area characterized by a concentrated mixture of residential, commercial, industrial and public/institutional properties surrounded by predominantly agricultural land. Existing dedicated open space is limited to the Kiowa Creek open space area south of I-70.

With the exception of the Antelope Hills residential subdivision located south of I-70, urban uses are generally located north of I-70 within the Town of Bennett's incorporated boundaries. Bennett consists primarily of low density, single family residential neighborhoods with light industrial development on its northern and eastern edges. The UPRR rail line and its core area industrial use transect the community generally along the Colfax Avenue/US 36 alignment. There is a limited amount of highway commercial development interspersed with vacant lots and structures along SH 79 as it winds through the original plat section of Bennett in the center of town. Recent commercial retail development is concentrated on the north side of the SH 79/I-70 interchange, which consists of the Love's Truck Stop and King Soopers.

Current land uses are depicted In Figure 2. The designated land uses are relatively consistent with the zoning of three jurisdictions that regulate land use within the study area: Town of Bennett, Arapahoe County, and Adams County. Land development codes, adoption dates, and relevant zoning are summarized in Table 1.

Table 1: Relevant Codes and Zoning

| Relevant Codes | Date Adopted | Study Area Zoning |
| :---: | :---: | :---: |
| Town of Bennett Land Use and Development Code | February 2011 | Bennett is divided into 12 zoning districts. |
| Adams County Development Standards and Regulations | J anuary 2007 | Primarily A-3 zoning, with a few A-1 parcels. The A-3 zoning district provides land primarily in holdings of at least 35 acres for dry land or inigated farming, pasturage, or other related food production uses. The A-1 zoning district provid es for rural singlefamily dwellings and limited farming uses. |
| Arapahoe County Land Development Code | September 2011 | A-1 zoning. The primary uses allowed in the A-1 zoning district are agricultural and open land uses, agriculture-dependent or agriculture-related uses, and other uses supportive of a rural, agriculture-based economy. |

Figure 2: Existing Land Use


Source: Town of Bennett, Adams County, Arapahoe County and Plan Tools LLC

## Future Land Use

Future land uses are depicted in Figure 3. The land uses represented on this map reflects the local agencies' land use vision for the study area. The portion of the existing incorporated Town of Bennett surrounding the railroad and Colfax Avenue/US 36, as well as the Antelope Hills subdivision development is a well developed and mature urban environment with adequate services and infrastructure capability. Areas contiguous to this stable urban area are planned for urban development characterized by direct access to $1-70$ and proposed arterial roadways and transit, with the potential for targeted delivery of infrastructure and urban services. A variety of residential, commercial, light industrial, mixed use and open space land use designations are planned for these stable urban and developing urban areas. Passive open space is anticipated in the Antelope Hills subdivision with the transfer of the Antelope Hills Golf Course to the Town of Bennett. The future land use includes a plan for

## SH 79 and KIo wa-BennettC orridor PEL Study

a mixed-use development concept for a new downtown Bennett Main Street that could emerge with realignment of SH 79 and a railroad grade separation.

The Rural/Rural Preservation land use designation includes existing rural residential neighborhoods, large lot development, very low density cluster development and large agricultural land holdings that desire to remain rural in character. The Environmental land use designation is the 100-year flood plain for Kiowa Creek that transects the study area, representing significant value to current and future residents in terms of open space, trail systems, passive recreation, flood control, water quality and water supply.

Figure 3: Future Land Use


Source: Town of Bennett, Adams County, Arapahoe County and Plan Tools LLC

Several other local government comprehensive plans guide future land uses in the study area. Plans, adoption dates, and land uses for the study area are summarized in Table 2.

Table 2: Relevant Plans and Land Uses

| Relevant Plans | Date AdOPTED | Study Area Land UseS |
| :---: | :---: | :---: |
| Town of Bennett Comprehensive Plan | J a nua ry 2012 <br> Adopts by reference the 2010 Town of Bennett Downtown Study | Stable Urban, Developing Urban, Rural/Rural Preservation and Environmental planning tiers |
| Town of Bennett Downtown Study | J a nua ry 2012 | Main street concept with mixed-use office, reta il a nd residential development |
| AdamsCounty Comprehensive Plan | December 2012 | Agriculture, Natural Resource Conservation, Estate Residential, and Mixed Use/Employment designations |
| Arapahoe County Comprehensive Plan | Adopted J une 2001; currently undergoing revision | Rural and Riparian designations |
| Metro Vision 2035 | Originally adopted 1982 La test revision February 2011 | Long range, regional framework for metro wide growth and development |
| I-70 Comidor Economic Assessment | April 2011 | Market a na lysis, conditions assessment and action plan for eastem I-70 comidor |

Source: Town of Bennett, Adams County, Arapahoe County, DRCOG, EPS and Plan Tools แC

## EXISTING TRANSPORTATION SYSTEM

This report summarizes data collected as part of this study effort, data already available from CDOT, Town of Bennett, Arapahoe County, Adams County, and other agencies, and the results of the evaluation of existing transportation conditions.

## Roadway Network

SH 79 and Kiowa-Bennett Road provide both local and regional mobility within the study area.

## SH 79

SH 79 extends 22 miles from SH 52 at Prospect Valley south through Bennett to I-70. It is a regional north-south highway that is designated as an oversize load route by CDOT and a hazardous materials route by the Colorado Department of Public Safety.

Figure 4 illustrates the regional nature of SH 79. With the indirect connection to Kiowa-Bennett Road south of I-70 which connects to SH 86 at Kiowa, and south of Kiowa along Elbert Road to US 24, a 75mile north-south roadway corridor exists. This is the only north-south roadway corridor east of the Denver metro area until SH 71 at Limon, approximately 50 miles east of Bennett.

North of I-70, SH 79 is also primary entrance to the Bennett community, which makes it a dominant and focal element in the community. The stretch of highway from I-70 to Colfax Avenue/US 36 is also known as Converse Road. It is a two-lane rural highway with a posted speed limit of 35 miles per hour (MPH) through town and 50 MPH between I-70 and Colfax Avenue/US 36 and north of town to 38th Avenue. North of 38th Avenue, the speed limit is 65 MPH. CDOT recently conducted a speed study along the limits of SH 79 known as Converse Road and is recommending that the speed be reduced from 50 MPH to 45 MPH for approximately one mile both northbound and southbound.

SH 79 has an at-grade crossing of the UPRR in the center of town. The crossing is controlled with gates and lights. The sharply turned alignment of SH 79 through town and the at-grade crossing in the center of Bennett results in congestion and regional mobility issues.

CDOT defines the functional classification of SH 79 as a Major Collector. For access control, CDOT classifies SH 79 as Non Rural Arterial (NR-B) between I-70 and 38th Avenue and Rural Highway (R-B) from 38th Avenue north to SH 52 ( 20 miles north of the study area).

## Kiowa-Bennett Road

Kiowa-Bennett Road provides north-south travel from SH 86 in Kiowa in Elbert County ( 30 miles south of the study area), through Arapahoe County, to the intersection with Colfax Avenue/US 36 north of I-70. The roadway consists of two lanes and is relatively continuous, with a few curves. There is an off ramp for eastbound I-70, but other connections to I-70 are via Colfax Avenue/US 36 and County Road 2 east of Kiowa-Bennett Road. The speed limit along Kiowa-Bennett Road south of Colfax Avenue/US 36 is 45 MPH .

## Interstate 70

I-70 is a major east-west interstate highway that crosses the United States from Baltimore, Maryland to I-15 south of Salt Lake City, Utah. I70 crosses central Colorado and travels through the middle of the Denver metropolitan area. Within the study area from MP 303.0 to MP 308.0, I-70 is a four-lane divided rural interstate freeway with a posted speed limit of 75 MPH. I70 has a full diamond-style interchange at SH 79 with stop signs at the ramp intersections providing direct access to Bennett and an eastbound off ramp at Kiowa-Bennett Road, one mile east of SH 79. There is another eastbound off ramp, plus westbound off and on ramps at Colfax Avenue/US 36 and County Road 2, located one mile east of Kiowa-Bennett Road. The next l-70 interchange to the west is located at Manila Road, five miles west of SH 79.

There are a total of five bridges along this segment of I-70. There are two bridges that carry both westbound and eastbound I-70 over Kiowa Creek. Each of these bridges is approximately 40 feet in width to accommodate the two 12-foot travel lanes along with a 12-foot outside and 4-foot inside shoulder.

The overpasses at SH 79 and at Kiowa-Bennett Road are multi-span structures approximately 230 feet in length and 28 feet wide with two travel lanes and no sidewalks. The Kiowa-Bennett Road bridge over I-70 is considered structurally deficient and is scheduled for replacement. The overpass for the off ramp at Colfax Avenue/US 36 is also a multi-span structure approximately 330 feet in length and 28 feet wide with one travel lane serving ramp traffic.

Figure 4: Regional Map


## Colfax Avenue/US 36

Colfax Avenue/US 36 is a regional east-west highway that runs generally parallel to and south of the UPRR line within the study area. It is a two-lane rural highway with a posted speed limit of 35 MPH through town. The roadway provides a direct connection to Aurora and the Denver metropolitan area to the west and the towns of Strasburg and Byers to the east.

CDOT defines the functional classification of Colfax Avenue/US 36 as a Major Collector west of the SH 79/Adams Street intersection and as a Local east of the intersection. For access control, CDOT classifies Colfax Avenue/US 36 as a Non Rural Arterial (NR-B) between Penrith Road and Kiowa-Bennett Road. Outside that segment within the study area, Colfax Avenue/US 36 is designated as a Rural Highway (R-B) for access control.

## Roadway Features

Field visits of the study area were completed in October 2012 to document the locations and types of existing relevant roadway features such as shoulders, fencing, lighting, and design deficiencies.

## Cross Sections

Table 3 provides an outline of the number of lanes and shoulder treatment along the study area major roadways. I-70 has a consistent 50-foot wide grass median within the limits of the study area. SH 79 between Centennial Drive and Colfax Avenue/US 36 and SH 79 between Colfax Avenue/US 36 and 6th Street has raised median. Portions of SH 79, Colfax Avenue/US 36, and Kiowa-Bennett Road have painted medians at intersections. Lane widths on existing roadways meet state and local standards.

CDOT has programmed improvements along SH 79/Converse Road that will increase the northbound storage capacity and improve sight distance at the King Soopers access. Median restriping is also anticipated at the Colfax Avenue/US 36 and Palmer Avenue intersection. These improvements will be completed Spring 2013.

Guardrail exists along I-70 both in the median and along portions of the outside shoulder to protect the bridge piers and overpasses. Guardrail is placed on SH 79, Kiowa-Bennett Road, and Old Victory Road to protect against obstructions and steep slopes. There is guardrail along the outside shoulders of Colfax Avenue/US 36 at the bridge over Kiowa Creek.

Due to this being a rural area, there are stretches of fencing running along the right-of-way (ROW) of the I-70. There are no traffic signals at the SH 79 interchange or at other locations within the limits of I-70 access control. There are various types of fencing along the ROW of SH 79, Kiowa-Bennett Road, and Colfax Avenue/US 36, including barbed wire, chain link, and wood fences. There are no fences that pose an issue with clear zone within the study area.

## Lighting

There is no continuous freeway illumination along I-70 in the study area, although there is roadway lighting at the SH 79 interchange. There is roadway lighting provided on power poles along SH 79 and Colfax Avenue/US 36 through downtown Bennett.

Table 3: Lanes and Shoulder Treatment

| ROADWAY | LANES | SHOULDER TREATMENT |
| :---: | :---: | :---: |
| I-70 |  |  |
| EB I-70 | 2 general purpose | 4 ft inside shoulder, 12 ft outside shoulder |
| WB I-70 at Colfax Ave/US 36 Off Ramp | 2 general purpose | 4 ft inside shoulder, 12 ft outside shoulder |
| WB I-70 at SH 79 On Ramp | 2 general purpose | 4 ft inside shoulder, 8 ft outside shoulder |
| SH 79 |  |  |
| End of pavement to I-70 Interchange | 2 general purpose | No paved shoulders |
| l-70 Interchange to north of King Soopers shopping center | 2 general purpose, tum lanes | 1 ft paved shoulder NB, 4 ft pa ved shoulder SB |
| North of King Soopers shopping center to Bennett Ave | 2 general purpose | 4 ft paved shoulders |
| Bennett Ave to Centennial Dr | 2 SB general pumose, 1 NB general pupose, left tum lane | 8 ft should er NB, Curb and gutter SB |
| Centennial Dr to Colfax Ave/US 36 | 4 general purpose | Curb and gutter |
| Colfax Ave/US 36 to 6th St | 2 general purpose, tum lane at PalmerAve | Curb and gutter |
| 6th St to 8th St | 2 general purpose | Curb and gutter |
| 8th St to 38th Ave | 2 general purpose, tum lanes at Cemetery intersection | No paved shoulders |
| Colfax Ave/US 36 |  |  |
| Penrith Rd to SH 79/Converse Rd | 2 general purpose | No paved shoulders |
| SH 79/Converse Rd to Chemy St | 2 general purpose | 1 ft paved shoulder WB, 8 ft pa ved shoulder EB, Curb and gutter EB |
| Chemy St to SH 79/Adams St | 2 general purpose | 1 ft paved shoulders, Head-in parking on south side with curb and gutter |
| SH 79/Adams St to Viewridge Dr | 2 general purpose | 1 ft paved shoulders, Head-in parking on south side with curb and gutter |
| Viewridge Drto Kiowa Creek Bridge | 2 general purpose | 1 ft paved shoulders |
| Kiowa Creek Bridge to Kiowa-Bennett Rd | 2 general purpose | 8 ft paved shoulders |
| Kiowa-Bennett Rd to Colfax Ave/County Rd 2 | 2 general purpose | 1 ft paved shoulders |
| Colfax Ave/County Rd 2 to WB I-70 ramp | 2 general purpose | 1 ft paved shoulders |
| I-70 to Colfax Ave/County Rd 2 | 2 general purpose | 4 ft paved shoulders |
| Kiowa-Bennett Road |  |  |
| Mississippi Ave to Colfax Ave/US 36 | 2 general pupose, tum lanes at Antelope Hills intersection | No paved shoulders |

## SH 79 AND KIO WA-BENNETTC ORRIDOR PEL STUDY

## Corridor Area Constraints and Deficiencies

The project identified locations of design deficiencies. Potential deficiencies evaluated were clear zone/obstructions, side slope (i.e., too steep without guardrail), horizontal and vertical sight distance, and tapers. Listed in Table 4 and shown in Figure 5 are the areas that appeared to have potential design deficiencies.

There are two existing at-grade crossings of the UPRR within the study area at Palmer Avenue and SH 79/Adams Street and one at-grade crossing immediately west of the study area at Harback Road. The crossing at SH 79/Adams Street in the center of Bennett consists of two rail crossings, one crossing of the mainline and one crossing of the spur rail line. While these at-grade crossings are not design deficiencies, they are constraints to travel on the area transportation system.

Table 4: Study Area Potential Design Deficiencies

| Location | CONDITION |
| :---: | :---: |
| 1-70 |  |
| Through study a rea - SH 79 to ColfaxAve/US 36 interchange | Substandard shoulder width |
| SH 79 |  |
| End of Pavement to Colfax Ave/US 36 | Utility poles in clear zone |
| Bridge over I-70 | Poorvertical sight distance, no shoulders on bridge |
| Old Victory Rd intersection | Poor horizontal sight distance, poor intersection configuration |
| 38th Ave intersection | Poor vertical sight distance |
| Colfax Avenue/US 36 |  |
| At C uster St | Poor horizontal sight distance |
| Custer St to Kiowa Creek bridge | Poor vertic al sight distance |
| Kiowa Creek bridge to Colfax Ave/County Rd 2 | Poor vertic al sight distance |
| Colfax Ave/C ounty Rd 2 intersection | Poor intersection configuration |
| UPRR bridge over Colfax Ave/County Rd 2 | Vertical clearance 16 ft , bridge abutments in clearzone |
| Kiowa-Bennett Road |  |
| 6th Ave to $1-70$ | Poor vertic al sight distance, no shoulders |
| Bridge over I-70 | Struc turally defic ient |
| Old Victory Road |  |
| Kiowa Creek bridge to Provost Rd | Poor horizontal and vertical sight distance |
| Provost Rd to Colfax Ave | Poor horizontal and vertic al sight distance |

Source: Field visit by David Evans and Associates, October 2012

Figure 5: Area Constraints and Deficiencies


Source: Field visit by David Evans and Associates, October 2012

## Traffic Operations

Traffic count data were collected within the study area during September 2012. This data included peak hour turning movements at selected intersections and daily traffic on major roadways. Vehicle classification data was also collected. Daily traffic count data were available from CDOT, Arapahoe County, and the Town of Bennett. The collected traffic count data are included in Appendix A.

## Daily Traffic Volumes

The daily traffic counts collected for the project are summarized in Figure 6. According to CDOT count data, I-70 carries about 17,000 vehicles per day at the SH 79 interchange. East of the Kiowa-Bennett

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Road and Colfax Avenue/US 36 partial movement interchanges, the Average Annual Daily Traffic (AADT) volume on I-70 drops to 15,000 vehicles per day. Truck percentages on the freeway range from 11 percent to 15 percent west and east of the SH 79 and Kiowa-Bennett Road interchanges.

Figure 6: Daily Traffic Volume Counts


Source: All Traffic Data, September 2012
SH 79 between I-70 and downtown Bennett carries nearly 6,600 vehicles per day. North of Bennett, traffic volumes drop to under 2,100 vehicles per day. CDOT traffic data indicates that truck traffic on SH 79 at the UPRR crossing is about 10 percent of the total traffic. An increasing number of trucks are using SH 79 as oil and gas development is increasing in the surrounding counties. The percentage of trucks is particularly high on SH 79 at the I-70 interchange due to the truck stop just north of the interstate at SH 79.

Colfax Avenue/US 36 carries over 1,200 vehicles per day west of Bennett. East of town and the KiowaBennett Road intersection, Colfax Avenue/US 36 carries nearly 1,900 vehicles per day. South of I-70,

Kiowa-Bennett Road carries about 1,900 vehicles per day. South of the Antelope Hills subdivision, the daily traffic volume on Kiowa-Bennett drops to approximately 1,300 vehicles per day.

## Origin-Destination Survey

An origin-destination study was conducted to gain an understating of the existing underlying travel route characteristics within the study area. License plate survey data was collected on Tuesday, September 11, 2012 from 7:00 am to 7:00 pm. The license plate survey was conducted with video cameras located at the following six locations, consisting of five locations along the major roadways at the perimeter of the study area and one location in Bennett at the UPRR crossing:

- SH 79 - north of I-70 (north of Market Place access)
- Colfax Avenue/US 36 - west of study area (west of Penrith Road)
- SH 79/Palmer Avenue - north of UPRR crossing (east of Adams St)
- SH 79 - north of study area (north of 38th Avenue)
- Colfax Avenue/US 36 - east of study area (east of Kiowa-Bennett Road)
- Kiowa-Bennett Road - south of I-70 (south of 6th Avenue)

Images of license plates were recorded using high speed, high resolution video cameras. The video footage was digitally transferred to a database. The records in the database contain key data, such as the time of day and location of the license plate captured. The collected license plate data were matched between the different locations to determine the amount of traffic traveling through study area and the specific routes of each vehicle. The video cameras on the perimeter of the study area captured a total of 8,443 license plates during the 12 hours of the study. A total of 2,926 license plates were captured by the video camera located north of the UPRR crossing. The total number of license plates captured at each video camera location is shown in Table 5.

Table 5: Total License Plates Captured

| LOCATION | Direction |  | Total Traffic Volume CAPTURED by CAMERA |
| :---: | :---: | :---: | :---: |
|  | Traveling Into STUDY AREA | Traveling Out of Study Area |  |
| SH 79 - north of I-70 | 2,233 | 2,300 | 4,533 |
| Colfax Ave/US 36 - west of study a rea | 492 | 242 | 734 |
| SH 79/Palmer Ave - north of UPRR c rossing | 1,539 ${ }^{(1)}$ | 1,387 ${ }^{(2)}$ | 2,926 |
| SH 79 - north of study area | 578 | 668 | 1,246 |
| Colfax Ave/US 36 - east of study a rea | 619 | 666 | 1,285 |
| Kiowa-Bennett Rd - south of I-70 | 332 | 313 | 645 |

Source: All Traffic Data, September 2012
${ }^{(1)}$ Northbound on SH 79
(2) Southbound on SH 79

## SH 79 And Kio Wa-BennettC orridor PEL STudy

## Travel Patterns

Travel patterns were identified by matching license plates at the different camera locations. Table 6 illustrates the study area traffic volumes traveling through the study area from the license plates matched between the five perimeter cameras during the 12 hours of the study. The camera located north of the UPRR crossing was internal to the study area and was not used for the through trip matrix.

SH 79 north of the I-70 interchange was the highest volume origin and destination for vehicles traveling through the study area. The most prominent traffic route through the study area occurs between SH 79 north of I-70 and SH 79 north of the study area. This was the heaviest movement captured between cameras in both the northbound and southbound directions. Another major traffic route through the study area was captured between SH 79 north of I-70 and Colfax Avenue/US 36 east of Kiowa-Bennett Road. Most traffic traveling northbound on Kiowa-Bennett Road south of I-70 exited the study area on Colfax Avenue/US 36, probably headed to the Colfax Avenue/US 36 interchange to access westbound I70. The origin-destination study shows the traffic route between Kiowa-Bennett Road south of I-70 and SH 79 north of the study area as a relatively minor movement.

Table 6: Study Area Through Traffic Trip Matrix

| Origin | Destination |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | SH 79 - <br> NORTH <br> OF I-70 | $\begin{aligned} & \text { COLFAX/ } \\ & \text { US } 36 \text { - } \\ & \text { WEST } \end{aligned}$ | SH 79 NORTH | $\begin{gathered} \text { COLFAX/ } \\ \text { US } 36- \\ \text { EAST } \end{gathered}$ | KiowaBenneit Rd <br> - SOUTH OF \|-70 | TOTAL |
| SH 79 - north of I-70 | - | 89 | 297 | 200 | 58 | 644 |
| Colfax Ave/US 36 - west of study a rea | 205 | - | 34 | 78 | 31 | 348 |
| SH 79 - north of study a rea | 318 | 14 | - | 24 | 37 | 393 |
| Colfax Ave/US 36 - east of study a rea | 256 | 42 | 71 | - | 56 | 425 |
| Kiowa-Bennett Rd - south of I-70 | 83 | 6 | 32 | 114 | - | 235 |
| Total | 862 | 151 | 434 | 416 | 182 | 2,045 |

Source: All Traffic Data, September 2012

## Regional Traffic

Travel time field data indicated that it takes five to ten minutes to drive through the study area along any of the major study roadways. It was assumed that license plate matches for time periods longer than 15 minutes had meaningful stops along the way, indicating a local destination. For example, if there was a license plate match between the SH 79 camera located north of I-70 and the Colfax Avenue/US 36 camera located east of the study area that was 30 minutes apart, it was assumed that the driver stopped somewhere and did not simply pass-through the study area as regional traffic.

The regional traffic volumes that traveled between the license plate camera locations are summarized in Table 7. The regional volumes are also presented as a percentage of the total traffic volume collected at each location, which is shown graphically in figures included in Appendix B. The camera located north of the UPRR crossing was internal to the study area and was not used for the regional traffic summary.

Table 7: Origin-Destination Study - Regional Traffic

| LOCATION | REgional TRAFFIC | Total Traffic Volume Captured by Camera | Percent of TOTAL Volume |
| :---: | :---: | :---: | :---: |
| SH 79 - north of I-70 | 836 | 4,533 | 18\% |
| Colfax Ave/US 36 - west of study a rea | 254 | 734 | 35\% |
| SH 79 - north of study a rea | 599 | 1,246 | 48\% |
| Colfax Ave/US 36 - east of study area | 440 | 1,285 | 34\% |
| Kiowa-Bennett Rd - south of I-70 | 227 | 645 | 35\% |

Source: All Traffic Data, September 2012
The highest percentage of regional traffic was collected on SH 79 north of the study area. Approximately 600 of the 1,246 vehicles ( 48 percent) passed through Bennett on SH 79 without stopping within town, with the majority of these vehicles traveling to/from SH 79 north of I-70. SH 79 north of I-70 carried the lowest percentage of regional traffic with only 18 percent of the traffic collected traveling through town without stopping.

The origin-destination study shows that, while all of the study area roadways carry a relatively high percentage of regional traffic, SH 79 north of the study area carries the highest percentage of traffic traveling through the study area without a local destination. This indicates the affect regional "passthrough" traffic may have on the conflict and delay at the SH 79 at-grade railroad crossing within Bennett. The major travel patterns along the study roadways are illustrated in Figure 7.

## Peak Hour Intersection Traffic Volumes and Operational Analysis

Peak hour intersection traffic volumes are used to evaluate and quantify traffic operations and capacity of a roadway system. Peak hour intersection counts were collected at the six main unsignalized intersections within the study area.

The peak hour intersection and roadway traffic volumes show directional travel movements within the study area towards the I-70 interchanges along SH 79 and Kiowa-Bennett Road and westbound towards the Denver metropolitan area along I-70 and Colfax Avenue/US 36 during the AM peak hour. Traffic volumes on SH 79 and Kiowa-Bennett Road are directional away from the interstate during the PM peak hour as commuters return from the Denver metropolitan area. However, morning and afternoon peak traffic is more evenly distributed within the downtown Bennett development area and surrounding the SH 79 at-grade railroad crossing.

In order to conduct the existing conditions analysis, a traffic model of the SH 79, Colfax Avenue/US 36, and Kiowa-Bennett Road network was built using Synchro 8 traffic analysis software. Intersection operational analysis was completed utilizing methods outlined in the latest Highway Capacity Manual (HCM 2010) and Synchro. The existing lane configurations and peak hour volumes developed for this study were used to analyze the levels of service at each study intersection during the AM and PM peak hours. The intersection lane configurations are illustrated in Figure 8.

Figure 7: Existing Major Travel Patterns


Figure 8: Existing Intersection Lane Configurations


Source: Field visit by David Evans and Associates, September 2012
The assessment of traffic operations and levels of service (LOS) was completed for the existing peak hour traffic volumes for the unsignalized intersections in the study area. LOS is a method of describing traffic operations in general and comparable terms based on letter grading of A through F. LOS A would describe the best operations with little or no delay, and LOS F describes over-capacity conditions with poor traffic operations and high delay. Generally, LOS D would be a reasonable expectation for peakhour traffic operations where reasonable roadway capacity was provided within urban areas. Within rural areas, LOS C is generally expected for peak hour traffic operations. Arapahoe County has an established level of service threshold of LOS C for arterial roadways in rural areas, such as KiowaBennett Road.

The peak hour intersection traffic counts and results of the unsignalized operational analysis are illustrated in Figure 9. The only intersection to operate with a LOS F is the SH 79/Eastbound I-70 Ramps intersection, due to the northbound traffic from the Eastbound I-70 Off Ramp conflicting with the southbound SH 79 traffic turning onto the Eastbound I-70 On Ramp.

Figure 9: Existing Peak Hour Traffic Volumes and Level of Service


Source: Counts by All Traffic Data Services with analysis by David Evans and Associates

## Crash History

Crash history for the three-year period from January 1, 2009 through December 31, 2011 was examined for the major roadways within the study area to locate crash clusters and identify potential crash causes. Crash data for the study area was provided by CDOT, Adams County and Arapahoe County. Crashes along I-70 were examined for the section from Milepost 303.00 to Milepost 308.00. Crashes along SH 79, Kiowa-Bennett Road, East Colfax Ave, and Old Victory Road within the study area were also examined. The three year crash summary for the study area is shown in Figure 10.

As shown, only Colfax Avenue/US 36 has a crash rate above the statewide average (2010) for the corridor's functional classification.

Figure 10: Three Year Crash Summary (2009-2001)


Source: CDOT, Arapahoe County, Adams County, Statewide Average from 2010 CDOTAcc ident Book

The severity of crashes is summarized in Table 8. Approximately 86 percent of the crashes in the study area were Property Damage Only (PDO). No fatal crashes were reported.

Table 8: Study Area Crash Severity (2009-2011)

| Segment | Crash Severity |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Property Damage Only (PDO) |  | INJURY |  | FATALITY |  | TOTAL |
|  | Number | Percent | Number | Percent | Number | Percent |  |
| I-70 | 50 | 86\% | 8 | 14\% | 0 | 0\% | 58 |
| SH 79 | 7 | 70\% | 3 | 30\% | 0 | 0\% | 10 |
| Kiowa-Bennett Rd | 0 | 0\% | 0 | 0\% | 0 | 0\% | 0 |
| Colfax Ave/US 36 | 15 | 94\% | 1 | 6\% | 0 | 0\% | 16 |
| Total | 72 | 86\% | 12 | 14\% | 0 | 0\% | 84 |

Source: CDOT, Arapahoe County, Adams County
Excluding I-70, the majority of the crashes along the study area roadways were intersection-related. The types of crashes along each roadway are shown in Figure 11. On SH 79, most crashes were turning and broadside crashes, which may be caused by inadequate sight distance at unsignalized intersections. On Colfax Avenue/US 36, most crashes were turning and fixed object. All area roadways had a relatively low number of rear-end crashes, which indicates crashes are not caused by congestion.

Figure 11: Crash Type Distribution (2009-2011)


Source: CDOT, Arapahoe County, Adams County

## Rail Crossing Operations

Currently the UPRR operates the Limon Subdivision from Denver to Topeka, Kansas through Bennett. The Limon Subdivision consists of one main line track and a siding track extending west approximately 0.4 miles past Palmer Avenue. The siding track is primarily used for trains to pass, but it can be used to store cars for the Farmers co-op facilities during the harvest season or for other railroad uses. There is
also a spur track serving the co-op facilities east of the SH 79 at-grade crossing, which is utilized seasonally.

UPRR operates an average of ten through freight trains per day through Bennett. With the projected steady growth of the railroad industry through 2035, UPRR could add additional capacity on the Limon Subdivision to accommodate projected rail traffic growth, which could consist of one or two additional main line tracks. It is also possible that the UPRR could extend the existing Bennett siding to accommodate longer trains on the Limon Subdivision.

The Federal Railroad Administration (FRA) inventory information was collected for each of the three existing mainline at-grade highway-railroad crossings in Bennett. The UPRR traverses each of these crossings with a typical number of daily train movements of five through trains during the day and five through trains during the evening. Currently, the train schedule has changed temporarily with more nighttime train traffic to avoid construction on the rail line within the Denver area west of Bennett. There is one mainline track crossing, one siding, and one spur in Bennett. This section of rail line in the study area is not a designated quiet zone. The key characteristics of each crossing are described briefly in Table 9.

Crash data was retrieved from the Federal Railroad Administration, Office of Safety Analysis. Since 1977, there has been one incident involving both a train and automobile at the SH 79/Adams Street atgrade railroad crossing in Bennett. The one crash resulted in no injuries because the driver was out of the vehicle.

Table 9: Existing Railroad Crossing Characteristics

| Characteristic | Railroad Crossing |  |  |
| :---: | :---: | :---: | :---: |
|  | Adams Street (SH 79) Crossing \#805518J MP 608.84 | AddMs Streat (SH 79) Spur Crossing \#813931L MP 608.84 | Palmer Street Crossing \#805517C MP 609.65 |
| Waming Devices | 2 gates and lights | 2 reflectorized crossbucks 2 yield signs | 2 gates and lights |
| Max Time Table Speed at Crossing (Typical Range) | $\begin{gathered} 60 \mathrm{MPH} \\ (35 \text { to } 60 \mathrm{MPH}) \end{gathered}$ | $\begin{gathered} 15 \mathrm{MPH} \\ \text { (1 to } 15 \mathrm{MPH} \text { ) } \end{gathered}$ | Main line 60 MPH ( 35 to 60 MPH ) <br> Siding (1 to 15 MPH) |
| Typical Number of Daily Train Movements | 4 day through 4 night through | 1 day through | 5 day through 5 night through 2 day switching on siding |
| Traffic Lanes Crossing | 2 | 2 | 2 |
| Type and Number of Tracks | 1 Main | 1 Spur | 1 Main 1 Spur |
| Predicted Collisions ${ }^{(1)}$ | 0.012440 | 0.005069 | 0.006849 |

Source: Federal Railroad Administration
${ }^{(1)}$ Probability that a collision between a train and highway vehicle will occur at the crossing in a year (determined using Federal Railroad Administration's web-ac cessible accident prediction system

## Crossing Conflict and Delay

Bennett Elementary School, Middle School, and High School are located in the eastern section of downtown Bennett, north of the railroad tracks. The School District administration building is also located in the area, on 7th Street across from the High School. The district provides bus transportation for all students except those that live in the older residential area west of the schools and north of the railroad tracks. All students that live south of the tracks are provided bus transportation. However, many children walk across the tracks to and from school.

The SH 79 railroad crossing is congested during the school ingress and egress periods with parents dropping off children, high school students driving to and from school, school buses, and children walking across the tracks. The school buses are required by law to stop at the railroad crossing to look down the tracks and sight distance is a problem due to the siding track and co-op building location. Many of the side street intersections, such as Palmer Avenue and 6th Street, are blocked with the congestion surrounding the railroad crossing. Traffic in the crossing area is also busy mid-day during the High School lunch period, as students rush to get lunch and get back to school during their relatively short break.

Pedestrian railroad crossing behavior was observed on Tuesday, October 2, 2012 from 7:00 am to 9:00 am and 3:00 pm to 5:00 pm to gather information on the number of pedestrians crossing the UPRR railroad tracks and the locations of the crossings during school ingress and egress periods. A total number of fifteen pedestrians were observed crossing the railroad tracks including two adults and thirteen children. Out of the fifteen pedestrian crossings, only four pedestrians crossed the UPRR railroad tracks using the sidewalk on the west side of Adams Street. Eleven pedestrians were observed illegally crossing the railroad tracks at locations east of Adams Street as shortcuts to the schools. Seven of these crossings occurred south of $8^{\text {th }}$ Street, while the remaining four crossings occurred south of the basketball court in the park. The observed pedestrian railroad crossing locations are illustrated in Figure 12.

Figure 12: Observed Pedestrian Railroad Crossing Locations


Freight trains frequently block Adams Street causing motorist delays for extended periods of time with limited options for alternate routes across the tracks. To avoid the congestion or a train at the SH 79 crossing, some drivers travel west to cross the tracks at the Palmer Avenue railroad crossing. Drivers have been observed traveling at relatively high speed along Palmer Avenue trying to beat a train approaching from the east.

The Bennett Fire Rescue Department is located north of Palmer Avenue at 8th Street and Sharis Court. The Fire District encompasses approximately 325 square miles surrounding Bennett. There are four fire stations within the District from which to respond when an emergency occurs. The fire station at Sharis Court serves the area between US 36 and I-70, south of the railroad tracks. The principal fire and rescue equipment is located at the station at 5th Street and Washington Avenue, also north of the railroad tracks. The emergency personnel cross the railroad tracks at the SH 79 at-grade crossing many times each day responding to various emergencies within the area.

SH 79 is designated as an oversize load route by CDOT and a hazardous material route by the Colorado Department of Public Safety. Trucks transporting oversize loads and hazardous materials cross the UPRR tracks at the SH 79 at-grade crossing in proximity to downtown Bennett and the Bennett schools.

## Alternative Transportation

The following section describes alternative modes of transportation within the study area including bicycle, pedestrian, and transit services and infrastructure.

## Bicycle and Pedestrian Facilities and Operations

Pedestrian and bicycle infrastructure were identified within the study area from sources that include the Town of Bennett Parks, Trails and Open Space Master Plan (2009) and the Bennett Regional Trail Plan (2011), from Geographic Information Systems (GIS) data provided by Adams County and Arapahoe County, as well as from field observations.

Pedestrian amenities within the study area include some sidewalks, generally along the main streets within Bennett. The vast majority of roadways within Bennett and the study area do not have sidewalks and most do not have shoulders of more than four feet in width. The sidewalks often are located on only one side of a given roadway and lack connectivity throughout the study area. Bennett currently has one existing paved multi-use trail. The trail travels north-south along SH 79, connecting downtown Bennett at Palmer Avenue to the King Soopers and Bennett Marketplace just north of I-70.

Existing bicycle amenities within the study area are minimal. Bicyclists can use the multi-use trail connecting downtown Bennett and King Soopers/Bennett Marketplace and bike lanes can be found in Bennett along Washington Avenue and Lincoln Avenue.

## Transit

Bennett is served by a special transit service consisting of a small 20-person bus that currently operates twice per week on Tuesdays and Fridays. The service travels to/from Aurora with flexible destinations within Aurora. On one of the days the service provides riders with access to Aurora for physician visits. On the other day the service provides riders with access to Aurora for local services including grocery shopping and personal appointments. The service is primarily utilized by senior citizens but is available to all local residents.

In addition to the special transit service, DRCOG's Way to Go program, formerly known as the RideArrangers program, is available. The Way to Go program aims to reduce single occupant vehicle
(SOV) travel within the region in an effort to reduce traffic congestion, improve air quality, and save people money. The program attempts to increase ride sharing by identifying users with similar travel needs. Matches are based upon responses from a questionnaire that are entered into a database.

## Future Transportation CONDITIONS

This section desc ribes the future transportation conditions for the SH 79 and Kiowa-Bennett comidor area, including future traffic forecasts and altemative mode planning.

The DRCOG 2035 regional travel demand model was used to develop 2035 traffic forecasts for the study area roadways.

## No Action Alternative

The No Action alternative is included as a means of comparison to the operational benefits that would result from potential improvements. Under the No-Action alternative, only improvements that are already planned and funded by CDOT, the Counties, or municipalities are included.

There are several operational and maintenance projects funded within the study area, including the reconstruction of Colfax Avenue/US 36 and restriping of SH 79 within the area north of the I-70 interchange. A new multi-use path along Kiowa-Creek Road from Antelope Hills to 6th Avenue is currently being constructed and planning is underway for the section north of 6th Avenue. Currently, there are no planned transportation capacity improvement projects within the study area. No potential improvements related to this study are included in the No Action alternative.

The following projects, located west of the study area, are included in the 2035 DRCOG regional travel demand model for the No Action Alternative. These projects are fiscally-constrained projects included in the 2035 DRCOG Regional Transportation Plan (RTP).

- 56th Ave from E-470 to Imboden Road: Widening from 2 lanes to 6 lanes
- Imboden Road from 48th Avenue to 56th Avenue: Widening from 2 lanes to 6 lanes
- 48th Avenue from Imboden Road to Quail Run Road: Widening from 2 lanes to 6 lanes
- Quail Run Road from I-70 to 48th Avenue: New 6-lane major arterial
- Watkins Road from Quincy Avenue to I-70: Widening from 2 lanes to 6 lanes
- Quincy Avenue from Hayesmount Road to Watkins Road: Widen from 2 lanes to 6 lanes

In addition, DRCOG administers an annual Transportation Improvement Survey intended to gather information from member governments regarding planned capacity-related projects on minor and collector roadways that are not included in the RTP. The following projects were identified during this process in the area surrounding the study area and are included in the 2035 DRCOG regional travel demand model for the No Action Alternative.

- 38th Avenue from Imboden Road to Manila Road: New 4-lane collector
- Manila Road from 48th Ave to I-70: Widening from 2 lanes to 4 lanes
- 6th Avenue from Powhaton Road to Watkins Road: New 4-lane minor arterial


## Travel Demand Model Adjustments

Because the study area is located in the eastern portion of the model, modifications were made to the model within and adjacent to the project study area to provide more detailed travel demand information. Adjustments were made to the traffic analysis zone structure, associated socioeconomic data, and roadway network. These adjustments are shown in Appendix C.

## Traffic Analysis Zone Structure

The DRCOG regional travel demand model utilizes traffic analysis zones (TAZs) to represent land uses throughout the region. Socioeconomic data is aggregated and assigned to the TAZ zone system. Within and surrounding the study area, there are a small number of large TAZs in the DRCOG model. For regional modeling these TAZ sizes are appropriate, but the TAZs are too large for the transportation analysis needed for this study.

For the purposes of this study, the TAZs were split to provide more detailed volume information and trip loading onto the roadway network. Figure 13 illustrates the original TAZ system and the modified study TAZ system.

## Socioeconomic Data

The socioeconomic data within the DRCOG travel demand model was disaggregated to correspond to the splits of the TAZ system for both the 2010 and 2035 model years. The socioeconomic data was assigned to the smaller TAZs based on land use information in the Town of Bennett Comprehensive Plan, the Bennett TRAFFIX model (developed by the town for area development plans), and the travel demand model developed for the Arapahoe County 2035 Transportation Plan.

No changes were made to increase or reduce the overall socioeconomic data for the study area. The overall estimated for households, employment, and population were kept consistent with the DRCOG socioeconomic data.

## Roadway Network

The 2010 and 2035 DRCOG travel demand model roadway networks are sparse within the study area, as well as the surrounding area. In order to more effectively forecast traffic volumes for the study, the 2010 and 2035 models were augmented with additional local detail in and around the study area. Figures included in Appendix C illustrate the DRCOG roadway network and the modified roadway network developed for this study for the base year and year 2035.

The collector roadways for downtown Bennett were added to the network, including 38th Avenue and the streets north and south of the SH 79 railroad crossing. Major collector roadways, such as 6th Avenue, Old Victory Road, and Brick-Center Road, were also added to the model network to more effectively portray the travel routes available for trip distribution within and surrounding the study area.

Figure 13: Traffic Analysis Zones


Source: DRCOG Regional Travel Demand Models, Atkins North America

## 2035 No Action Traffic Conditions

## Traffic Forecasts

Preliminary daily traffic forecasts for 2035 within the study area are illustrated in Figure 14. Assuming planning level capacities for the major arterials and roadways within the study area, the future traffic volumes remain below existing roadway capacities. The highest traffic volumes along SH 79 are through and south of downtown Bennett. The annual growths rates are shown in Table 10.

Figure 14: Year 2035 Daily Traffic Volumes


Source: 2035 DRC OG Travel Demand Forecast Model, Atkins North America

Table 10: Traffic Volumes 2012 to 2035

| LOCATION | Dally Traffic Volumes |  | Annual Growth RATE |
| :---: | :---: | :---: | :---: |
|  | $\begin{aligned} & \text { ExISTING } \\ & \text { (2012) } \end{aligned}$ | $\begin{aligned} & \text { FUTURE } \\ & \text { (2035) } \end{aligned}$ |  |
| 1-70 |  |  |  |
| EBI-70 at SH 79 Off Ramp | 2,570 | 3,600 | 1.5\% |
| EBI-70 at SH 79 On Ramp | 2,520 | 3,600 | 1.6\% |
| WBI-70 at SH 79 Off Ramp | 2,050 | 2,900 | 1.5\% |
| WBI-70 at SH 79 On Ramp | 2,970 | 4,200 | 1.5\% |
| East of SH 79 Interchange | 17,000 | 34,500 | 3.1\% |
| EB I-70 at Kiowa -Bennett Rd Off Ramp | 710 | 1,500 | 3.3\% |
| EB I-70 at Colfax Ave/US 36 Off Ramp | 750 | 1,100 | 1.7\% |
| WBI-70 at Colfax Ave/US 36 On Ramp | 1,420 | 3,300 | 3.7\% |
| WBI-70 at Colfax Ave/US 36 Off Ramp | 300 | 700 | 7.8\% |
| SH 79 |  |  |  |
| North of Market Place | 6,580 | 8,400 | 1.1\% |
| East of Adams St | 4,150 | 5,600 | 1.3\% |
| North of $38{ }^{\text {th }}$ Ave | 2,090 | 3,500 | 2.3\% |
| Colfax Ave/US 36 |  |  |  |
| West of Palmer Ave | 1,260 | 2,800 | 3.5\% |
| West of Adams St | 5,650 | 7,400 | 1.2\% |
| West of Kio wa-Bennett Rd | 2,150 | 3,200 | 1.7\% |
| East of Kiowa-Bennett Rd | 1,890 | 2,700 | 1.6\% |
| Kiowa-Bennett Road |  |  |  |
| South of $6{ }^{\text {th }}$ Ave | 1,920 | 3,900 | 3.1\% |
| South of Antelope Hills | 1,310 | 3,300 | 4.1\% |

Source: All Traffic Data, September 2012, 2035 DRCOG Travel Demand Forec ast Model, Atkins North America

## SH 79 and Kio wa-Bennett C orridor PEL STudy

Vehicle miles of travel (VMT) within the project study area are projected to increase by more than 85 percent by 2035, as shown in Table 11. VMT along SH 79 within the study area is projected to increase by over 40 percent while VMT along Kiowa-Bennett Road is projected to increase about 80 percent.

Table 11: Study Area Vehicle Miles of Travel (VMT)

| Study Area Roadways | 2010 VMT | 2035 VMT | Percent Change in VMt 2010 TO 2035 |
| :---: | :---: | :---: | :---: |
| I-70 | 50,300 | 101,700 | + 102\% |
| SH 79 | 14,300 | 20,100 | +41\% |
| Colfax Avenue/US 36 | 7,700 | 11,600 | +51\% |
| Kiowa-Bennett Road | 8,300 | 14,900 | +80\% |
| All Other Roadways | 5,500 | 11,800 | + 115\% |
| Total | 86,100 | 160,100 | +86\% |

Source: DRCOG Regional Travel Demand Models, Atkins North America
Vehicle hours of delay (VHD) is a measure commonly used to compare performance along various roadway facilities. A vehicle's delay along a roadway is its travel time minus the roadway's free-flow travel time. VHD is the sum of all vehicular delay along a roadway. According to the DRCOG travel demand model, there were two vehicle hours of delay daily within the study area in 2010. By year 2035, VHD is projected to increase to 52 hours daily. As shown in Table 12, mainline I-70 will experience an increase in VHD of over 30 hours daily, the greatest increase within the study area. SH 79 will experience an increase in VHD of 11 hours daily from 2010 to 2035.

Table 12: Study Area Vehicle Hours of Delay (VHD)

| Study Area Roadways | Year 2010 VHD | Year 2035 VHD | CHANGE IN VHD |
| :--- | :---: | :---: | :---: |
|  |  |  | 2010 TO 2035 |

Source: DRCOG Regional Travel Demand Models, Atkins North America
The growth in vehicle hours of delay within the study area is generally the result of increased traffic volumes along a roadway network with no planned capacity improvements, although it is not necessarily an indication of future congestion. The growth in traffic volumes is due to increased development in the area and, to a greater extent, increased traffic traveling through the study area, especially along l-70.

## Intersection Operations

Future (2035) traffic operations were evaluated at the study area intersections, based on projected traffic volumes using the DRCOG travel demand model and anticipated future development.

As traffic volumes along SH 79 increase from 2010 to 2035 within the study area, intersection performance along the highway is expected to degrade. Table 13 illustrates performance levels at the six primary intersections along SH 79 under 2010 and 2035 traffic conditions. As shown, the following three intersections are projected to operate at unacceptable levels of service during the PM peak hour:

- SH 79/Eastbound I-70 Ramps
- SH 79/Market Place
- SH 79/Adams Street.

SH 79/Market Place is also projected to operate at unacceptable levels of service during the AM peak hour. These over capacity operations will impact intersection performance and corridor travel times. As congestion at intersections increase, travel times through the study area will also increase.

Table 13: Intersection Levels of Service

| SH 79 Intersection | Peak Hour Level of Service (LOS) |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Existing (2012) |  | FUTURE (2035) |  |
|  | AM | PM | AM | PM |
| Eastbound I-70 On-/Off-Ramps | B | F | C | F |
| Westbound I-70 On-/Off-Ramps | B | B | B | C |
| Market Place | B | C | E | E |
| Colfax Avenue/US 36 | A | B | B | B |
| Adams Street | C | C | C | E |
| PalmerAvenue | A | B | B | C |

Source: David Evansand Associates

## Alternative Modes Planning

The following section describes alternative transportation planning efforts within the study area, including bicycle, pedestrian, and transit services and infrastructure. The Town of Bennett Comprehensive Plan (2012) suggests that walking, bicycling, and the use of transit as routine transportation choices will enhance community health.

## Bicycle and Pedestrian Facilities

The Town of Bennett has included bicycle and pedestrian elements in future planning efforts and identifies "improv[ing] access to facilities through the development of pedestrian and bicycle pathways and trails" as objectives for future planning.

The Town of Bennett Comprehensive Plan (2012) suggests conducting a sidewalk survey within Bennett. The survey would assist in preparing recommendations for new and improved sidewalk facilities. The Town of Bennett Downtown Planning Study (2010) identifies proposed future roadway cross sections for main street commercial and four lane arterial roadways within the downtown planning area. Both roadway cross sections include ROW for bike lanes and sidewalks.

The Comprehensive Plan also states that the Town of Bennett will implement the Regional Trails Plan. The Bennett Regional Trails Plan (2011) identifies nine planned trails and three planned trailheads as
preferred routes. The trail network is illustrated Figure 15 and includes the following trail routes and trailheads:

- Trail Routes
- Neighborhood-School Bike Route
- East Town Loop Trail
- West Town Loop Trail
- Bennett-Strasburg Trail
- Kiowa Creek Trail
- Kiowa-Bennett Bike route
- Watkins-Strasburg Bike Route
- Kiowa-Bennett Road/SH 79Trail
- Alameda Trail
- Trailheads
- Downtown Trailhead/Parking Facility
- Arapahoe County Trailhead
- Adams County Trailhead

The trail plan identifies dedicated bike lanes and bike routes within the study area. Generally, the dedicated bike lanes would be located along roadways within/near downtown Bennett and along Colfax Avenue/US 36 and SH 79 east of Bennett, as shown in Figure 15. Roadway greenways (paved) and multiuse split trails (paved and unpaved) are also identified extending throughout the study area.
Additionally, designated bike routes would extend along various roadways outside of Bennett.

## Transit

The Town of Bennett Comprehensive Plan (2012) proposes the following phased transit elements by the year 2035, as illustrated in Figure 15.

- Express bus service to the Denver metropolitan area.

■ Initiate a local bus circulator or trolley service. This service would connect residents from various neighborhoods with other neighborhoods and employment centers.

Beyond the year 2035 planning horizon, the plan identifies the following potential transit improvements:

- Commuter rail service to RTD's East Corridor commuter rail line (currently under construction). Several station locations along the rail line would be considered including a potential stop in downtown Bennett.
- High speed rail service to RTD's East Corridor commuter rail line using a new rail line installed in the I-70 median. A high speed rail station would be located at an I-70 interchange near the study area with service from Denver.

Additionally, the Town of Bennett Downtown Planning Study (2010) identifies a potential commuter parking lot northwest of the I-70/SH 79 interchange. This lot would likely be shared with parking lots associated with the Bennett Marketplace.

Figure 15: Alternative Modes Planning


Source: Town of Bennett Comprehensive Plan, Town of Bennett Downtown Planning Study, Bennett Regional Trails Plan, Adams County GIS, and Arapahoe County GIS

## Environmental Overview

This environmental overview identifies environmental resources and environmentally sensitive areas, based on readily available data and general field survey information.

This section summa rizes the existing environmental conditions of the project study
area. Avoidance and minimizing impacts to these resources will be considered with the development and evaluation of transportation improvement altematives. The purpose of this overview is to identify resources early in the planning process and to consider sensitive environmental resources and avoid potential fatal flaws. The intent of this information is not to identify impacts but rather to identify potential "red flag" resource areas for use in alternatives analysis to avoid and minimize impacts to resources during subsequent study phases.

If a recommended improvement project receives Federal funding and/or involves a State or Federal facility, the results of the PEL Study will be carried forward at that time into project development, additional environmental review (NEPA-level or similar state environmental review process), design, and ultimately construction, maintenance, and operations. If the project is solely funded with local funds, a NEPA review process would still be required as any "federal nexus" initiates the NEPA process. This project may require access to I-70, a federally designated highway, similarly permits may be required from Federal agencies, such as a 404 Permit (impacts to wetlands) and/or modifications to the floodplain requiring coordination with the Federal Emergency Management Agency.

The environmental resources that were studied were selected based on the characteristics of the study area. The resources considered are generally consistent with NEPA, its implementing regulations, and with FHWA and CDOT guidelines. The environmental and community resources topics summarized in this report include:

## - Air Quality

- Hazardous Materials
- Floodways and 100-year Floodplains
- Historic and Archeological Resources
- Mines
- Community or Public Wells
- Parks and Recreation Resources (Section 4(f)/6(f))
- Threatened and Endangered Species
- Wetlands, Noxious Weeds
- Noise
- Community Impacts (Neighborhood Business Displacements and Community Barriers)
- Prime and Unique Farmlands

Data collection to identify the existing resources in the area was conducted in the fall of 2012 using readily available resources such as file searches from agencies with jurisdiction, a literature review, and general field surveys.

In addition, a letter was also sent out in November 2012 to the following resource agencies requesting the identification of any known resources or issues of concern within the study area.

- Adams County Parks and Community Resources
- Arapahoe County Open Spaces
- Colorado Department of Public Health and Environment (CHPHE) Air Pollution Control Division
- CHPHE Water Quality Control Division
- Colorado Wildlife and Parks
- Environmental Protection Agency (EPA)
- State Historic Preservation Office (SHPO)
- Town of Bennett Parks and Recreation
- United States Army Corps of Engineers (USACE)
- United States Department of Agriculture
- United States Fish and Wildlife Service (USFWS)
- Urban Drainage and Flood Control District

The results of the analysis for each of these resource topics are summarized below.

## Air Quality

The purposes of the air quality analysis are to ensure that transportation actions are consistent with planning goals in the air quality State Implementation Plan (SIP), present relevant air quality issues and information related to the SH 79 alternatives analysis, and provide information to support a subsequent analysis under NEPA.

## Air Quality Legislation, Regulations, and Requirements

Air quality is regulated at the national level by the Clean Air Act of 1970 (42 USC 7401 et seq) as amended in 1977 and 1990. The Act regulates emissions through the National Ambient Air Quality Standards (NAAQS) and the Hazardous Air Pollutants (HAP) program, which includes Mobile Source Air Toxics (MSAT). Specific requirements are placed on the transportation planning process in air quality nonattainment areas that do not meet the NAAQS emissions limits and in areas that have been reclassified from nonattainment to attainment/maintenance areas.

The NAAQS regulates six criteria pollutants - carbon monoxide (CO), ground level ozone, sulfur dioxide $\left(\mathrm{SO}_{2}\right)$, nitrogen dioxide $\left(\mathrm{NO}_{2}\right)$, particulate matter $\left(\mathrm{PM}_{10}\right.$ and $\left.\mathrm{PM} \mathrm{M}_{2.5}\right)$, and lead ( Pb ). The EPA has established health and welfare-based exposure and concentration limits for the NAAQS. Of the six NAAQS pollutants, transportation sources contribute to $\mathrm{CO}, \mathrm{NO}_{2}, \mathrm{PM}_{10}$, and ozone (EPA 2012b). EPA works with states and local jurisdictions to monitor ambient air levels for these pollutants. In addition, Mobile Source Air Toxics (MSATs) have been identified as an issue of concern related to transportation projects (EPA 2012a).

As of December 2012, all areas in Colorado are in attainment of all NAAQS criteria pollutants except for ground level ozone. Areas that were previously in nonattainment for CO and $\mathrm{PM}_{10}$ have been redesignated to attainment/maintenance status (CDPHE 2012).

- Ozone - The Denver region is currently an ozone nonattainment area for exceeding the 8-hour standard. The SH 79 corridor resides in Adams and Arapahoe counties, which are both in the nonattainment area (CDPHE 2012, 2004). Therefore, a quantitative ozone precursor analysis would be necessary in a subsequent NEPA study. The quantitative analyses of VOC and $\mathrm{NO}_{x}$ emissions from mobile sources would be based on EPA's MOVES model.
- Carbon Monoxide (CO) - The Denver region is currently a CO maintenance area, and the area includes Bennett and the project study area on its eastern edge (66 FR 64751). A quantitative CO "hotspot" analysis would be necessary for a subsequent NEPA study for intersections that do not meet LOS C and are affected by the project.
- Particulate Matter - The Denver region was previously in nonattainment of $\mathrm{PM}_{10}$ but has since been redesignated to attainment/maintenance (67 FR 58335). Bennett and the project study area are within the $\mathrm{PM}_{10}$ attainment/maintenance area on the eastern edge, so a subsequent NEPA study for SH 79 may require a $\mathrm{PM}_{10}$ hotspot analysis. $\mathrm{PM}_{2.5}$ is not a pollutant of concern in Colorado as there are no nonattainment or maintenance areas in the state for this pollutant.
- Mobile Source Air Toxics - Tools and techniques for assessing MSATs are limited, and there are no approved exposure-concentration limits. FHWA has issued interim guidance for MSAT analyses associated with NEPA studies based on a tiered approach with no analysis necessary for projects with no potential MSAT effects, a qualitative analysis for projects with low potential MSAT effects, and a quantitative analysis to differentiate alternatives with higher potential MSAT effects (FHWA 2012). If an analysis is necessary, it should consider relative emission levels among no-build and build alternatives and attempt to reduce emissions as part of the alternatives analysis.
- Greenhouse Gases - Recent concerns with climate change have prompted calls for reducing greenhouse gases (GHG), of which carbon dioxide (CO2) is a primary component. There is no specific GHG analysis required for NEPA studies, but a qualitative analysis of GHGs in a subsequent NEPA study would be prudent.

Some of the study area is served by unpaved roads, such as Converse Road south of I-70. For unpaved roadways, the CDPHE requires that a roadway which has vehicular traffic exceeding 200 vehicles per day in $\mathrm{PM}_{10}$ attainment areas (averaged over any consecutive three-day period) be paved or treated for dust abatement. Arapahoe County has established a daily threshold of 700 vehicles per day for paving gravel roads.

## Next Steps

Various performance indicators will be summarized for each alternative and a No Action alternative. Likewise, the LOS at key intersections will be estimated for each alternative. This information will be useful in making qualitative statements about potential air quality impacts from each alternative; and it will assist in determining which, if any, intersections would require either a CO or $\mathrm{PM}_{10}$ hotspot analysis in a subsequent NEPA study.

If a NEPA study is conducted for this project in the future, qualitative air quality analyses will be necessary for ozone, CO, PM10, MSATs, and GHGs. A qualitative conformity-level emissions burden analysis of VOC and NOx ozone precursors and other criteria pollutants will also be required to compare emissions from each alternative to the No Action and to other alternatives. In addition, quantitative 38
analyses may be necessary for CO and $\mathrm{PM}_{10}$ pollutants. It does not appear that a quantitative MSAT analysis would be required, but this should be monitored for changing conditions and revised project concept and design.

The transportation conformity rule, promulgated through the Clean Air Act legislation, is the mechanism through which transportation projects are evaluated for air quality impacts in nonattainment and maintenance areas (40 CFR Parts 51.390 and 93). The conformity process has two levels - regional air quality conformity and project-level conformity. The regional conformity analysis is conducted for the long-range Regional Transportation Plan (RTP) and the Transportation Improvement Program (TIP). Project-level conformity applies to transportation projects in air quality nonattainment and maintenance areas. It requires a review and possibly a quantitative "hotspot" analysis of CO and PM emissions. To pass project-level conformity, the project must be included in a conforming RTP and TIP, and the project cannot create new, increase the frequency of, or exacerbate the severity of air quality violations.

## Hazardous Materials

A preliminary environmental site assessment of the study area was conducted to evaluate the potential for hazardous waste or hazardous substances to impact the project, including:

- Reconnaissance survey of the site and surrounding area to evaluate present conditions related to hazardous materials; and
- Review of the compliance history of the study area, and of any adjacent sites, as identified by a regulatory database search (EDR, 2012).

Generally, if a facility identified in a database report was active with an event that had the potential to contaminate the study area, or groundwater flow could cause migration of the contaminants into the study area, then the facility was considered to have the potential to impact the study area. Sites were categorized as either having high, medium, or low impact potential. As a result, 33 facilities were determined to have the potential to impact the study area, as shown in Figure 16 and listed in Table 14.

- Three sites were identified with high potential to impact the study area due to open releases documented at the sites and their locations within the study area.
- Seven sites were identified with medium potential to impact the project, three of which were identified in the CDL database as methamphetamine laboratories. Further investigation is required to evaluate the appropriate level of concern for these facilities.
■ One site ranked medium is a closed Leaking Underground Storage Tank facility.
- One site was listed in the FINDS and AIRS databases; however, a closed pump island was observed at the facility during the site reconnaissance.
- One site is a spill site with no indication of closure based on the EDR Report.
- One site was listed in the Integrated Compliance Information System, Emergency Response Notification System, Aerometric Information Retrieval System, and Facility Index System/Facility Registry System databases; however, multiple above-ground storage tanks (ASTs) greater than 500 gallons in size were observed at the facility, as well as an open pump island.

■ Twenty-three sites were identified with a low potential to impact the study area. These sites are generally Resource Conservation and Recovery Act (RCRA) registered generators of hazardous

## SH 79 and Kio wa-BennettCorridor PEL STudy

waste that are currently in compliance, asbestos sites that have been remediated, closed spills and historical CDL sites, or facilities with registered underground storage tanks (USTs) with no reported releases.

In addition, multiple pole-mounted and pad-mounted transformers were observed within the study area, with the highest concentration of transformers located within Bennett and the Antelope Hills subdivision. Transformers may contain polychlorinated biphenyls (PCBs). No leaks or stains were observed near the transformers during the site reconnaissance. However, not all properties were accessible for assessment. Further investigation will be required to evaluate whether the transformers may contain PCBs and/or if releases are present.

Figure 16: Locations of Potential Hazardous Materials


Source: Environmental Data Resourc es Report, SH79 PEL, Bennett, CO 80102, September 26, 2012

Table 14: Agency Database Sites with the Potential to Impact the Study Area

| Number/ (DATABASE Number) | FACILITY NAME | FACILITY AdDress | DISTANCE (feet)/ DIRECTION | TYPE | Status | Potential to Impact Study area |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $1 /$ (1) | Sun Redi Mix | 47600 38th Ave | $\sim 0$ North | RCRANonGen, | Closed | Low |
| 2 /(2) | N/A | 38th and Penrith | $\sim 0$ <br> Northwest | CO ERNS, CDL | Unknown | Medium |
| $3 /(3)$ | Bennett School district 29-J/ Adams 29-J School Dist | 610 7th St | $\sim 0$ North | HISTFITS, FITS, ICIS, ASBESTOS FINDS | Closed, Closed, Closed, Closed, Closed | Low |
| $4 /(3)$ | Adams 29-J School Dist | 690 7th St | $\sim 0$ North | $\begin{gathered} \text { FIIS, HIST } \\ \text { FIIS } \end{gathered}$ | Closed, Closed | Low |
| 5 / (4) | Environmental Rolloff Xpress, ШС | 575 4th St | $\sim 0$ North | RCRANonGen, FINDS | Closed, Closed | Low |
| $6 /(5)$ | Sarah Copeland Rental Property | 501 6th Ave | $\sim 0$ North | FINDS | Unknown | Low |
| $7 /(6)$ | N/A | 429 2nd St | $\sim$ North | ERNS | Closed | Low |
| 8/(7) | Coridor Collision, பС | 830 Sha ris Ct | $\sim 0$ North | FINDS, RCRACESQG | Open, Open | Low |
| $9 /$ (7) | Bennett Middle School | 455 8th St | $\sim 0$ North | CO ERNS, FINDS | Closed, Closed | Low |
| 10/(7) | Bennett Elementary School | 462 8th St | $\sim 0$ North | FINDS | Closed | Low |
| 11/(7) | N/A | 600 8th St | $\sim 0$ North | CO ERNS | Closed | Low |
| 12 / (7) | Comidor Community Academy | 420 7th St | $\sim 0$ North | FITS, HIST FIIS, FINDS, ASBESTOS | Closed, Closed, Closed, Closed | Low |
| 13 / (8) | City Park | 201 W. Palmer | $\sim 0$ North | $\begin{gathered} \text { CO ERNS, } \\ \text { CDL } \end{gathered}$ | Unknown | Medium |
| 14 / (8) | Bennett Food and Gas | 100 S. 1st St | $\sim 0$ North | FINDS, AIRS | Open, Open | Medium |
| 15/ (8) | JD's Country Pawn แC | 101 S. First St | $\sim 0$ North | UST | Closed | Low |
| 16/ (9) | Bennett Schools 29J | 375 Palmer Ave | $\sim$ North | UST | Closed | Low |
| 17 / (10) | Vacant Lot (behind repair shop) | Colfaxand Pike St | $\sim$ North | CO ERNS | Open | Medium |
| 18 / (11) | N/A | 200 Chemy St | $\sim 0$ North | $\begin{gathered} \text { CO ERNS, } \\ \text { CDL, US HIST } \\ \text { CDL } \end{gathered}$ | Closed, Closed, Closed | Low |
| 19 / (11) | N/A | 475 Kiowa \#14 | $\sim$ North | CO ERNS, CDL | Unknown | Medium |
| $20 /$ (11) | Unknown | 450 Colfax | $\sim 0$ North | UST | Closed | Low |
| 21/(12) | Unknown | 725 Madison Wy | $\sim 0$ North | ASBESTOS | Closed | Low |
| 22 / (13) | Roggen Farmers Elevator <br> - Bennett | 555 Colfax Ave | $\sim 0$ North | ICIS, ERNS, AIRS, FINDS | Closed, Closed, Open, Open | Medium (Table 2) |
| 23 / (14) | N/A | 145 Cleveland Circle | $\sim$ North | $\begin{gathered} \text { CO ERNS, } \\ \text { CDL, } \\ \text { USCDL } \end{gathered}$ | Closed, Closed, Closed | Low |
| 24/(15) | King Soopers \#712 | 1085 S 1st St | $\sim 0$ North | UST | Open | Low |
| 25 / (15) | Bennett Travel Shoppe | 1210 S. 1st St | $\sim 0$ North | UST, AST, LUST TRUST | Open, Closed, Open | High |
| 26 / (15) | Curently Ace Hardware | 1115 Hwy 79 | $\sim 0$ North | FINDS, LUST | Closed, Closed | Medium (Table 2) |
| 27 / (15) | Love's Travel Stop \#300 | 1191 S. 1st St | $\sim$ North | UST | Open | Low |
|  |  |  |  |  |  | 41 |


| Number/ <br> (Database <br> Number) | Facility Name | Facility Address | Distance <br> (feet)/ <br> Direction | Type | Potential <br> Status <br> To Impact <br> Study area |
| :---: | :--- | :--- | :--- | :--- | :--- | :--- |

Orphan Sites: Not mappable by EDR but identified in the vicinity of the study area.

| $\begin{gathered} 28 / \\ \text { Orphan Site } \end{gathered}$ | Owens Brothers Concrete Co | 1st \& Rd 38 | $\sim 0$ North | LUST, UST | Unknown | High |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 29/ <br> Orphan Site | Ogy | 1-70 and Adams Cir | $\sim 0$ North | UST | Unknown | Low |
| 30 / <br> Omhan Site | Nickerson Farms | I-70 \& SH 79 | $\sim 0$ North | LUST, LUST TRUST | Unknown | High |
| $\begin{gathered} 31 / \\ \text { Orphan Site } \end{gathered}$ | Burroughs Service | 610 East Colfax | $\sim 0$ North | UST | Unknown | Low (Table 2) |
| $\begin{gathered} 32 / \\ \text { Omhan Site } \end{gathered}$ | J ames and Barbara Whitehead Property | 15737 Elbert Cir | $\sim 0$ North | UST | Unknown | Low |
| $33 /$ <br> Orphan Site | Clark's <br> Equipment Sales and | 100 -70 Frontage Rd | $\sim 0$ North | RCRANonGen | Unknown | Low |

Source: Environmental Data Resources Report, SH79 PEL, Bennett, CO 80102, September 26, 2012
Notes:
ASBESTOS = Asbestos a batement a nd demolition projects by contractor
AIRS = Aerometric Information Retrieval System
CO ERNS = ERNS State Reported Spills
CDL = Methamphetamine Lab Locations Reported through Colorado Department of Public Health and ERNS= Emergency Response Notification System
FINDS = Fac ility Index System/Fa cility Registry System
FITS = Administrative cases and pestic ide enforcement action and compliance activities related to FIFRA (Federal Insectic ide Fungicide Rodentic ide Act), TSCA (Toxic Substances Control Act) and EPCRA (Emergency Planning and Community Right-to-Know Act)
HISTFITS = Historic al FIIS
ICIS = Integrated Compliance Information System
LUST=Leaking Underground Storage Tank
LUSTTRUST = LUSTC olorado's Petroleum Storage Tank Fund recipients
RCRA-NonGen = Resource Conservation and Recovery Act - Do Not Curently Generate Hazardous Waste
RCRA-CESQG = RCRA - Conditionally Exempt Small Quantity Generators
USCDL = National Clandestine Laboratory Register
US HISTCDL = Historic al National Clandestine Laboratory Register
UST=Underground Storage Tank

## Next Steps

The most fundamental management for hazardous materials is to avoid contaminated sites, which often is not feasible. Wherever possible, responsibilities for known hazardous materials issues at properties targeted for ROW should be resolved prior to acquisition. Site-specific Health and Safety Plans (HASPs) and Materials Management Plans (MMPs) will be developed to address contaminated soil and groundwater. If buildings will be demolished, an Asbestos Abatement Plan and a Lead-Based Paint Assessment Plan will be required to document methodologies for completing the surveys in accordance with regulation. In the event septic systems and/or wells are disturbed during construction activities, proper closure in compliance with local regulations should be implemented. Encountering unanticipated soil or groundwater contamination during construction has the potential to affect the project negatively in terms of mitigation, cost, schedule and project personnel health and safety.

A more in-depth hazardous materials assessment is expected for the project. At a minimum, a CDOT Initial Site Assessment (ISA) would be required. If the ISA identifies hazardous material concerns, then

CDOT may require completion of an ASTM-compliant Phase I ESA, which would include more detailed review of historical sources, formal site visits, and agency contact. Based on the results of the Phase I ESA, further investigations (limited subsurface reports and Phase II ESAs), including the collection of surficial and subsurface soil samples and groundwater samples, may be required to delineate the horizontal and vertical extents of contamination in problem areas. During the planning and design process, this information can be used to identify avoidance options, when possible, and to assist with the development of specific contaminated soils/groundwater material management or mitigation measures. Properties to be acquired may also require individual Phase I ESAs and/or preliminary site investigations as part of the ROW acquisition process, and may require remediation prior to acquisition or development.

## Floodways and 100-year Floodplains

A floodplain is any area that can be expected to flood occasionally. It is the lowland area adjacent to a ditch, river, creek, stream, or lake. Almost all areas of the U.S. are subject to flooding in the right circumstances. However, the risk of flooding varies from place to place.

Major drainageways were identified by the delineated Federal Emergency Management Agency (FEMA) floodplain, as shown on Flood Insurance Rate Maps. The following FEMA-designated floodplains for this area include (FEMA 1995, 2007, 2010):

- Zone $X$ is part of the FEMA 500-year flood area, 100-year flood area with average depths of less than one foot, or with drainage areas less than one square mile.
- Zone A is part of the FEMA 100-year flood hazard area where base flood elevations have not been determined, but a shaded, generalized floodplain is shown on the FEMA Flood Insurance Rate Maps. The 100-year flood is FEMA's base flood.
The SH 79 study area lies within Arapahoe and Adams counties, within the Kiowa Creek watershed. Kiowa Creek is shown as a Zone A floodplain by FEMA on Flood Insurance Rate Maps as follows (FEMA 1995, 2007, 2010):
- Panel 0718H, Adams County, dated March 5, 2007
- Panel 0981H, Adams County, dated March 5, 2007
- Panel 0260K, Arapahoe County, dated December 17, 2010

Zone A floodplains do not include base flood elevation determinations, detailed hydrologic or hydraulic models, or delineated floodway. Figure 17 shows the FEMA Zone A floodplain for Kiowa Creek in the study area. The Town of Bennett, Arapahoe County and Adams County are responsible for floodplain management within their jurisdiction. Both Arapahoe County and Adams County have local floodplain permitting requirements for development activities within the floodplain. Arapahoe County requires a Conditional Letter of Map Revision (CLOMR) for all projects that impact the floodplain. Arapahoe County also requires a Letter of Map Revision (LOMR) to be completed and issued in order to revise the effective floodplain (Arapahoe County 2011, .FEMA 2007, FEMA 2010).

Figure 17: Floodplains/Floodways


Source: FEMA, October 2012

## Next Steps

Floodplain modeling will be required to assess future bridge crossings and floodplain impacts and may require a Conditional Letter of Map Revision (CLOMR) and Letter of Map Revision (LOMR).

## Historic and Archeological Resources

To warrant consideration of impacts in a federally-funded project, historic and archeological resources must be listed on or meet the eligibility criteria established for the National Register of Historic Places (NRHP).

The Colorado Historical Society/Office of Archeology and Historic Preservation performed a file search in October 2012 for land sections encompassed by the study area. The file search was followed by an online search for more information about the identified cultural resources in order to determine the potential for effects to these properties by the project.

After the range of alternatives has been narrowed, county assessor's parcel data will be reviewed to determine dates of construction for structures that may be affected and reconnaissance "windshield" surveys will be conducted to identify any additional potentially eligible resources in the study area.

A historic overview of study area development has been included to support the evaluation of cultural resources and allow better understanding of historical patterns, themes, and periods that may contribute to the significance of cultural resources.

## History of Arapahoe County

Arapahoe County was named for the Arapaho Indians, one of the larger tribes of plains Indians, who, along with the Cheyenne, occupied Arapahoe County east of Colorado's foothills into what is now western Kansas. Arapahoe County is Colorado's first county, originally 30 miles wide and extending from Sheridan Boulevard to the Kansas border. In the late 1820s to 1840s, trappers searched this region for beavers and buffalo skins. In 1832, the first trading post on the South Platte River was built on Cherry Creek, which was then part of Arapahoe County (Arapahoe County n.d.).

In 1848, gold prospectors found gold, just west of Englewood where Dry Creek flows into the Platte River. This was the first important discovery of gold in Colorado. More gold was found where the river joined Cherry Creek. A camp was established here that later became Denver. Denver was the seat of Arapahoe County until 1902, when the County was divided into several counties that make up the Denver metro area today (Arapahoe County n.d.).

During the 1860s, farmers took up claims along the streams because of the ample irrigation for their land. The Leavenworth and Pikes Peak Express, the first stagecoaches arriving in Denver in May 1859, supplied early transportation for gold seekers and other pioneers. In the 1870s, the Kansas Pacific Railroad, which later became the Union Pacific Railroad, was built across the plains from the Missouri River to Denver (Arapahoe County n.d.).

The eastern portion of the county was comprised mainly of sheep and cattle ranches. Many of the ranches homesteaded during the 1870s through the 1900s are still in the ownership and operation of the descendents of the early pioneers. Today, Arapahoe County spans 850 square miles, has a population of more than 500,000, and is one of Denver's fastest growing neighbors. The eastern end of the county remains largely rural with wheat farms and a few cattle and sheep ranches. While threefourths of the county is rural, the western part is largely urban (Arapahoe County n.d.).

## History of Adams County

In 1902, voters approved creation of Adams County which, prior to that time, had been part of Arapahoe County (Adams County n.d.). Adams County originally stretched 160 miles from present-day Sheridan Boulevard to the Kansas state border. In 1903, the eastern 88 miles of Adams County was transferred to the new Washington County and the new Yuma County, reducing the length of Adams County to the present 72 miles. On November 8, 1904, Adams County voters chose Brighton as the permanent county seat (e-Reference 2011).

## History of the Town of Bennett

Documents from the Bureau of Land Management show that four Bennet brothers filed homestead papers in 1862 for two sections ( 34 and 24). These two sections were adjacent diagonally on the north and south to the current location of the Post Office and together with other sections homesteaded by the Bennet brothers, formed the Bennet Ranch (Bennett 2012b).

One of these brothers, Hiram Pitt Bennet, was a respected judge in the early territory of Colorado. Mr. Bennet was elected the first Territorial Representative for Colorado in 1862 and was instrumental in obtaining statehood for Colorado, having introduced the first bill on statehood in 1863. Mr. H. P. Bennet went on to become the third Postmaster of Denver in 1869. Through the years the English name of Bennet was Americanized to Bennett; thus the town name evolved from the old Bennet Ranch (Bennett 2012b).

## Resources in the Study Area

## Historic Resources

Eight cultural surveys have been conducted within the study area between 1987 and 2008. Three potentially eligible historic resources and one eligible resource were identified in the study area: the Mount View Cemetery/Bennett Cemetery, Muegge House, and a segment of the Kansas Pacific Railroad. No archaeological resources were identified. Figure 18 shows the locations of these properties. Table 15 lists the properties and associated potential issues.

## Kiowa Creek Bridge (Colfax Avenue/US 36)

The Kiowa Creek Bridge on Colfax Avenue/ US 36 is an historic bridge that was surveyed in 1999 and found to be officially eligible for the NRHP by SHPO during an historic bridge inventory conducted in 2000. However, it has been replaced in its entirety it is no longer eligible for the NRHP (CO Historical Society 2012, pers. comm. Schoch 2012).

## Mount View Cemetery/Bennett Cemetery

The Mount View Cemetery is located adjacent to SH 79 just south of the intersection at 38th Avenue, in the northeast point of Bennett (Bennett 2012a). The cemetery was surveyed in 1982 and was recommended to be "not eligible" for the NRHP by the Colorado Historical Society. However, no official determination has been made by the State Historic Preservation Officer.

## Muegge House

This 1913 farmhouse is a simple front-gable wood-frame box with a wrap-around porch and subtle Victorian embellishments, typifies vernacular High Plains architecture of its period. The property has been donated to the town. The Colorado Historical Society has assessed the Muegge House as an historic resource that is "field not eligible" and provides no assessment of its condition (CO Historical Society 2012). However, no official determination has been made by SHPO.

## Kansas Pacific Railroad

The Kansas Pacific Railroad completed Colorado's first railroad connection in 1870; Bennett was founded in 1877 on the Kansas Pacific line about 25 miles east of Denver (Fogelberg 2002). The Kansas Pacific Railroad merged with the Union Pacific Railroad in 1880 (Colorado Historical Society n.d.). The railroad segment was surveyed in 2009. The Colorado Historical Society identifies this segment of the railroad as "supports eligibility of entire linear resource; field eligible" and states that its condition is "good" (CO Historical Society 2012). However, no official determination has been made by SHPO.

Figure 18: Cultural Resources within Study Area


Source: Colorado State Historic Preservation Office, October 2012
Table 15: Potentially Eligible Historic Resources within Study Area

| SITE NAME (MAP \#) | SITE ADDRESS | ElicIBILITY |
| :--- | :--- | :--- |
| Kiowa Creek Brid ge (1) | Colfax Ave/US 36 a nd Kiowa Creek | Replaced; no longer eligible |
| Mount View Cemetery/ <br> Bennett Cemetery (2) | SH 79 south of intersection at 38th Ave | Recommended a s not eligible |
| Muegge House (3) | SH 79 and Bennett Ave <br> Kansas Pacific Railroad <br> North of Bennett, traveling east to west <br> through study area | Eligible for the NRHP |
| Source: Colorado State Historic Preservation Office, October 2012 |  |  |

## Archaeological/Paleontological Resources

The file search revealed three prehistoric archaeological sites and one paleontological resource in the study area. Due to the sensitive nature of these resources, the sites cannot be mapped. Once an alternative has been recommended and funding has been identified, a registered archeologist will locate the resources and work with the project team to avoid, minimize and mitigate resource effects.

## Section 4(f)

Section 4(f) refers to a portion of a law that only applies to actions of the U.S. Department of Transportation (DOT) Agencies. It is applicable when there is some type of "federal nexus," i.e., the project or portion of is the project/action funded, authorized, or carried out by a Federal agency. Section 4(f) of the Department of Transportation (USDOT) Act of 1966 was set forth in Title 49 United States Code (U.S.C.), Section 303. In 2008, the Section 4(f) Final Rule was moved to 23 CFR Part 774. It protects historic sites either on the NRHP, eligible to be on the NRHP, or in some cases, of state and local significance. These properties are referred to as "Section 4(f) properties". The law requires that before a US DOT may use all or any portion of these properties, the agency must prove that

1. There is no prudent or feasible alternative to using that land, and
2. The program or project includes all possible planning to minimize harm ....to the historic site resulting from that use.

Therefore, although there is no "formal" federal nexus, when the project proceeds to construction these properties will warrant special protection. This includes the three properties previously discussed: the Mount View Cemetery/Bennett Cemetery, Muegge House, and a segment of the Kansas Pacific Railroad. These properties are being carefully considered during the alternatives development process, and all measures to avoid them are being considered throughout the analysis. As the project proceeds, these considerations will be documented for use in the future "Section 4(f) Evaluation".

## Next Steps

## Cultural Resources

Historical and archaeological sites are not renewable; as such, the best resource management is to avoid impacts to properties listed or evaluated as eligible for inclusion on the NRHP. Next steps for impacts to historic resources prior to the NEPA process include:

- Once the alternatives being considered have been screened, properties adjacent to the remaining alternatives should be evaluated for potential eligibility for the NRHP.
- Avoidance and minimization measures considered during the alternatives evaluation should be documented as part of this PEL study process for use in future consultation with the SHPO (described in more detail below).

Avoiding or minimizing impacts to cultural resources can be accomplished by the following methods:

- Avoid direct and indirect impacts to known NHRP-eligible or listed resources during alternative development and design;
- Develop alternatives that are consistent with historic character of area; and
- Mitigate unavoidable impacts to NRHP-eligible resources through data recovery, analysis, and publication of findings.

Next steps for impacts to historic resources during the NEPA process include detailed evaluation of any recommended alternatives as part of a NEPA document, requiring compliance with Section 106 of the National Historic Preservation Act. Section 106 requires federal agencies to consider the effects of their undertakings upon historic properties that are considered significant (i.e., listed or eligible for listing on the NRHP). Compliance with Section 106 involves a consultative process with the SHPO and a sequence of steps: identification, evaluation, determination of effects, and resolution of effects, described in more detail below:

- Consult with the SHPO to define an appropriate Area of Potential Effects (the geographic area within which an undertaking may directly or indirectly cause changes in character or use) for historic and archaeological resources;
- Identify and invite relevant government agencies, organizations, and tribes to participate as consulting parties in the Section 106 process;
- Conduct intensive-level field surveys in all areas that may be subject to project impacts. Undetected resources, primarily archaeological sites, may exist within the study area. All identified cultural resources will be evaluated or re-evaluated for NRHP eligibility and documentation submitted to SHPO for concurrence;
- Evaluate effects to NRHP-eligible or listed properties from the project by applying federal Criteria of Adverse Effect (which is a specific term defined under Section 106 to evaluate effects);
- Consult with SHPO and other consulting parties to resolve any adverse effects through project redesign/avoidance, minimization of impacts, or mitigation;
- Involve the Advisory Council on Historic Preservation if any adverse effects cannot be resolved through consultation;
- Document the resolution of any identified adverse effects and mitigation prescriptions in a Memorandum of Agreement signed by FHWA, CDOT, SHPO and if appropriate, consulting parties; and
- Implement the specified mitigation measures. Mitigation of impacts to historic sites may include: permanent recording by historical narrative, medium or large format black-and-white photography, measured drawings, and public interpretation. Mitigation of impacts to archaeological sites typically involves data recovery.


## Section 4(f) Resources

Next steps for impacts to Section 4(f) resources prior to the NEPA process include:

- Once the alternatives being considered have been screened, a windshield survey should be conducted to identify any potentially eligible Section 4(f) properties adjacent to the remaining alternatives, and these should be considered and identified for Section 4(f) Applicability.
- Avoidance and Minimization measures considered during the alternatives evaluation will be documented as part of this PEL study process for use in the future Section 4(f) evaluation.
Next steps for impacts to Section 4(f) resources during the NEPA process include:
- The full $4(\mathrm{f})$ evaluations will be conducted during any future NEPA processes. Coordination with SHPO will be required to determine official "eligibility" of a property and to determine effects to those properties and any required mitigation if effects cannot be avoided.
- Using information from this study, a formal evaluation will be conducted to determine if a "feasible and prudent alternative" exists. If no alternative exists that avoids use of a protected property, a "least harm analysis" will be conducted to determine which alternative causes the least overall harm to eligible and protected properties.


## Mines

GIS data was obtained from the Colorado Division of Reclamation, Mining and Safety to identify potential permitted mine locations within the study area and their characteristics.

## Resources in the Study Area

A file search of past and current mining operations revealed that two saleable mining sites occur in the study area, both privately owned by one individual. Saleable minerals include common mineral materials such as sand, gravel, stone, pumice, clay, and petrified wood. Table 16 lists the sites and identifies possible issues associated with them.

Table 16: Mines within Study Area

## Site Name Site Address

| Mitchell Pit | La titude: 39.751 |
| :---: | :--- |
|  | Longitude: -104.41628 |
|  | (West side of Kiowa |
|  | Creek southeast of |
|  | Bennett) |

Mitc hell Pit Latitude: 39.74731

## Potential Issue

- The project could affect the ability to explore or extract mineral deposits or affect mineral leases.
- The most recognized health hazards from sand and gravel mines involve airbome partic ulate emissions. Total Suspended Particulates (TSPs) is a measure of all partic ulates emitted by a mine; $\mathrm{PM}_{10}$ partic les rep resent some of the smallest partic les that can stay suspended in the airfor long periods and pose the greatest respiratory health hazards (Blodgett 2004).
- Sa nd and gravel mining may affect rainwater recharge to groundwaterand can decrease a soil's ability to bind substances and thus clean water, potentially contaminating groundwater (University of Maine 2006). Beca use sand and gravel mines are required to wash some materials on site and also control dust, some mines use millions of gallons of ground water for these tasks (Blod gett 2004).
- Fugitive dust and diesel fumes, inc reased traffic congestion, safety hazards, a nd aesthetic degradation resulting from sand and gravel pits pose potential c umulative impacts (Blodgett 2004).

Same as above.
\#2
Longitude: -104.42098
(West side of Kiowa
Creek southeast of Bennett)

Source: Colorado Department of Natural Resources Division of Reclamation, Mining and Safety October 15, 2012

## Mitchell Pit

Mitchell Pit is an active sand and gravel surface mine permitted in 1987 and located in Adams County. The surface size is approximately ten acres.

## Mitchell Pit \#2

Mitchell Pit \#2 is an active gravel surface mine permitted in 1991 and also located in Adams County. The surface size is approximately 6.8 acres.

## Next Steps

The primary reason to define impacts to minerals is to reduce, minimize, or mitigate effects to minerals from project construction and operations. Mineral activities must comply with NEPA, Endangered Species Act, and other laws. The environmental requirements for mining, including environmental permitting for mine operation and post-mining reclamation are administered through state and federal programs via the EPA, Department of Environmental Quality, and the Colorado Division of Reclamation Mining \& Safety.

The presence of existing mineral claims and leases could interfere with plans to construct a new roadway. As part of the pre-construction process, the project proponents would have to identify mineral claims and leases and either negotiate permission to use the land surface in these areas or re-locate the roadway to avoid existing claims and leases. Where access to mineral resources may be restricted, the proponents would provide compensation for damage, access rights, and easements with mine owners, claimants, and lease holders. If necessary, the proponents would provide mine operators with mine access during construction.

Construction of the roadway would result in the need for saleable minerals, including fill material for grade changes, sand and gravel for concrete production, gravel for road beds, and similar uses. The use of saleable minerals would provide an economic benefit to local mineral providers but would also result in consumption of materials that would not be available for other uses.

Air quality monitoring at these two sand and gravel pits is recommended to determine the extent of TSPs and particulate matter they emit. An impact on air quality that could result from increased traffic or decreased congestion, depending on the results of a proposed roadway project, could combine cumulatively with potential air quality hazards presented by the mines. Similarly, an increase in impervious surfaces from roadway improvements could combine cumulatively with possible groundwater contamination from these operations. On-site water availability during roadway construction could also be an issue. These possibilities should be considered in an ensuing environmental assessment or environmental impact statement.

## Wells

This section describes the existing wells located in the study area. Wells may be drilled for residential, commercial, irrigation, or other uses, such as groundwater monitoring. Acquisition of ROW for a project recommended by the study may require use of groundwater normally allocated to the well owner, relocation of wells or potential for groundwater contamination, requiring costly mitigation. It is important to identify the location of wells so they may be avoided during design and construction activities.

Existing wells in the study area were identified through a survey of GIS data from the Colorado Division of Water Resources (2012).

Approximately 254 wells were identified in the study area. The distribution and construction status of the wells is depicted in Figure 19. The majority ( 65 percent) of wells is already constructed and nearly a

## SH 79 and Kio wa-Bennett Corridor PEL STudy

quarter of all wells within the study area have issued permits, though the status of the well is unknown. According to records, there are currently no wells with expired or cancelled permits, though roughly eight percent of wells have an unknown status (Colorado Division of Water Resources, 2012). Within the entire study area only four wells have been abandoned.

Figure 19: Distribution and Status of Wells in Study Area


Source: Colorado Division of Water Resources, October 15, 2012
Over one-third of the wells are classified for domestic or residential uses such that the wells serve as the principal source of water for most households. Roughly 22 percent of the wells within the study area are for commercial use and approximately one-third of the wells are classified for "other" usages; including geothermal, stock, and monitoring. Monitoring wells are constructed for the purpose of locating water, pump or aquifer testing, monitoring ground water, or collection of water quality samples. A few wells are used for municipal or irrigation purposes. No specific information is available regarding the aquifer the wells draw from. Figure 20 depicts well usage (Colorado Division of Water Resources, 2012.).

Figure 20: Well Usage in Study Area


Source: Colorado Division of Water Resources, 2012

## Next Steps

Mitigation measures that protect water rights will be required as part of any improvements that would impact water supplies.

Construction projects resulting from this study may require dewatering permits, depending on the local groundwater levels. Dewatering permits typically involve conversion of an existing well to a dewatering system. Groundwater monitoring may also be necessary to confirm no contamination has occurred. This would require obtaining a well permit from the Colorado Division of Water Resources (Colorado Division of Water Resources, 2012).

Next steps for water well resources during the NEPA process include:

- A detailed analysis of the project design impacts to existing water wells;
- A plan for avoidance of existing wells during and after construction;
- Identification of the necessary permits for construction activities;
- Assessment of the need for groundwater monitoring before, during, and after the project; and
- Coordination with local planners and other city officials.


## Parks and Recreation Resources (Section 4(f)/6(f))

This section describes the parklands and recreational areas in the study area. Section 4(f) of the Department of Transportation Act of 1966 stipulates that the FHWA and other Department of Transportation agencies cannot approve the use of land from publicly owned parks, recreational areas, wildlife and waterfowl refuges, or public and private historic sites unless there is no feasible and prudent alternative to the use of land, and the action includes all possible planning to minimize harm to the property resulting from use.

The Land and Water Conservation Fund (LWCF) Act of 1965 established a Federal funding program to assist states in developing outdoor recreation sites. Section 6(f) of the act prohibits the conversion of property acquired or developed with these funds to a non-recreational purpose without the approval of the National Park Service (NPS) (NPS, 2008).

The Town of Bennett Parks, Trails and Open Space Master Plan (2009), the Adams County Open Space, Parks \& Trails Plan (2012), and the Bennett Regional Trail Plan (2011) were consulted in combination with a survey of GIS data provided by Adams County and Arapahoe County to identify existing and future parks and recreation facilities within the study area. The Town of Bennett has 18 acres of parks (Adams County 2012). The town has also included open space elements in future planning and identifies "developing new facilities which are complementary to the Town's existing parks, trails and open space systems" and "improv[ing] access to facilities through the development of pedestrian and bicycle pathways and trails" as objectives for future planning. These elements include both developed parks and passive open space, with natural resources and riparian areas that will be preserved.

Adams County has identified recreational opportunities, including horseback riding, natural trail, picnic area, and wildlife watching, in the vicinity of Kiowa Creek northeast of Bennett. The county's 2012 Open Space, Parks \& Trails Plan recommends designating the land surrounding Kiowa Creek as open space and to allow for the creation of publicly accessible trails, noting that the trail could connect to Arapahoe County's open space system currently underway with the newly acquired Kiowa Creek Open Space Park (Adams County 2012).

Six existing park and trail facilities and 18 planned park and trail facilities were identified within the study area. These facilities are listed in Table 17 and depicted in Figure 21.

## Land and Water Conservation Fund Resources

A file search was conducted in November 2012 to determine whether LWCF 6(f) funds were used on any facilities within the study area. One facility was identified; the Bennett Swimming Pool located at Bennett Middle School, 400 7th St. Bennett, CO 80102.

Table 17. Existing and Proposed Park and Trail Facilities

| MAP Number | FACILITY NAME | FACILITY TYPE |
| :---: | :---: | :---: |
| Existing Park and Trail Facilities |  |  |
| 1 | Brothers Four Park | Neighborhood Park |
| 2 | Centennial Park | Neighborhood Park |
| 3 | Community Park | Neighborhood Park |
| 4 | Trupp Park | Community Park |
| 5 | Field of Dreams | Special Use Park |
| 6 | Unnamed Trail | Greenway |
| Proposed Park and Trail Facilities |  |  |
| -- | Adams County Trailhead (not shown on map) | Trailhead |
| 7 | Antelope Hills Park | Neighborhood Park |
| 8 | Alameda Coridor Trail | Off-Street Multi-Use Trail |
| -- | Arapahoe County Trailhead (not shown on map) | Trailhead |
| 9 | Bennett-Strasburg Trail / Old Victory Road | Off-Street Multi-Use Trail |
| -- | Downtown Trailhead/Parking Facility (not shown on map) | Trailhead |
| 10 | East Town Loop Trail | Off-Street Trail Route |
| 11 | US 36/Colfax Ave Trail / Watkins-Strasburg Bike Route | On-Street Bike Route |
| 12 | SH 79 Bike Lane | On-Street Bike Route |
| 13 | SH 79 Trail | On-Street Bike Route |
| 14 | Kiowa-Bennett Road/SH 79 Trail | On-Street Bike Route / Off-Street Multi-Use Trail |
| 15 | Kiowa Creek Trail | Off-Street Multi-Use Trail |
| 16 | Kiowa Creek North Open Space | Open Space Conservation Area |
| 17 | Neighborhood-School Bike Route | On-Street Bike Route |
| 18 | PalmerAve Trail | On-Street Bike Route / Off-Street Multi-Use Trail |
| 19 | West Town Loop Trail | Off-Street Trail Route |
| 20 | Kiowa Creek Greenway | Greenway |

Source: Town of Bennett Parks, Trails and Open Space Master Plan, 2009, Bennett Regional Trail Plan, 2011, Adams County Open Space, Parks \& Trails Plan (2012), Adams County and Arapahoe County GIS Data

Figure 21: Planned and Future Park and Trail Facilities


Source: Town of Bennett Parks, Trails and Open Space Master Plan, 2009, Bennett Regional Trail Plan, 2011, Ada ms County and Arapahoe County GIS Data
Note: Numbers correspond to Table 17: Existing and Proposed Park and Trail Facilities

## Section 4(F) Resources

The following seven potential Section 4(f) resources exist within the study area as depicted in Figure 22:

- Brothers Four Park is a 2.9 acre parcel under the jurisdiction of the Town of Bennett. It is located at the intersection of SH 79 and Colfax Avenue/US 36.
- Centennial Park is a 0.4 acre parcel under the jurisdiction of the Town of Bennett. It is located at the intersection of Madison Way and Hancock Court within a residential subdivision. (605 Madison Way)
- Community Park is a 1.7 acre parcel under the jurisdiction of the Town of Bennett. It is located south of the SH 79 and Palmer Avenue intersection.
- Field of Dreams is a 4.3 acre parcel under the jurisdiction of the Town of Bennett. It is the Town's only baseball field and is located on the Bennett Middle School campus near Washington Way and Greg's Place.
- Trupp Park is a 7.1 acre parcel under the jurisdiction of the Town of Bennett. It is located at the intersection of N Converse Road and Palmer Avenue.
- Unnamed Trail is an off-street multi-use trail and extends approximately 1 mile south from Brothers Four Park, terminating at the commercial development located north of the I-70 and SH 79 interchange.
■ Kiowa Creek North Open Space is a 265 acre parcel under the jurisdiction of Arapahoe County. It is located approximately 1 mile south of the I-70 and SH 79 interchange on North County Road and is a planned conservation area with public access.

Figure 22: Known Section 4(f) and LCWF Resources


Source: Town of Bennett Parks, Trails and Open Space Master Plan, 2009, Bennett Regional Trail Plan, 2011, Ada ms County Open Space, Parks \& Trails Plan (2012), Adams County and Arapahoe County GIS Data

## Next Steps

During the alternatives development, the conceptual design will be modified to avoid impacts to parks and recreational resources wherever possible.

Next steps for impacts to Section 4(f) resources prior to the NEPA process include:

- Once the alternatives being considered have been screened, potential Section 4(f) properties adjacent to the remaining alternatives should be evaluated for Section 4(f) Applicability.
- Avoidance and Minimization measures considered during the alternatives evaluation will be documented as part of this PEL study process for use in the future Section 4(f) evaluation.
- The Adams County Parks \& Community Resources Department suggests limiting transportation impacts in the area of Kiowa Creek and considering or accommodating a public trail running north/south under new crossings of the creek.

Next steps for impacts to Section 4(f) resources during the NEPA process include:

- A detailed analysis of the impacts of the project design to parkland and recreational resources; and
- A Section 4(f) evaluation which includes: avoidance of park and recreational resources; mitigation, or measures to minimize harm; documentation of feasible and prudent avoidance alternatives; and coordination with FHWA and officials with jurisdiction.


## For 6(f) properties:

The primary reason to define impacts to properties protected by $6(\mathrm{f})$ is to avoid a conversion of these properties during the project construction. If a conversion of land cannot be avoided, efforts should be made to minimize or mitigate effects to these properties. During NEPA, the lead agencies must mitigate any impacts to these properties with a replacement of lands of equal value, location and usefulness of the impacted land.

## Threatened and Endangered Species

Consideration of biological resources in the study area must consider area vegetation, wildlife and habitat such as riparian areas, wetlands and/or Waters of the U.S. (WUS). Impacts associated with roadway improvements have the potential to cause habitat loss, the spread of noxious weeds, impacts to aquatic species due to impacts to water resources and impacts wildlife downstream as a result of depletions to the South Platte River.

The project team reviewed existing information on wildlife, and threatened, endangered and specialstatus species that could occur within the study area near Bennett, Colorado. The study area was assessed for:

- Habitat types;
- Habitat for state- and federally-listed species;
- Prairie dogs;
- Migratory birds including raptors; and
- Any other potential environmental concern associated with wildlife.

Background data reviewed for the study area included the following:
■ Federally-listed species for the SH 79 Study Area obtained from the USFWS Information, Planning, and Conservation System (IPaC) (USFWS, 2012a); and

- A list of Colorado State Species of Concern obtained from the Colorado Parks and Wildlife (CPW) (CPW, 2012a).

The potential areas for threatened and endangered species are shown in Figure 23.
Figure 23: Threatened and Endangered Species


Source: Pinyon Environmental, 2012

## Federally-Listed Threatened and Endangered Species

There are nine federally-listed species with potential to occur in or be impacted by projects in the study area (USFWS, 2012a). Minimal habitat was observed for several of the federally-listed species.

Depletions of the South Platte River are not anticipated as a result of the project; therefore, downstream species are not likely to be impacted.

Three of the nine listed species are associated with sub-irrigated soils along stream and floodplains in riparian habitat. These listed species include Preble's meadow jumping mouse (PMJM) (Zapus hudsonius preblei), the Colorado butterfly plant (CBP) (Gaura neomexicana spp. coloradensis) and the Ute ladies'tresses orchid (ULTO) (Spiranthes diluvialis) (USFWS, 2012a). The habitat is marginal along Kiowa Creek, having poorly defined riparian, shrub and herbaceous layers, and it is unlikely that these species would occur in the study area.

Five species are listed because they occur downstream of the study area along the South Platte River, and could be impacted by projects that would result in water depletions: interior least tern (Sternula antillarum), pallid sturgeon (Scaphirhyncus albus), piping plover (Charadrius melodus), whooping crane (Grus americana) and western prairie fringed orchid (Platanthera praeclara) (USFWS, 2012a). The proposed project is not anticipated to alter the flow of the water to the South Platte River; therefore, there would be no potential to impact these species.

No suitable habitat occurs in the study area for the remaining species, the Mexican spotted owl (Strix occidentalis), which live in mixed conifer forests and rocky canyons (USFWS, 2012a). This habitat does not exist in the study area.

## State-listed Species

The habitat preferences and known locations of state-specific Species of Concern with the potential to occur in the study area were also researched (CPW, 2012a). Black-tailed prairie dogs (Cynomys ludovicianus) habitat was observed in the project study area. Two areas of active prairie dogs were observed in two areas of the project study area: 1) a large area in a vacant field northeast of the Interstate 70 (I-70) and County Road 133 (CR 133) intersection, and 2) vacant land just north of Bennett, north of Truman Avenue. Black-tailed prairie dogs may provide nesting habitat for burrowing owls (Athene cunicularia), which are a state Species of Concern and also protected under the Migratory Bird Treaty Act (MBTA) (CPW, 2012a and CPW, 2012b). There is moderate potential for the northern leopard frog (Rana pipiens) and the common garter snake (Thamnophis sirtalis), both State Species of Concern, to occur in the wetland habitat along Kiowa Creek, ditches, ponds, and stormwater detention basins within the study area.

## Migratory Bird Treaty Act

The MBTA protects all birds their nests, and their eggs (except for pigeons [Columba livia domestica] and starlings [Sturnus vulgaris vulgaris]) (MBTA, 1918). Bald eagles (Haliaeetus leucocephalus) were removed from the endangered species list in 2007, but continue to receive protection under the MBTA and the Bald and Golden Eagle Protection Act (Eagle Act). The USFWS is responsible for enforcement of both these acts, and works in cooperation with the CPW. The CPW has published guidelines on buffer distances to minimize impacts to nesting raptors (CDOW, 2008).

Tree removal, vegetation grubbing, earth moving, and other construction activities have the potential to destroy nests of bird species protected under the MBTA. Nearby construction activities during the breeding season may cause raptors to abandon nests. Similarly, winter construction activities may cause bald eagles to abandon roosting areas and the USFWS has published guidelines to minimize disturbance (USFWS, 2007).

Although raptor nests were not observed in the study area, the mature trees throughout the study area, especially along Kiowa Creek, provide raptor nesting habitat. In addition, the mature trees may also 60
provide winter roost sites for bald eagles. Bridges and larger culverts may also provide habitat for swallows, although swallows were not observed during the site visit.

## Next Steps

Burrowing owls and raptor nesting habitat were observed in the study area. In Colorado, most nesting and rearing activities occur between April 1 and August 31, but raptors may nest as early as February 15. These dates are guidelines and nesting birds are protected at all times. The project will schedule clearing and grubbing operations and work on structures to avoid taking (pursue, hunt, take, capture or kill; attempt to take, capture, kill or possess) migratory birds protected by the MBTA. Pre-construction surveys for nesting birds will be completed and will follow the methods set forth by the USFWS and CPW.

Swallows were not observed in the study area, but bridges and larger culverts in the study area could provide habitat. Nesting locations may change from year to year, and areas will be re-surveyed prior to construction. No bridge or box culvert work will take place if there are nesting birds present. Bridge or box culvert work that may disturb nesting birds will be completed before birds begin to nest or after the young have fledged (typically between April 1 and August 31). If work activities are planned between these dates, old swallow nests will be removed before nesting begins and appropriate measures taken to assure no new nests are built prior to construction. Appropriate measures to keep birds from nesting include installing plastic sheeting to prevent swallows from accessing the bridge or removing any new nests within three days. Failure to keep new nests from becoming established may postpone project construction.

The necessary wildlife coordination will be conducted during future NEPA processes according to CPW or USFWS survey protocol. This may include a formal concurrence request from the USFWS that no federally-listed species would be adversely affected by the project.

## Wetlands, Waters of the U.S., and Noxious Weeds

Wetlands, Waters of the U.S. (WUS), and noxious weeds evaluations were completed of the study area near Bennett, Colorado. Section 404 of the Clean Water Act protects wetlands and waters of the United States (USEPA, 1972). DRCOG's MetroVision 2035 Plan (February 2011) also acknowledges the importance of protecting regional surface waters, riparian areas and wetlands by committing to preserve and protect them from the planned increase in development. Field maps of the study area were prepared and reviewed for potential wetlands and WUS was reviewed prior to a site visit. Potential wetlands and WUS areas were marked on aerial photography, and noxious weed species identified were noted. A preliminary assessment of feature types and flow directions was made based on United States Geographic Survey (USGS) maps and field observations. Features named are based on USGS data and GIS data. Formal wetland delineations were not performed at this stage of the project. Following the site visits, any areas that could not be accessed were evaluated more closely on aerial photographs. Potential wetlands and WUS were then mapped using GIS.

## Wetlands

Because the area is primarily used for agriculture, several irrigation ditches and small stock ponds occur within the study area. The ditches are generally well-defined with unconsolidated channels. Wetlands were generally not associated with the ditches as they appeared to be highly channelized and ephemeral. The dominating water feature in the study area is Kiowa Creek. The creek traverses the
study area from the southwest corner to the northeast corner of the project boundary. The creek was dry at the time of the site visits. Generally, the vegetation abutting the creek was marginal for wetland vegetation. In areas where the creek is constricted, it appeared that water potentially overflowed into the adjacent upland benches, allowing for the development of more defined wetlands. Therefore, the creek has the potential to sustain fringe wetlands along its banks, especially in areas where the ordinary high water mark (OHWM) is narrow and where flows could overtop the creek channel and disperse laterally from the creek channel. Potential wetland and WUS features are summarized in Table 18 and shown in Figure 24.

Table 18: Potential Wetland and Waters of the U.S. Identified in the Study Area

| NAME OR UNIQUE IDENTIFIER | FLow DIRECTION* | SOURCE* | Notes |
| :---: | :---: | :---: | :---: |
| Wetlands |  |  |  |
| Kiowa Creek | Northeast | Precipitation/Groundwater | Fringe wetlands along Kiowa Creek, more defined in areas where the channel of the Creek is constricted causing flow to overtop and disperse laterally from the Creek channel. |
| WL-1 | North | Precipitation/Groundwater | Depressional herbaceous wetland area that receives seasonal precipitation. Shown on the USGSmap as an ephemeral drainage. Two distinct channels oc cur north and south of 38th Ave north of Bennett. |
| WL-2 | North | Precipitation/Groundwater | Depressional herbaceous wetland area that receives seasonal precipitation. Appears to be a remnant of WL-1 and may have once been connected to WL-1. |
| WL-3 | East | Stormwater | Drainage located between UPRR and ColfaxAve/US 36 in the southem part of Bennett. It is dominated by herbaceous wetland species. |
| WL-4 | North | Precipitation/Groundwater | Depressional area shown on the USGS map as an ephemeral drainage. Not accessed in field. Area digitized from aerial photo. Appears to be dominated by herbaceous species. |
| WL-5 | NA | Precipitation/Groundwater and Stormwater | Low-lying a rea at the end of Ditch-5, NE of Kiowa-Bennett Rd and 6th Ave. Dominated by herbaceous species. |
| WL-6 | NA | Precipitation/Groundwater | Low-lying area at the end of Ditch-5 in the field NE of KiowaBennett Rd and 6th Ave. Area digitized from aerial photo. Appearsto be dominated by herbaceous species. |
| WL-7 | Northwest | Precipitation/Groundwater | Depressional area shown on the USGSmap as an ephemeral drainage. Generally located east of Kiowa Creek and west of Kiowa-Bennett Rd in the southem portion of the study area. Not accessed in field. Area digitized from aerial photo. Appears to be dominated by herbaceous species. |
| WUS/Open Waters |  |  |  |
| Kiowa Creek | Northeast | Natural | Ephemeral drainage. Dry at the time of the site visit. |
| OW-1 | None | Man-made | Series of three man-made gravel ponds located south of 38th Ave, north of Bennett. No wetlands observed with the ponds. |
| OW-2 | None | Man-made | Man-made stock pond associated with a farm house in the NE comer of the study area. Possible that there is an outlet to Kiowa Creek, but could not confirm this due to access issues. Pond digitized from aerial photo. |
| 62 |  |  |  |


| NAME OR UNIQUE IDENTIFIER | FLow DIRECTION* | SOURCE* | Notes |
| :---: | :---: | :---: | :---: |
| OW-3 | Northwest | Precipitation/Groundwater | Ephemeral drainage. Channel was dry during site visit. Located in a field between ColfaxAve/US 36 and I-70. |
| OW-4 | Northwest | Precipitation/Groundwater | Ephemeral drainage. Channel was dry during site visit. Located in a field between ColfaxAve/US 36 and I-70. |
| OW-5 | None | Stormwater | Stormwater detention pond associated with King Soopers commercial area. |
| OW-6 | None | Stormwater | Stormwater detention pond associated with King Soopers commercial area. |
| OW-7 | None | Stormwater | Stormwater drainage associated with King Soopers commercial area. |
| OW-8 | None | Stormwater | Stormwater detention pond associated with Bennett High School area. |
| OW-9 | None | Man-made | Man-made stock pond associated with farm house in the NE comer of the study area. Pond digitized from aerial photo. |
| OW-10 | None | Man-made | Man-made stock pond associated with farm land in southem portion of the study a rea, east of Kiowa Creek. Possible that there is an outlet to Kiowa Creek, but could not confirm this due to access issues. Pond digitized from aerial photo. |
| OW-11 | None | Man-made | Man-made stock pond associated with a farm land in the southem portion of the study a rea, east of Kiowa Creek. Possible that there is an outlet to Kiowa Creek, but could not confirm this due to access issues. Pond digitized from aerial photo. |
| OW-12 | None | Stormwater | Stormwater detention a rea associated with Antelope Hills subdivision. Located in the NW comer of Antelope Hills development. |
| OW-13 | None | Man-made | Man-made pond for Antelope Hills Golf Course. |
| OW-14 | None | Man-made | Man-made pond for Antelope Hills Golf Course. |
| Ditch-1 | East | Imigation | Approximately 10 - to $15-\mathrm{ft}$ wide ditch that meanders through Antelope Hills Golf Course. There are several branches of ditch. |
| Ditch-2 | East | Imigation/Stormwater | Roughly 5 -ft wide concrete-lined ditch along the south side of West Antelope Hills Drive. |
| Ditch-3 | East | Imgation | Approx. 10- to 15 -ft wide ditch between Colfax Ave/US 36 and UPRR. Appears to dead end before reaching Kiowa Creek. |
| Ditch-4 | North | Imigation/Stormwater | Approx. 10-ft wide ditch that runs north from a residential area in the SW part of Bennett. Appeared to be hydrologic ally connected to WL-3. |
| Ditch-5 | Northwest | Precipitation/Groundwater | Defined drainage that may have once connected to Kiowa Creek. Terminal ends of the drainage are associated with WL5 and WL-6. |
| Ditch-6 | None | Stormwater | Roughly 5 - ft wide roadside ditch, south of Palmer Ave in Bennett. |

Source: Pinyon Environmental, 2012.
*Type and flow direction are based on field observations, existing GIS Data and USGS topographic maps

Figure 24: Wetlands and Waters of the U.S. in the Study Area


Source: Pinyon Environmental, 2012

## Next Steps

Under the Section 404 of the Clean Water Act, impacts to WUS, including wetlands and open water features, must be avoided, minimized, or mitigated to ensure that there is no net loss of functions and values of jurisdictional wetlands (USEPA, 1972). To the extent practicable, future planning and design will incorporate avoidance and minimization of impacts to known wetland areas. Where avoidance and minimization would not be practicable, mitigation for impacts to wetlands could be achieved through the use of temporary and permanent Best Management Practices (BMPs).

A Section 404 permit would likely be required from the USACE to authorize placement of dredge or fill material in any WUS including wetlands. Impacts under 0.5 acre are often permitted under existing Nationwide Permits (NWP), such as Number 14 which covers linear transportation projects. Impacts greater than 0.5 acre would require obtaining an Individual Permit. An Individual Permit includes a
public notice and would trigger a NEPA clearance for the USACE. Generally, mitigation would be required under either permit type for impacts exceeding 0.1 acre of jurisdictional WUS or wetlands. Prior to application for a permit, a wetland delineation survey would need to be conducted to document wetland boundaries and impact footprints.

To the extent practicable, future planning and design should incorporate avoidance and minimization of impacts to known wetland and WUS areas. Where avoidance and minimization would not be practicable, mitigation for impacts to wetlands could be achieved through the use of temporary and permanent BMPs and replacement of lost wetlands at a 1:1 ratio. Coordination and Section 404 permitting through the USACE could be done earlier to facilitate avoidance during subsequent NEPA processes. The type of USACE permit (Nationwide or Individual), and level of documentation for CDOT, if needed, will be determined after design of the preferred alternative is selected and impacts are known.

CDOT regulates wetlands regardless of USACE jurisdiction. A CDOT Wetland Findings report may be required if permanent wetland impacts exceed 500 square feet or if temporary impacts exceed 1,000 square feet, regardless of whether USACE has jurisdiction. This does not include impacts to open water areas.

## Noxious Weeds

The project is located in a predominantly rural area dominated by agricultural properties, with the exception of Bennett, which provides numerous landscaped areas associated with adjacent commercial and residential properties. The State of Colorado noxious weed list (Colorado Department of Agriculture [CDOA] 2012) was reviewed prior to a site visit. Weeds present within the project boundaries are typical of Colorado Front Range roadsides and disturbed areas. However, it is expected that additional weeds are present in the study area. Weeds within the study area are shown in Table 19 and categorized according to the Colorado Department of Agriculture. No Category A species were identified, which are those designated for eradication and require prevention of seed production or development of reproductive propagules.

Table 19: Noxious Weeds in the Study Area

| Common Name | SCIENTIFIC NAME | STATE WeED LIST |
| :--- | :--- | :--- |
| Canada thistle | Cirsium arvense | B |
| Cheatgrass | Bromus tectorum | C |
| Common mullein | Verbascum thapsus | C |
| Field bindweed | Convolvulus arvensis | C |

Source: CDOA, 2012
Notes: B: species are managed and controlled by a noxious weed management plan, with the goal of stopping the continued spread of these species. C: species for which a project would develop management plans with the goal of supporting jurisdictions that choose to require management of those species.

## Next Steps

Preparation of an Integrated Noxious Weed Management Plan, which would include steps to control existing noxious weeds, would be required. Weeds in the study area should be mapped during the growing season and an Integrated Weed Management Plan may be warranted to reduce the spread of noxious weeds within the study area.

## Noise

Noise is defined as any unwanted sound. As mobility increases, transportation, in particular, can be a key source of noise across modes, from airports to rail to new roads. An overview of the study area existing noise conditions was conducted to determine noise sensitive locations within the study limits. This information will later be used for the alternatives screening process.

The existing conditions noise analysis was performed in accordance with the requirements of Title 23 Code of Federal Regulations Part 772, Procedures for Abatement of Highway Traffic Noise and Construction Noise, using methodology established by CDOT in their Noise Analysis and Abatement Guidelines (2011). A noise sensitive site is any property (owner occupied, rented, or leased) where frequent exterior human use occurs and where a lowered noise level would be of benefit. CDOT has established noise levels at which noise abatement must be considered. Known as Noise Abatement Criteria (NAC), these criteria vary according to a property's land use category and are described in Table 20.

Table 20: CDOT Noise Abatement Criteria

| Activity Category | $L_{\text {Ea }}(\mathrm{h})$ | DESCRIPTION OF LAND USE ACtIVITY CATEGORY |
| :---: | :---: | :---: |
| A | 56 dBA (Exterior) | Lands on which serenity and quiet are of extraordinary signific ance and serve an important public need and where the preservation of those qualities is essential if the area is to continue to serve its intended purpose. |
| B | 66 dBA (Exterior) | Residential |
| C | 66 dBA (Exterior) | Active sport a reas, amphitheatres, auditoriums, campgrounds, cemeteries, day care centers, hospitals, libraries, medical facilities, parks, picnic areas, places of worship, playgrounds, public meeting rooms, public or nonprofit institutional structures, radio studios, recording studios, recreational areas, Section 4 (f) sites, schools, television studios, trails, and trail crossings. |
| D | 51 dBA (Interior) | Auditoriums, day care centers, hospitals, libraries, medical facilities, places of worship, public meeting rooms, public or nonprofit institutional structures, radio studios, recording studios, schools, and television studios. |
| E | 71 dBA (Exterior) | Hotels, motels, offices, restaurants/bars, and otherdeveloped lands, properties or activities not included in A-D or F. |
| F | -- | Agric ulture, a inports, bus yards, emergency services, industrial, logging, maintenance facilities, manufacturing, mining, rail yards, retail facilities, ship yards, utilities (water resources, water treatment, electrical), and warehousing. |
| G | -- | Undeveloped lands that are not permitted fordevelopment. |

Source: CDOTNoise Analysis and Abatement Guidelines (2011)
CDOT has determined that a traffic noise impact occurs when the projected traffic noise levels meet or exceed the NAC levels, or when projected noise levels substantially exceed existing noise conditions. CDOT defines "substantially exceeding the existing noise levels" as an increase of 10 dBA or more over the existing levels (CDOT 2011).

## Existing Noise Sensitive Locations

Existing land uses within the study limits were observed and all potential noise sensitive receivers were documented. The locations with noise-sensitive activity categories NAC B and NAC C are shown in
Figure 25. The following summarizes each Activity Category within the project limits:

- No NAC A land uses were observed within the project limits.
- The NAC B land uses are highlighted in Figure 2 by neighborhood within the core Bennett area and Antelope Hills, and individual homes are highlighted in rural areas. Due to the high level of the study, neighborhoods that contain NAC B receivers were identified, but every receiver located within a neighborhood was not identified.
- Some NAC C land uses exist within the core Bennett area, which are highlighted as one large shaded area of potential receivers. The following are examples of NAC C sites in the project limits that may be impacted by roadway traffic noise:
- Town parks and playgrounds
- Bennett middle school and charter school
- Churches
- Bennett Cemetery
- Antelope Hills golf course
- Interior noise readings, NAC D, will not be considered for this project.
- NAC E land uses include restaurants, offices, gas stations, and other commercial use within the study area. These land uses are typically located within town limits or along SH 79 near I-70. This activity category requires that a threshold of 71 dBA be reached in order to consider mitigation. Property owners of NAC E land uses typically prefer accessibility and visibility to their business over lowered noise levels, so NAC E land uses are not shown in Figure 2.
- Category NAC F includes industrial and agriculture uses. There are several NAC F sites within the core Bennett area, and in rural areas this category includes manufacturing and farming uses. These locations are considered to generate significant on-site noise and are therefore not considered noise sensitive receivers.
Undeveloped lands that do not have permitted development are not included in noise analyses.
Noise from traffic emanates from four primary sources: tire/road interface, engines, aerodynamics, and exhaust stacks. Roadway traffic noise depends on the number of vehicles travelling on the road, the number of heavy vehicles using the roadway, and the speeds at which the vehicles travel. Within Bennett town limits where the speeds are between 25 and 35 miles per hour ( mph ), the existing noise impacts for NAC B and C receivers likely do not exceed more than 25 feet past the edge of pavement. Where the speed limit is posted at 45 mph , the expected existing noise impacts for NAC B and C receivers are likely less than 100 feet from the roadway based on the current traffic volumes. Rural locations typically have low existing noise levels, so a new roadway would be more likely to cause a significant increase over existing noise levels.

Figure 25: Noise Sensitive Locations


Source: Atkins North Americ a, 2012

## Next Steps

When alternatives are developed, a noise assessment will be performed to determine noise sensitive sites that may be impacted by the proposed alternatives. Typically, any receivers within 500 feet of the roadway are included in the analysis to ensure that they will not exceed the NAC threshold. In a location where a new roadway alignment is proposed, any receivers within 1,000 feet should be analyzed to determine whether a substantial increase in noise is anticipated. Future NEPA studies will analyze a preferred alternative in detail, and at that time, a detailed noise study will be performed. The noise study will include modeling existing and future conditions to determine if mitigation may be required. For noise mitigation to be recommended as part of the project, it must be considered both "reasonable and feasible" based on CDOT criteria.

## Community Impacts

## Neighborhood/Business Displacement

ROW comprises the land use to operate and maintain transportation facilities in the study area. Neighborhoods comprised of individual residences and commercial areas, including individual businesses, may be impacted due to ROW acquisition if warranted by the project. Impacts to the community may occur if land is acquired for ROW from privately owned property and incorporated as part of the proposed project. Existing ROW widths were identified using assessor parcel data provided by Arapahoe and Adams Counties (2012).

ROW within the study area is generally under the jurisdiction of the FHWA, UPRR, CDOT, and the local municipalities. Approximate existing ROW widths for the study area roadways are identified below ${ }^{1}$ :

- I-70: ROW ranges from 378 feet to 424 feet (with ROW widths at the interchange areas being much larger to accommodate the on/off ramps). The ROW width at the interchanges ranges from 930 to 1585 feet.

■ SH 79: ROW ranges from 76 to 110 feet. Through Bennett, the ROW is about 75 feet. The greatest width occurs north of the I-70 interchange at 110 feet with the average ROW at approximately 85 to 90 feet.

- Kiowa-Bennett Road: ROW ranges from 78 to 106 feet. The I-70 interchange has a larger ROW of 785 feet to accommodate the ramps.
- Colfax Avenue/US 36: ROW ranges from 90 feet to 500 feet. The overall ROW averages approximately 130 feet outside of Bennett to 85 feet within Bennett.


## Next Steps

The following steps can be taken to avoid, minimize, or mitigate private property acquisition and associated residential or business relocations:

- Impacts to private properties can be avoided or minimized during the alternatives development process by shifting roadway alignments or adding retaining walls to limit acquisition. Preliminary alternative footprints will be overlaid with recent aerial images and parcel data to identify potential impacts.
- If property acquisition is required for ROW, acquisition proceedings would not occur until the project was cleared through the NEPA process and final design was completed. Any acquisitions would conform to the requirements set forth in the Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970 (as amended) and the Uniform Relocation Act Amendments of 1987 (as amended). For all real property acquired, the property owner will be paid just compensation.
- Opportunities for the participation and consultation of communities affected by the proposed project will be provided at each stage of the project development process.
${ }^{1}$ ROW impacts were determined by measuring between parcel outlines using GIS data provided by Arapahoe and Adams Counties (2012). If no specific ROW data was available, a GIS-based measurement was used and a range of impacts is available (e.g. "ROW ranges from 90 to 500 feet").


## SH 79 and Kio wa-BennettC orridor PEL Study

The next step will be to develop and evaluate alternatives. During this process, potential impacts to neighborhoods, businesses, and individual residences will be identified. Stakeholders will be provided with opportunities to provide input and express concerns related to the project.

## Community Barrier

Transportation projects can have negative impacts on a community by introducing a "barrier effect." For example, construction or widening of a roadway may isolate or cut off one section of a neighborhood, separating residents from their neighbors and the businesses and community facilities or services they use. Transportation projects can also have beneficial impacts, by reducing the amount of residential cut-through traffic, improving pedestrian and bicycle facilities, improving mobility (both motorized and non-motorized), increased opportunity for neighbor interactions, and relocating community facilities or services to a more accessible location.

Existing and future land use data was reviewed for indicators of barrier effects, such as neighborhoods divided by transportation facilities, or isolation of a neighborhood from a community facility. The predominant activity center is Bennett, which is comprised of both residential and community facilities. Within the town, the UPRR is a substantial transportation barrier. This railroad separates the southern portion of the town from the schools and public services available to the north of the railroad. While there are only two crossings of the railroad (Palmer Avenue and SH 79/Adams Street), there are several informal footpaths that have been created by people crossing the tracks.

The other existing transportation barrier in the area is I-70, which was constructed through the area in the late 1960s (CDOT, 2009). The interstate does not divide any subdivisions, however, the interstate did create a barrier effect to the property owners and residents in the community who wish to easily access areas north or south of the interstate. There are limited access points at which residents can cross the interstate: the SH 79 overpass and the Kiowa Bennett Road overpass. There are currently no pedestrian facilities to safely cross I-70 within the study area.

Kiowa Creek acts as a natural barrier separating the properties on either side of it. Property adjacent to the creek is rural in nature and undeveloped, so it creates less of a barrier effect.

Figure 26 shows the location of commercial, retail, and public facilities in the study area (Colorado State Department of Labor and Employment, 2012). Nearly all of the area's commercial, retail, and public service buildings are located in downtown Bennett, though there are several retail and commercial facilities in Antelope Hills and near the SH 79 and I-70 interchange.

## Next Steps

Potential impacts will be identified for each land use, business, or residence affected by the recommendations of the study, with mitigation measures to be evaluated in a future NEPA process. To the extent possible, impacts will be avoided or minimized by rerouting of road alignments, bridging or other methods to avoid direct impacts. Where avoidance is not technically or economically feasible, potential impacts will be evaluated.

Because land use planning is under the purview of local agencies, ongoing coordination with local planners is an important part of the process and will be an essential part of future project development to ensure that changes resulting from any recommendations are compatible with the intent of the local agencies' visions for the area. Ongoing conversations with property owners, businesses, and residences potentially affected will also be a critical part of future project development. A more detailed assessment of the businesses or residences potentially affected will be needed. During the final
planning and design process, this information can be used to identify avoidance options or mitigation measures to assist with concerns as a result of construction and ongoing operations.

Figure 26: Commercial, Retail, and Public Facilities


Source: Colorado Department of Laborand Employment, October 22, 2012

## Prime and Unique Farmlands

Productive agricultural farmland supports local communities and economies. Prime and unique farmlands are valued resources that can produce food and other important crops. A preliminary analysis of existing prime and unique farmlands was performed to investigate the existence of these resources within the study area as to determine the potential for future development concerns.

Prime farmland is land that has the best combination of physical characteristics for producing food, feed, fiber and oilseed crops. The farmlands' combination of soil properties, growing season, and moisture supply produce sustained high yields of crops when it is treated and managed according to acceptable farming methods. Land is considered prime farmland if it meets the following criteria (Soil Survey Staff 2012):

- Protected from flooding or not frequently flooded during the growing season
- Has an adequate and dependable water supply
- Reclaimed of excess salts, sodium, and rocks
- The product of I (soil erodibility) x C (Climate factor) does not exceed 60 (such that the wind erodibility is not too great)

Unique farmland is non-prime farmland that can be used to produce high-value food and fiber crops. This land is economically valuable because it has the potential to yield to yield high returns of these specialized crops (Soil Survey Staff 2012).

To determine whether any prime or unique farmland soils of statewide or local importance are present in the study area, data were downloaded from the 2012 NRCS Soil Data Mart database. The Natural Resources Conservation Service (NRCS) identified several categories of soil types that are protected in the study area. Figure $\mathbf{2 7}$ depicts the farmlands that are potentially prime and unique.

## Next Steps

The next steps for prime and unique farmland resources include:

- A detailed analysis of the project design impacts to existing prime and unique farmlands;
- Identification of the necessary permits for construction activities;
- Assessment of the need for groundwater monitoring before, during, and after the project; and
- Coordination with local planners and other local officials.

Ongoing coordination with local planners and NRCS representatives will be an essential part of future project development to ensure that changes resulting from any recommendations are compatible with environmental regulations and the local planning offices. Additionally, ongoing conversations with property owners, businesses, and residences potentially affected will also be a critical part of future project development.

Figure 27: Prime and Unique Farmlands


Source: Natural Resources Conservation Service (NRCS), October 15, 2012

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## Appendix A <br> Traffic Data

Site Code: 5
Station ID:
CONVERSE RD N/O MARKET PLACE NORTH ACCES

| NB |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Cars \& | 2 Axle |  | $2 \text { Axle }$ | 3 Axle | 4 Axle | $<5 \mathrm{AxI}$ | 5 Axle | $>6 \mathrm{AxI}$ | $<6 \mathrm{AxI}$ | 6 Axle | $>6 \mathrm{AxI}$ |  |
| Time | Bikes | Trailers | Long | Buses | 6 Tire | Single | Single | Double | Double | Double | Multi | Multi | Multi | Total |
| 09/11/12 | 1 | 10 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 14 |
| 01:00 | 0 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 |
| 02:00 | 0 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 7 |
| 03:00 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 5 |
| 04:00 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| 05:00 | 0 | 16 | 4 | 0 | 1 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 23 |
| 06:00 | 1 | 41 | 11 | 0 | 2 | 10 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 67 |
| 07:00 | 1 | 135 | 24 | 0 | 7 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 170 |
| 08:00 | 2 | 95 | 18 | 0 | 5 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 123 |
| 09:00 | 3 | 138 | 21 | 0 | 1 | 1 | 0 | 1 | 4 | 0 | 0 | 0 | 0 | 169 |
| 10:00 | 1 | 139 | 19 | 0 | 3 | 1 | 0 | 1 | 5 | 0 | 0 | 0 | 0 | 169 |
| 11:00 | 3 | 139 | 28 | 0 | 0 | 3 | 0 | 1 | 9 | 1 | 0 | 0 | 0 | 184 |
| 12 PM | 1 | 149 | 33 | 0 | 6 | 1 | 0 | 3 | 4 | 0 | 0 | 0 | 0 | 197 |
| 13:00 | 5 | 156 | 19 | 0 | 0 | 0 | 0 | 1 | 5 | 0 | 0 | 0 | 0 | 186 |
| 14:00 | 3 | 173 | 22 | 0 | 6 | 0 | 0 | 2 | 6 | 1 | 0 | 0 | 0 | 213 |
| 15:00 | 0 | 257 | 31 | 3 | 9 | 2 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 305 |
| 16:00 | 6 | 340 | 40 | 1 | 7 | 2 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 401 |
| 17:00 | 3 | 329 | 45 | 2 | 7 | 1 | 0 | 1 | 5 | 1 | 0 | 0 | 0 | 394 |
| 18:00 | 4 | 258 | 45 | 0 | 3 | 1 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 314 |
| 19:00 | 0 | 173 | 25 | 0 | 2 | 0 | 0 | 1 | 6 | 0 | 0 | 0 | 0 | 207 |
| 20:00 | 2 | 120 | 14 | 0 | 2 | 0 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 141 |
| 21:00 | 1 | 49 | 18 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 70 |
| 22:00 | 3 | 35 | 12 | 0 | 2 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 55 |
| 23:00 | 0 | 23 | 4 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 29 |
| Total | 40 | 2799 | 435 | 6 | 65 | 22 | 1 | 15 | 72 | 3 | 0 | 0 | 0 | 3458 |
| Percent | 1.2\% | 80.9\% | 12.6\% | 0.2\% | 1.9\% | 0.6\% | 0.0\% | 0.4\% | 2.1\% | 0.1\% | 0.0\% | 0.0\% | 0.0\% |  |
| AM Peak | 09:00 | 10:00 | 11:00 |  | 07:00 | 06:00 |  | 08:00 | 11:00 | 11:00 |  |  |  | 11:00 |
| Vol. | 3 | 139 | 28 |  | 7 | 10 |  | 1 | 9 | 1 |  |  |  | 184 |
| PM Peak | 16:00 | 16:00 | 17:00 | 15:00 | 15:00 | 15:00 | 20:00 | 12:00 | 14:00 | 14:00 |  |  |  | 16:00 |
| Vol. | 6 | 340 | 45 | 3 | 9 | 2 | 1 | 3 | 6 | 1 |  |  |  | 401 |

Site Code: 5 Station ID:
CONVERSE RD N/O MARKET PLACE NORTH ACCES

| Start |  | Cars \& | 2 Axle |  | 2 Axle | 3 Axle | 4 Axle | <5 AxI | 5 Axle | $>6$ AxI | $<6$ AxI | 6 Axle | $>6 \mathrm{AxI}$ |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Time | Bikes | Trailers | Long | Buses | 6 Tire | Single | Single | Double | Double | Double | Multi | Multi | Multi | Total |
| 09/12/12 | 0 | 20 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 22 |
| 01:00 | 0 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 |
| 02:00 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| 03:00 | 0 | 6 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 |
| 04:00 | 0 | 5 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 8 |
| 05:00 | 0 | 18 | 4 | 0 | 0 | 3 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 26 |
| 06:00 | 0 | 39 | 9 | 0 | 2 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 55 |
| 07:00 | 1 | 133 | 20 | 1 | 3 | 0 | 0 | 0 | 12 | 0 | 0 | 0 | 0 | 170 |
| 08:00 | 1 | 116 | 24 | 1 | 6 | 2 | 0 | 0 | 6 | 0 | 0 | 0 | 0 | 156 |
| 09:00 | 1 | 93 | 18 | 0 | 4 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 119 |
| 10:00 | 1 | 103 | 24 | 0 | 2 | 0 | 0 | 2 | 6 | 0 | 0 | 0 | 0 | 138 |
| 11:00 | 1 | 82 | 16 | 0 | 7 | 1 | 0 | 1 | 4 | 0 | 0 | 0 | 0 | 112 |
| 12 PM | 1 | 136 | 30 | 0 | 6 | 1 | 0 | 3 | 4 | 0 | 0 | 0 | 0 | 181 |
| 13:00 | 5 | 139 | 17 | 0 | 0 | 0 | 0 | 1 | 5 | 0 | 0 | 0 | 0 | 167 |
| 14:00 | 3 | 156 | 19 | 0 | 6 | 0 | 0 | 2 | 6 | 1 | 0 | 0 | 0 | 193 |
| 15:00 | 0 | 231 | 27 | 3 | 9 | 2 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 275 |
| 16:00 | 6 | 307 | 36 | 1 | 7 | 2 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 364 |
| 17:00 | 1 | 299 | 34 | 1 | 9 | 1 | 0 | 2 | 5 | 0 | 0 | 0 | 0 | 352 |
| 18:00 | 2 | 301 | 41 | 0 | 5 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 350 |
| 19:00 | 3 | 157 | 31 | 0 | 4 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 197 |
| 20:00 | 0 | 96 | 18 | 0 | 2 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 118 |
| 21:00 | 0 | 57 | 11 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 71 |
| 22:00 | 0 | 39 | 6 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 46 |
| 23:00 | 0 | 20 | 4 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 25 |
| Total | 26 | 2565 | 396 | 8 | 75 | 13 | 0 | 15 | 69 | 1 | 0 | 0 | 0 | 3168 |
| Percent | 0.8\% | 81.0\% | 12.5\% | 0.3\% | 2.4\% | 0.4\% | 0.0\% | 0.5\% | 2.2\% | 0.0\% | 0.0\% | 0.0\% | 0.0\% |  |
| AM Peak | 07:00 | 07:00 | 08:00 | 03:00 | 11:00 | 05:00 |  | 10:00 | 07:00 |  |  |  |  | 07:00 |
| Vol. | 1 | 133 | 24 | 1 | 7 | 3 |  | 2 | 12 |  |  |  |  | 170 |
| PM Peak | 16:00 | 16:00 | 18:00 | 15:00 | 15:00 | 15:00 |  | 12:00 | 14:00 | 14:00 |  |  |  | 16:00 |
| Vol. | 6 | 307 | 41 | 3 | 9 | 2 |  | 3 | 6 | 1 |  |  |  | 364 |
| Grand Total | 66 | 5364 | 831 | 14 | 140 | 35 | 1 | 30 | 141 | 4 | 0 | 0 | 0 | 6626 |
| Percent | 1.0\% | 81.0\% | 12.5\% | 0.2\% | 2.1\% | 0.5\% | 0.0\% | 0.5\% | 2.1\% | 0.1\% | 0.0\% | 0.0\% | 0.0\% |  |

Site Code: 5 Station ID: CONVERSE RD N/O MARKET PLACE NORTH ACCES

| SB |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Start |  | Cars \& | 2 Axle |  | 2 Axle | 3 Axle | 4 Axle | $<5 \mathrm{AxI}$ | 5 Axle | >6 AxI | <6 AxI | 6 Axle | >6 AxI |  |
| Time | Bikes | Trailers | Long | Buses | 6 Tire | Single | Single | Double | Double | Double | Multi | Multi | Multi | Total |
| 09/11/12 | 2 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 15 |
| 01:00 | 0 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 11 |
| 02:00 | 3 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 |
| 03:00 | 2 | 11 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 |
| 04:00 | 2 | 37 | 4 | 0 | 1 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 46 |
| 05:00 | 7 | 93 | 2 | 0 | 1 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 105 |
| 06:00 | 13 | 161 | 7 | 0 | 5 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 189 |
| 07:00 | 15 | 218 | 7 | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 0 | 0 | 0 | 247 |
| 08:00 | 9 | 213 | 7 | 0 | 1 | 1 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 235 |
| 09:00 | 6 | 158 | 9 | 0 | 1 | 2 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 181 |
| 10:00 | 10 | 154 | 6 | 0 | 1 | 3 | 0 | 1 | 5 | 0 | 0 | 0 | 0 | 180 |
| 11:00 | 9 | 188 | 4 | 0 | 2 | 1 | 0 | 0 | 9 | 1 | 0 | 0 | 0 | 214 |
| 12 PM | 11 | 201 | 7 | 0 | 3 | 2 | 0 | 1 | 11 | 2 | 0 | 0 | 0 | 238 |
| 13:00 | 7 | 142 | 6 | 0 | 0 | 4 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 164 |
| 14:00 | 3 | 142 | 5 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 152 |
| 15:00 | 5 | 168 | 9 | 0 | 1 | 4 | 0 | 0 | 8 | 1 | 0 | 0 | 0 | 196 |
| 16:00 | 10 | 226 | 12 | 0 | 4 | 7 | 0 | 1 | 9 | 0 | 0 | 0 | 0 | 269 |
| 17:00 | 6 | 228 | 5 | 0 | 0 | 5 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 248 |
| 18:00 | 8 | 209 | 6 | 0 | 3 | 4 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 232 |
| 19:00 | 8 | 143 | 5 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 158 |
| 20:00 | 6 | 126 | 3 | 0 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 138 |
| 21:00 | 3 | 43 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 49 |
| 22:00 | 1 | 39 | 0 | 0 | 2 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 43 |
| 23:00 | 1 | 21 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 26 |
| Total | 147 | 2945 | 107 | 0 | 27 | 34 | 0 | 5 | 89 | 4 | 0 | 0 | 0 | 3358 |
| Percent | 4.4\% | 87.7\% | 3.2\% | 0.0\% | 0.8\% | 1.0\% | 0.0\% | 0.1\% | 2.7\% | 0.1\% | 0.0\% | 0.0\% | 0.0\% |  |
| AM Peak | 07:00 | 07:00 | 09:00 |  | 06:00 | 10:00 |  | 10:00 | 11:00 | 11:00 |  |  |  | 07:00 |
| Vol. | 15 | 218 | 9 |  | 5 | 3 |  | 1 | 9 | 1 |  |  |  | 247 |
| PM Peak | 12:00 | 17:00 | 16:00 |  | 16:00 | 16:00 |  | 12:00 | 12:00 | 12:00 |  |  |  | 16:00 |
| Vol. | 11 | 228 | 12 |  | 4 | 7 |  | 1 | 11 | 2 |  |  |  | 269 |

Site Code: 5 Station ID: CONVERSE RD N/O MARKET PLACE NORTH ACCES

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Start |  | Cars \& | 2 Axle |  | 2 Axle | 3 Axle | 4 Axle | <5 AxI | 5 Axle | >6 AxI | <6 AxI | 6 Axle | >6 AxI |  |
| Time | Bikes | Trailers | Long | Buses | 6 Tire | Single | Single | Double | Double | Double | Multi | Multi | Multi | Total |
| 09/12/12 | 1 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 10 |
| 01:00 | 0 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 |
| 02:00 | 1 | 7 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 |
| 03:00 | 3 | 9 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 15 |
| 04:00 | 2 | 28 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 32 |
| 05:00 | 7 | 94 | 1 | 0 | 0 | 2 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 106 |
| 06:00 | 16 | 159 | 6 | 0 | 4 | 0 | 0 | 0 | 7 | 0 | 0 | 0 | 0 | 192 |
| 07:00 | 14 | 209 | 9 | 1 | 1 | 2 | 0 | 0 | 6 | 0 | 0 | 0 | 0 | 242 |
| 08:00 | 9 | 210 | 8 | 0 | 2 | 2 | 0 | 0 | 14 | 0 | 0 | 0 | 0 | 245 |
| 09:00 | 7 | 127 | 13 | 0 | 0 | 2 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 152 |
| 10:00 | 6 | 170 | 4 | 0 | 1 | 2 | 0 | 1 | 9 | 0 | 0 | 0 | 0 | 193 |
| 11:00 | 12 | 156 | 4 | 0 | 1 | 0 | 0 | 0 | 12 | 0 | 0 | 0 | 0 | 185 |
| 12 PM | 10 | 184 | 7 | 0 | 3 | 2 | 0 | 1 | 10 | 2 | 0 | 0 | 0 | 219 |
| 13:00 | 7 | 128 | 6 | 0 | 0 | 4 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 150 |
| 14:00 | 3 | 128 | 5 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 138 |
| 15:00 | 5 | 151 | 9 | 0 | 1 | 4 | 0 | 0 | 8 | 1 | 0 | 0 | 0 | 179 |
| 16:00 | 10 | 202 | 10 | 0 | 4 | 7 | 0 | 1 | 9 | 0 | 0 | 0 | 0 | 243 |
| 17:00 | 8 | 219 | 5 | 0 | 0 | 4 | 0 | 0 | 6 | 0 | 0 | 0 | 0 | 242 |
| 18:00 | 10 | 191 | 4 | 0 | 2 | 3 | 0 | 1 | 4 | 0 | 0 | 0 | 0 | 215 |
| 19:00 | 12 | 158 | 5 | 0 | 0 | 1 | 0 | 0 | 6 | 1 | 0 | 0 | 0 | 183 |
| 20:00 | 4 | 103 | 4 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 116 |
| 21:00 | 1 | 49 | 2 | 0 | 0 | 0 | 0 | 0 | 5 | 1 | 0 | 0 | 0 | 58 |
| 22:00 | 1 | 23 | 1 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 28 |
| 23:00 | 0 | 13 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 14 |
| Total | 149 | 2732 | 105 | 1 | 21 | 37 | 0 | 5 | 118 | 5 | 0 | 0 | 0 | 3173 |
| Percent | 4.7\% | 86.1\% | 3.3\% | 0.0\% | 0.7\% | 1.2\% | 0.0\% | 0.2\% | 3.7\% | 0.2\% | 0.0\% | 0.0\% | 0.0\% |  |
| AM Peak | 06:00 | 08:00 | 09:00 | 07:00 | 06:00 | 05:00 |  | 05:00 | 08:00 |  |  |  |  | 08:00 |
| Vol. | 16 | 210 | 13 | 1 | 4 | 2 |  | 1 | 14 |  |  |  |  | 245 |
| PM Peak | 19:00 | 17:00 | 16:00 |  | 16:00 | 16:00 |  | 12:00 | 12:00 | 12:00 |  |  |  | 16:00 |
| Vol. | 12 | 219 | 10 |  | 4 | 7 |  | 1 | 10 | 2 |  |  |  | 243 |
| Grand Total | 296 | 5677 | 212 | 1 | 48 | 71 | 0 | 10 | 207 | 9 | 0 | 0 | 0 | 6531 |
| Percent | 4.5\% | 86.9\% | 3.2\% | 0.0\% | 0.7\% | 1.1\% | 0.0\% | 0.2\% | 3.2\% | 0.1\% | 0.0\% | 0.0\% | 0.0\% |  |

Site Code: 6
Station ID:
COLFAX AVE W/O PENRITH RD

| EB |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Start Time | Bikes | Cars \& Trailers | 2 Axle Long | Buses | 2 Axle 6 Tire | 3 Axle Single | 4 Axle Single | $<5 \mathrm{AxI}$ Double | 5 Axle Double | $>6 \mathrm{AxI}$ Double | $\begin{array}{r} <6 \mathrm{AxI} \\ \text { Multi } \end{array}$ | 6 Axle Multi | $\begin{array}{r} >6 \mathrm{AxI} \\ \text { Multi } \end{array}$ | Total |
| 09/11/12 | 0 | 7 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 |
| 01:00 | 0 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| 02:00 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 03:00 | 1 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| 04:00 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 05:00 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 06:00 | 0 | 7 | 2 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 |
| 07:00 | 0 | 28 | 6 | 0 | 4 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 40 |
| 08:00 | 0 | 20 | 6 | 0 | 2 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 29 |
| 09:00 | 0 | 13 | 8 | 0 | 4 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 28 |
| 10:00 | 2 | 21 | 6 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 31 |
| 11:00 | 3 | 19 | 7 | 0 | 4 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 36 |
| 12 PM | 3 | 18 | 12 | 1 | 5 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 40 |
| 13:00 | 3 | 28 | 1 | 0 | 2 | 2 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 39 |
| 14:00 | 0 | 23 | 5 | 0 | 0 | 1 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 33 |
| 15:00 | 3 | 44 | 6 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 57 |
| 16:00 | 5 | 45 | 16 | 0 | 12 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 81 |
| 17:00 | 3 | 56 | 17 | 0 | 6 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 85 |
| 18:00 | 0 | 52 | 14 | 1 | 3 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 71 |
| 19:00 | 1 | 21 | 4 | 0 | 3 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 30 |
| 20:00 | 1 | 15 | 6 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 25 |
| 21:00 | 0 | 7 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 |
| 22:00 | 0 | 7 | 2 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 10 |
| 23:00 | 1 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 |
| Total | 27 | 447 | 127 | 2 | 57 | 7 | 0 | 8 | 15 | 0 | 0 | 0 | 0 | 690 |
| Percent | 3.9\% | 64.8\% | 18.4\% | 0.3\% | 8.3\% | 1.0\% | 0.0\% | 1.2\% | 2.2\% | 0.0\% | 0.0\% | 0.0\% | 0.0\% |  |
| AM Peak | 11:00 | 07:00 | 09:00 |  | 07:00 | 07:00 |  | 09:00 | 11:00 |  |  |  |  | 07:00 |
| Vol. | 3 | 28 | 8 |  | 4 | 2 |  | 1 | 2 |  |  |  |  | 40 |
| PM Peak | 16:00 | 17:00 | 17:00 | 12:00 | 16:00 | 13:00 |  | 12:00 | 14:00 |  |  |  |  | 17:00 |
| Vol. | 5 | 56 | 17 | 1 | 12 | 2 |  | 1 | 4 |  |  |  |  | 85 |

Site Code: 6
Station ID:
COLFAX AVE W/O PENRITH RD

| EB |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Start |  | Cars \& | 2 Axle |  | 2 Axle | 3 Axle | 4 Axle | <5 AxI | 5 Axle | $>6$ AxI | <6 AxI | 6 Axle | >6 AxI |  |
| Time | Bikes | Trailers | Long | Buses | 6 Tire | Single | Single | Double | Double | Double | Multi | Multi | Multi | Total |
| 09/12/12 | 0 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 |
| 01:00 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 02:00 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 03:00 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 04:00 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 05:00 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 06:00 | 0 | 7 | 2 | 0 | 2 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 12 |
| 07:00 | 0 | 23 | 5 | 0 | 5 | 2 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 36 |
| 08:00 | 0 | 18 | 11 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 32 |
| 09:00 | 1 | 14 | 1 | 0 | 3 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 20 |
| 10:00 | 0 | 18 | 10 | 0 | 4 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 34 |
| 11:00 | 0 | 24 | 8 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 35 |
| 12 PM | 0 | 23 | 7 | 0 | 1 | 0 | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 35 |
| 13:00 | 0 | 24 | 8 | 0 | 4 | 2 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 40 |
| 14:00 | 0 | 29 | 11 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 43 |
| 15:00 | 0 | 35 | 12 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 49 |
| 16:00 | 1 | 45 | 16 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 67 |
| 17:00 | 1 | 46 | 12 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 63 |
| 18:00 | 0 | 31 | 7 | 0 | 3 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 42 |
| 19:00 | 0 | 28 | 6 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 38 |
| 20:00 | 0 | 13 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 |
| 21:00 | 0 | 24 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 26 |
| 22:00 | 0 | 8 | 3 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 |
| 23:00 | 0 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| Total | 3 | 431 | 125 | 1 | 47 | 5 | 0 | 6 | 6 | 0 | 0 | 0 | 0 | 624 |
| Percent | 0.5\% | 69.1\% | 20.0\% | 0.2\% | 7.5\% | 0.8\% | 0.0\% | 1.0\% | 1.0\% | 0.0\% | 0.0\% | 0.0\% | 0.0\% |  |
| AM Peak | 09:00 | 11:00 | 08:00 | 11:00 | 07:00 | 07:00 |  | 06:00 | 10:00 |  |  |  |  | 07:00 |
| Vol. | 1 | 24 | 11 | 1 | 5 | 2 |  | 1 | 2 |  |  |  |  | 36 |
| PM Peak | 16:00 | 17:00 | 16:00 |  | 16:00 | 13:00 |  | 12:00 | 12:00 |  |  |  |  | 16:00 |
| Vol. | 1 | 46 | 16 |  | 5 | 2 |  | 2 | 2 |  |  |  |  | 67 |
| Grand Total | 30 | 878 | 252 | 3 | 104 | 12 | 0 | 14 | 21 | 0 | 0 | 0 | 0 | 1314 |
| Percent | 2.3\% | 66.8\% | 19.2\% | 0.2\% | 7.9\% | 0.9\% | 0.0\% | 1.1\% | 1.6\% | 0.0\% | 0.0\% | 0.0\% | 0.0\% |  |

Site Code: 6
Station ID:
COLFAX AVE W/O PENRITH RD


Site Code: 6
Station ID:
COLFAX AVE W/O PENRITH RD


Site Code: 8
Station ID:
PALMER AVE-SH79 E/O ADAMS ST

| EB |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Start |  | Cars \& | 2 Axle |  | 2 Axle | 3 Axle Single | 4 Axle Single | $<5 \mathrm{AxI}$ | 5 Axle | $>6 \mathrm{AxI}$ | $<6 \mathrm{AxI}$ | 6 Axle | $>6 \mathrm{AxI}$ |  |
|  | Bikes | Trailers | Long | Buses | 6 Tire | Single | Single | Double | Double | Double | Multi | Multi |  | Total |
| 09/11/12 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 6 |
| 01:00 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 02:00 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 5 |
| 03:00 | 0 | 2 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 4 |
| 04:00 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 3 |
| 05:00 | 0 | 13 | 6 | 0 | 1 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 25 |
| 06:00 | 0 | 35 | 12 | 0 | 4 | 2 | 0 | 1 | 3 | 0 | 0 | 0 | 0 | 57 |
| 07:00 | 1 | 221 | 26 | 0 | 15 | 3 | 0 | 4 | 3 | 1 | 0 | 0 | 0 | 274 |
| 08:00 | 0 | 81 | 24 | 0 | 5 | 12 | 1 | 4 | 6 | 0 | 0 | 0 | 0 | 133 |
| 09:00 | 0 | 53 | 20 | 0 | 1 | 1 | 0 | 3 | 7 | 0 | 0 | 0 | 0 | 85 |
| 10:00 | 0 | 66 | 19 | 0 | 6 | 8 | 0 | 1 | 8 | 0 | 0 | 0 | 0 | 108 |
| 11:00 | 2 | 96 | 24 | 0 | 4 | 6 | 0 | 1 | 16 | 0 | 0 | 0 | 0 | 149 |
| 12 PM | 1 | 84 | 18 | 2 | 1 | 3 | 0 | 6 | 6 | 0 | 0 | 1 | 0 | 122 |
| 13:00 | 0 | 82 | 25 | 0 | 2 | 3 | 0 | 6 | 6 | 0 | 0 | 0 | 0 | 124 |
| 14:00 | 0 | 75 | 14 | 0 | 5 | 1 | 0 | 3 | 13 | 1 | 0 | 0 | 0 | 112 |
| 15:00 | 0 | 142 | 27 | 2 | 8 | 2 | 0 | 2 | 6 | 0 | 0 | 0 | 0 | 189 |
| 16:00 | 2 | 185 | 38 | 0 | 7 | 5 | 0 | 3 | 5 | 0 | 0 | 1 | 1 | 247 |
| 17:00 | 0 | 119 | 23 | 2 | 19 | 2 | 0 | 4 | 7 | 1 | 0 | 0 | 0 | 177 |
| 18:00 | 1 | 94 | 27 | 0 | 6 | 1 | 0 | 3 | 6 | 0 | 0 | 0 | 3 | 141 |
| 19:00 | 0 | 65 | 12 | 1 | 1 | 1 | 0 | 1 | 5 | 0 | 0 | 0 | 0 | 86 |
| 20:00 | 0 | 47 | 8 | 1 | 3 | 0 | 0 | 1 | 3 | 0 | 0 | 0 | 0 | 63 |
| 21:00 | 0 | 14 | 4 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 22 |
| 22:00 | 0 | 13 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 16 |
| 23:00 | 0 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 9 |
| Total | 7 | 1499 | 331 | 8 | 89 | 50 | 1 | 44 | 122 | 3 | 0 | 2 | 4 | 2160 |
| Percent | 0.3\% | 69.4\% | 15.3\% | 0.4\% | 4.1\% | 2.3\% | 0.0\% | 2.0\% | 5.6\% | 0.1\% | 0.0\% | 0.1\% | 0.2\% |  |
| AM Peak | 11:00 | 07:00 | 07:00 |  | 07:00 | 08:00 | 08:00 | 07:00 | 11:00 | 07:00 |  |  |  | 07:00 |
| Vol. | 2 | 221 | 26 |  | 15 | 12 | 1 | 4 | 16 | 1 |  |  |  | 274 |
| PM Peak | 16:00 | 16:00 | 16:00 | 12:00 | 17:00 | 16:00 |  | 12:00 | 14:00 | 14:00 |  | 12:00 | 18:00 | 16:00 |
| Vol. | 2 | 185 | 38 | 2 | 19 | 5 |  | 6 | 13 | 1 |  | 1 | 3 | 247 |

Site Code: 8 Station ID: PALMER AVE-SH79 E/O ADAMS ST


Site Code: 8
Station ID:
PALMER AVE-SH79 E/O ADAMS ST

| WB |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Start |  | Cars \& | 2 Axle |  | 2 Axle | 3 Axle | 4 Axle | <5 AxI | 5 Axle | $>6 \mathrm{AxI}$ | <6 AxI | 6 Axle | $>6$ AxI |  |
| Time | Bikes | Trailers | Long | Buses | 6 Tire | Single | Single | Double | Double | Double | Multi | Multi | Multi | Total |
| 09/11/12 | 0 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 9 |
| 01:00 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 4 |
| 02:00 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 03:00 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 04:00 | 0 | 12 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 15 |
| 05:00 | 0 | 31 | 13 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 46 |
| 06:00 | 0 | 58 | 11 | 0 | 9 | 0 | 0 | 1 | 4 | 1 | 0 | 0 | 0 | 84 |
| 07:00 | 3 | 133 | 13 | 0 | 8 | 0 | 0 | 2 | 4 | 1 | 0 | 0 | 0 | 164 |
| 08:00 | 0 | 128 | 25 | 0 | 6 | 0 | 0 | 1 | 9 | 0 | 0 | 0 | 0 | 169 |
| 09:00 | 1 | 75 | 14 | 0 | 5 | 5 | 0 | 0 | 8 | 0 | 0 | 0 | 0 | 108 |
| 10:00 | 2 | 63 | 21 | 0 | 3 | 8 | 0 | 2 | 3 | 0 | 0 | 0 | 0 | 102 |
| 11:00 | 1 | 91 | 21 | 0 | 3 | 17 | 0 | 1 | 8 | 0 | 0 | 0 | 0 | 142 |
| 12 PM | 1 | 86 | 33 | 0 | 1 | 6 | 1 | 2 | 14 | 2 | 0 | 0 | 0 | 146 |
| 13:00 | 0 | 70 | 18 | 0 | 4 | 0 | 1 | 1 | 7 | 0 | 0 | 0 | 0 | 101 |
| 14:00 | 0 | 56 | 10 | 0 | 6 | 1 | 0 | 4 | 3 | 0 | 0 | 0 | 0 | 80 |
| 15:00 | 2 | 80 | 15 | 1 | 3 | 0 | 0 | 4 | 9 | 1 | 0 | 0 | 0 | 115 |
| 16:00 | 1 | 200 | 34 | 0 | 8 | 0 | 1 | 1 | 9 | 1 | 0 | 0 | 0 | 255 |
| 17:00 | 1 | 126 | 13 | 1 | 4 | 2 | 0 | 2 | 9 | 1 | 0 | 0 | 0 | 159 |
| 18:00 | 0 | 104 | 18 | 1 | 3 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 130 |
| 19:00 | 0 | 64 | 10 | 1 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 78 |
| 20:00 | 0 | 77 | 8 | 2 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 89 |
| 21:00 | 0 | 17 | 3 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 23 |
| 22:00 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 |
| 23:00 | 0 | 6 | 1 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 10 |
| Total | 12 | 1500 | 283 | 6 | 67 | 41 | 3 | 22 | 104 | 7 | 0 | 0 | 0 | 2045 |
| Percent | 0.6\% | 73.3\% | 13.8\% | 0.3\% | 3.3\% | 2.0\% | 0.1\% | 1.1\% | 5.1\% | 0.3\% | 0.0\% | 0.0\% | 0.0\% |  |
| AM Peak | 07:00 | 07:00 | 08:00 |  | 06:00 | 11:00 |  | 07:00 | 08:00 | 06:00 |  |  |  | 08:00 |
| Vol. | 3 | 133 | 25 |  | 9 | 17 |  | 2 | 9 | 1 |  |  |  | 169 |
| PM Peak | 15:00 | 16:00 | 16:00 | 20:00 | 16:00 | 12:00 | 12:00 | 14:00 | 12:00 | 12:00 |  |  |  | 16:00 |
| Vol. | 2 | 200 | 34 | 2 | 8 | 6 | 1 | 4 | 14 | 2 |  |  |  | 255 |

Site Code: 8
Station ID:
PALMER AVE-SH79 E/O ADAMS ST

| Start |  | Cars \& | 2 Axle |  | 2 Axle | 3 Axle | 4 Axle | <5 AxI | 5 Axle | $>6 \mathrm{AxI}$ | <6 AxI | 6 Axle | $>6$ AxI |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Time | Bikes | Trailers | Long | Buses | 6 Tire | Single | Single | Double | Double | Double | Multi | Multi | Multi | Total |
| 09/12/12 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 6 |
| 01:00 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 3 |
| 02:00 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 4 |
| 03:00 | 0 | 3 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 5 |
| 04:00 | 0 | 12 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 14 |
| 05:00 | 0 | 27 | 18 | 0 | 2 | 2 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 51 |
| 06:00 | 0 | 53 | 11 | 0 | 11 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 78 |
| 07:00 | 3 | 134 | 18 | 1 | 5 | 4 | 0 | 0 | 4 | 0 | 0 | 0 | 1 | 170 |
| 08:00 | 0 | 135 | 25 | 0 | 10 | 2 | 0 | 3 | 7 | 0 | 0 | 0 | 1 | 183 |
| 09:00 | 0 | 59 | 20 | 0 | 8 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 91 |
| 10:00 | 0 | 83 | 12 | 1 | 4 | 0 | 0 | 3 | 6 | 0 | 0 | 0 | 1 | 110 |
| 11:00 | 0 | 101 | 23 | 0 | 9 | 0 | 0 | 2 | 19 | 0 | 0 | 0 | 0 | 154 |
| 12 PM | 1 | 79 | 27 | 0 | 7 | 0 | 0 | 1 | 10 | 1 | 0 | 0 | 1 | 127 |
| 13:00 | 0 | 62 | 14 | 0 | 4 | 0 | 0 | 0 | 6 | 1 | 0 | 0 | 0 | 87 |
| 14:00 | 0 | 60 | 15 | 0 | 4 | 1 | 0 | 2 | 14 | 0 | 0 | 0 | 0 | 96 |
| 15:00 | 1 | 90 | 18 | 0 | 3 | 1 | 0 | 1 | 7 | 0 | 0 | 0 | 0 | 121 |
| 16:00 | 3 | 215 | 28 | 0 | 11 | 0 | 1 | 2 | 2 | 0 | 0 | 0 | 0 | 262 |
| 17:00 | 0 | 111 | 14 | 0 | 4 | 1 | 0 | 2 | 7 | 0 | 0 | 0 | 0 | 139 |
| 18:00 | 0 | 108 | 16 | 0 | 3 | 0 | 0 | 2 | 2 | 0 | 0 | 0 | 1 | 132 |
| 19:00 | 0 | 59 | 7 | 3 | 1 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 74 |
| 20:00 | 0 | 14 | 5 | 0 | 3 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 26 |
| 21:00 | 0 | 14 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 16 |
| 22:00 | 0 | 7 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 10 |
| 23:00 | 0 | 6 | 2 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 11 |
| Total | 8 | 1441 | 275 | 5 | 90 | 11 | 1 | 19 | 113 | 2 | 0 | 0 | 5 | 1970 |
| Percent | 0.4\% | 73.1\% | 14.0\% | 0.3\% | 4.6\% | 0.6\% | 0.1\% | 1.0\% | 5.7\% | 0.1\% | 0.0\% | 0.0\% | 0.3\% |  |
| AM Peak | 07:00 | 08:00 | 08:00 | 07:00 | 06:00 | 07:00 |  | 08:00 | 11:00 |  |  |  | 07:00 | 08:00 |
| Vol. | 3 | 135 | 25 | 1 | 11 | 4 |  | 3 | 19 |  |  |  | 1 | 183 |
| PM Peak | 16:00 | 16:00 | 16:00 | 19:00 | 16:00 | 14:00 | 16:00 | 14:00 | 14:00 | 12:00 |  |  | 12:00 | 16:00 |
| Vol. | 3 | 215 | 28 | 3 | 11 | 1 | 1 | 2 | 14 | 1 |  |  | 1 | 262 |
| Grand Total | 20 | 2941 | 558 | 11 | 157 | 52 | 4 | 41 | 217 | 9 | 0 | 0 | 5 | 4015 |
| Percent | 0.5\% | 73.3\% | 13.9\% | 0.3\% | 3.9\% | 1.3\% | 0.1\% | 1.0\% | 5.4\% | 0.2\% | 0.0\% | 0.0\% | 0.1\% |  |

Site Code: 9
Station ID:
SH79 N/O 38TH AVE

| NB |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Start |  | Cars \& | 2 Axle |  | 2 Axle | 3 Axle | 4 Axle | <5 AxI | 5 Axle | $>6 \mathrm{AxI}$ | <6 AxI | 6 Axle | >6 AxI |  |
| Time | Bikes | Trailers | Long | Buses | 6 Tire | Single | Single | Double | Double | Double | Multi | Multi | Multi | Total |
| 09/11/12 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 0 | 0 | 0 | 0 | 6 |
| 01:00 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 02:00 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 4 |
| 03:00 | 0 | 0 | 1 | 0 | 2 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 4 |
| 04:00 | 0 | 3 | 2 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 7 |
| 05:00 | 0 | 2 | 11 | 0 | 4 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 21 |
| 06:00 | 0 | 21 | 8 | 1 | 12 | 1 | 0 | 1 | 4 | 0 | 0 | 0 | 0 | 48 |
| 07:00 | 0 | 27 | 8 | 0 | 6 | 0 | 0 | 0 | 5 | 1 | 0 | 0 | 0 | 47 |
| 08:00 | 0 | 22 | 11 | 1 | 7 | 0 | 0 | 4 | 3 | 0 | 0 | 0 | 0 | 48 |
| 09:00 | 1 | 18 | 10 | 1 | 2 | 0 | 0 | 3 | 6 | 0 | 0 | 0 | 0 | 41 |
| 10:00 | 0 | 23 | 10 | 0 | 4 | 0 | 0 | 4 | 9 | 0 | 0 | 0 | 0 | 50 |
| 11:00 | 3 | 27 | 7 | 4 | 4 | 3 | 0 | 3 | 10 | 0 | 0 | 0 | 0 | 61 |
| 12 PM | 0 | 21 | 8 | 3 | 5 | 1 | 0 | 6 | 8 | 0 | 0 | 0 | 0 | 52 |
| 13:00 | 1 | 31 | 16 | 1 | 4 | 0 | 0 | 6 | 7 | 0 | 0 | 0 | 0 | 66 |
| 14:00 | 1 | 30 | 14 | 1 | 7 | 2 | 0 | 3 | 13 | 0 | 0 | 0 | 0 | 71 |
| 15:00 | 1 | 43 | 8 | 2 | 9 | 1 | 0 | 2 | 7 | 0 | 0 | 0 | 0 | 73 |
| 16:00 | 1 | 64 | 23 | 3 | 10 | 1 | 0 | 1 | 7 | 0 | 0 | 1 | 0 | 111 |
| 17:00 | 0 | 63 | 13 | 2 | 13 | 0 | 0 | 5 | 3 | 0 | 0 | 0 | 0 | 99 |
| 18:00 | 0 | 48 | 13 | 2 | 12 | 0 | 0 | 3 | 11 | 2 | 0 | 0 | 0 | 91 |
| 19:00 | 0 | 34 | 6 | 2 | 4 | 0 | 0 | 1 | 7 | 0 | 0 | 0 | 0 | 54 |
| 20:00 | 1 | 30 | 9 | 1 | 4 | 0 | 0 | 1 | 3 | 0 | 0 | 0 | 0 | 49 |
| 21:00 | 1 | 11 | 4 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 21 |
| 22:00 | 0 | 10 | 1 | 0 | 1 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 15 |
| 23:00 | 0 | 3 | 1 | 2 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 9 |
| Total | 11 | 534 | 184 | 26 | 111 | 9 | 0 | 44 | 126 | 3 | 0 | 1 | 0 | 1049 |
| Percent | 1.0\% | 50.9\% | 17.5\% | 2.5\% | 10.6\% | 0.9\% | 0.0\% | 4.2\% | 12.0\% | 0.3\% | 0.0\% | 0.1\% | 0.0\% |  |
| AM Peak | 11:00 | 07:00 | 05:00 | 11:00 | 06:00 | 11:00 |  | 08:00 | 11:00 | 07:00 |  |  |  | 11:00 |
| Vol. | 3 | 27 | 11 | 4 | 12 | 3 |  | 4 | 10 | 1 |  |  |  | 61 |
| PM Peak | 13:00 | 16:00 | 16:00 | 12:00 | 17:00 | 14:00 |  | 12:00 | 14:00 | 18:00 |  | 16:00 |  | 16:00 |
| Vol. | 1 | 64 | 23 | 3 | 13 | 2 |  | 6 | 13 | 2 |  | 1 |  | 111 |

Site Code: 9
Station ID:
SH79 N/O 38TH AVE

| NB |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Cars \& | 2 Axle |  | $2 \text { Axle }$ | 3 Axle | 4 Axle | $<5 \mathrm{AxI}$ | 5 Axle | $>6 \mathrm{AxI}$ | $<6 \mathrm{AxI}$ | 6 Axle | $>6 \mathrm{AxI}$ |  |
| Time | Bikes | Trailers | Long | Buses | 6 Tire | Single | Single | Double | Double | Double | Multi | Multi | Multi | Total |
| 09/12/12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 01:00 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 02:00 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 03:00 | 0 | 2 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| 04:00 | 0 | 2 | 0 | 0 | 1 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 7 |
| 05:00 | 0 | 8 | 8 | 0 | 4 | 1 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 23 |
| 06:00 | 0 | 18 | 9 | 0 | 7 | 0 | 0 | 1 | 4 | 0 | 0 | 0 | 1 | 40 |
| 07:00 | 2 | 21 | 7 | 2 | 5 | 0 | 0 | 2 | 11 | 0 | 0 | 0 | 1 | 51 |
| 08:00 | 0 | 29 | 13 | 0 | 8 | 1 | 0 | 3 | 6 | 0 | 0 | 0 | 0 | 60 |
| 09:00 | 1 | 24 | 5 | 3 | 11 | 3 | 0 | 1 | 5 | 0 | 0 | 0 | 0 | 53 |
| 10:00 | 3 | 31 | 5 | 4 | 5 | 0 | 0 | 1 | 15 | 0 | 0 | 0 | 0 | 64 |
| 11:00 | 1 | 25 | 5 | 5 | 4 | 1 | 0 | 1 | 11 | 0 | 0 | 0 | 0 | 53 |
| 12 PM | 0 | 26 | 13 | 0 | 8 | 2 | 0 | 1 | 4 | 1 | 0 | 0 | 0 | 55 |
| 13:00 | 0 | 27 | 4 | 2 | 13 | 0 | 0 | 3 | 11 | 2 | 0 | 0 | 0 | 62 |
| 14:00 | 0 | 25 | 9 | 2 | 6 | 0 | 0 | 1 | 10 | 1 | 0 | 0 | 0 | 54 |
| 15:00 | 0 | 37 | 6 | 0 | 5 | 0 | 0 | 2 | 5 | 0 | 0 | 0 | 0 | 55 |
| 16:00 | 0 | 61 | 29 | 0 | 10 | 0 | 0 | 2 | 6 | 1 | 0 | 0 | 0 | 109 |
| 17:00 | 0 | 58 | 10 | 4 | 14 | 0 | 0 | 1 | 8 | 0 | 0 | 0 | 0 | 95 |
| 18:00 | 0 | 41 | 10 | 1 | 8 | 0 | 0 | 1 | 9 | 0 | 0 | 0 | 0 | 70 |
| 19:00 | 2 | 42 | 5 | 0 | 5 | 0 | 0 | 3 | 5 | 0 | 0 | 0 | 0 | 62 |
| 20:00 | 0 | 19 | 6 | 2 | 4 | 0 | 0 | 1 | 4 | 0 | 0 | 0 | 0 | 36 |
| 21:00 | 0 | 18 | 2 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 25 |
| 22:00 | 0 | 11 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 13 |
| 23:00 | 0 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 6 |
| Total | 9 | 529 | 147 | 29 | 125 | 8 | 0 | 24 | 124 | 5 | 0 | 0 | 2 | 1002 |
| Percent | 0.9\% | 52.8\% | 14.7\% | 2.9\% | 12.5\% | 0.8\% | 0.0\% | 2.4\% | 12.4\% | 0.5\% | 0.0\% | 0.0\% | 0.2\% |  |
| AM Peak | 10:00 | 10:00 | 08:00 | 11:00 | 09:00 | 09:00 |  | 08:00 | 10:00 |  |  |  | 06:00 | 10:00 |
| Vol. | 3 | 31 | 13 | 5 | 11 | 3 |  | 3 | 15 |  |  |  | 1 | 64 |
| PM Peak | 19:00 | 16:00 | 16:00 | 17:00 | 17:00 | 12:00 |  | 13:00 | 13:00 | 13:00 |  |  |  | 16:00 |
| Vol. | 2 | 61 | 29 | 4 | 14 | 2 |  | 3 | 11 | 2 |  |  |  | 109 |
| Grand Total | 20 | 1063 | 331 | 55 | 236 | 17 | 0 | 68 | 250 | 8 | 0 | 1 | 2 | 2051 |
| Percent | 1.0\% | 51.8\% | 16.1\% | 2.7\% | 11.5\% | 0.8\% | 0.0\% | 3.3\% | 12.2\% | 0.4\% | 0.0\% | 0.0\% | 0.1\% |  |

Site Code: 9
Station ID:
SH79 N/O 38TH AVE

| Start |  | Cars \& | 2 Axle |  | 2 Axle | 3 Axle | 4 Axle | <5 AxI | 5 Axle | $>6 \mathrm{AxI}$ | <6 AxI | 6 Axle | >6 AxI |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Time | Bikes | Trailers | Long | Buses | 6 Tire | Single | Single | Double | Double | Double | Multi | Multi | Multi | Total |
| 09/11/12 | 0 | 10 | 1 | 1 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 14 |
| 01:00 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 3 |
| 02:00 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 03:00 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 04:00 | 0 | 6 | 1 | 0 | 1 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 10 |
| 05:00 | 0 | 22 | 10 | 0 | 3 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 36 |
| 06:00 | 1 | 38 | 18 | 0 | 9 | 0 | 0 | 2 | 3 | 1 | 0 | 0 | 0 | 72 |
| 07:00 | 2 | 63 | 16 | 0 | 13 | 1 | 0 | 4 | 3 | 1 | 0 | 0 | 0 | 103 |
| 08:00 | 0 | 35 | 12 | 3 | 9 | 0 | 0 | 5 | 7 | 0 | 0 | 0 | 0 | 71 |
| 09:00 | 1 | 30 | 13 | 0 | 4 | 0 | 0 | 1 | 6 | 0 | 0 | 0 | 0 | 55 |
| 10:00 | 2 | 19 | 6 | 3 | 6 | 0 | 0 | 3 | 2 | 0 | 0 | 0 | 0 | 41 |
| 11:00 | 2 | 22 | 12 | 3 | 7 | 1 | 0 | 3 | 6 | 1 | 0 | 0 | 0 | 57 |
| 12 PM | 1 | 35 | 10 | 3 | 5 | 0 | 0 | 10 | 8 | 1 | 0 | 0 | 0 | 73 |
| 13:00 | 1 | 25 | 15 | 1 | 6 | 0 | 0 | 5 | 5 | 0 | 0 | 0 | 0 | 58 |
| 14:00 | 1 | 21 | 9 | 2 | 7 | 1 | 0 | 3 | 2 | 0 | 0 | 0 | 0 | 46 |
| 15:00 | 0 | 33 | 14 | 1 | 5 | 0 | 0 | 5 | 6 | 0 | 0 | 0 | 0 | 64 |
| 16:00 | 0 | 43 | 10 | 3 | 12 | 1 | 0 | 4 | 8 | 0 | 0 | 0 | 0 | 81 |
| 17:00 | 0 | 48 | 16 | 3 | 10 | 1 | 0 | 3 | 7 | 0 | 0 | 0 | 0 | 88 |
| 18:00 | 0 | 20 | 14 | 1 | 6 | 0 | 0 | 3 | 3 | 0 | 0 | 0 | 0 | 47 |
| 19:00 | 0 | 21 | 7 | 1 | 4 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 34 |
| 20:00 | 1 | 26 | 5 | 2 | 4 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 39 |
| 21:00 | 0 | 7 | 2 | 1 | 3 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 15 |
| 22:00 | 1 | 6 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 |
| 23:00 | 0 | 7 | 2 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 11 |
| Total | 14 | 542 | 194 | 28 | 114 | 5 | 0 | 54 | 76 | 4 | 0 | 0 | 0 | 1031 |
| Percent | 1.4\% | 52.6\% | 18.8\% | 2.7\% | 11.1\% | 0.5\% | 0.0\% | 5.2\% | 7.4\% | 0.4\% | 0.0\% | 0.0\% | 0.0\% |  |
| AM Peak | 07:00 | 07:00 | 06:00 | 08:00 | 07:00 | 07:00 |  | 08:00 | 08:00 | 06:00 |  |  |  | 07:00 |
| Vol. | 2 | 63 | 18 | 3 | 13 | 1 |  | 5 | 7 | 1 |  |  |  | 103 |
| PM Peak | 12:00 | 17:00 | 17:00 | 12:00 | 16:00 | 14:00 |  | 12:00 | 12:00 | 12:00 |  |  |  | 17:00 |
| Vol. | 1 | 48 | 16 | 3 | 12 | 1 |  | 10 | 8 | 1 |  |  |  | 88 |

Site Code: 9
Station ID:
SH79 N/O 38TH AVE

| Start |  | Cars \& | 2 Axle |  | 2 Axle | 3 Axle | 4 Axle | <5 AxI | 5 Axle | $>6 \mathrm{AxI}$ | <6 AxI | 6 Axle | $>6 \mathrm{AxI}$ |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Time | Bikes | Trailers | Long | Buses | 6 Tire | Single | Single | Double | Double | Double | Multi | Multi | Multi | Total |
| 09/12/12 | 0 | 4 | 2 | 0 | 1 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 9 |
| 01:00 | 0 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 02:00 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 4 |
| 03:00 | 0 | 6 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 9 |
| 04:00 | 0 | 13 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 |
| 05:00 | 1 | 14 | 8 | 1 | 7 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 34 |
| 06:00 | 4 | 44 | 13 | 1 | 7 | 0 | 0 | 3 | 2 | 0 | 0 | 0 | 0 | 74 |
| 07:00 | 4 | 67 | 17 | 3 | 9 | 3 | 0 | 2 | 4 | 0 | 0 | 0 | 1 | 110 |
| 08:00 | 4 | 52 | 10 | 4 | 14 | 3 | 0 | 7 | 0 | 0 | 0 | 0 | 1 | 95 |
| 09:00 | 1 | 29 | 11 | 1 | 11 | 1 | 0 | 4 | 2 | 0 | 0 | 0 | 0 | 60 |
| 10:00 | 1 | 32 | 12 | 2 | 4 | 1 | 0 | 2 | 7 | 0 | 0 | 0 | 0 | 61 |
| 11:00 | 6 | 33 | 12 | 4 | 8 | 5 | 0 | 4 | 14 | 0 | 0 | 0 | 0 | 86 |
| 12 PM | 2 | 24 | 5 | 1 | 13 | 0 | 0 | 5 | 11 | 0 | 0 | 0 | 1 | 62 |
| 13:00 | 0 | 31 | 15 | 1 | 9 | 1 | 0 | 2 | 3 | 0 | 0 | 0 | 0 | 62 |
| 14:00 | 1 | 32 | 6 | 3 | 6 | 4 | 0 | 2 | 4 | 0 | 0 | 0 | 1 | 59 |
| 15:00 | 1 | 40 | 11 | 4 | 2 | 0 | 0 | 3 | 6 | 0 | 0 | 0 | 0 | 67 |
| 16:00 | 1 | 30 | 14 | 0 | 9 | 0 | 0 | 3 | 3 | 0 | 0 | 0 | 0 | 60 |
| 17:00 | 1 | 36 | 8 | 0 | 13 | 0 | 0 | 4 | 5 | 0 | 0 | 0 | 0 | 67 |
| 18:00 | 0 | 30 | 11 | 2 | 9 | 0 | 0 | 3 | 3 | 0 | 0 | 0 | 0 | 58 |
| 19:00 | 1 | 27 | 6 | 4 | 6 | 0 | 0 | 1 | 4 | 0 | 0 | 0 | 0 | 49 |
| 20:00 | 0 | 15 | 5 | 0 | 8 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 31 |
| 21:00 | 0 | 8 | 0 | 2 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 11 |
| 22:00 | 0 | 2 | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 6 |
| 23:00 | 0 | 4 | 2 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 9 |
| Total | 28 | 577 | 171 | 35 | 139 | 20 | 0 | 50 | 76 | 0 | 0 | 0 | 4 | 1100 |
| Percent | 2.5\% | 52.5\% | 15.5\% | 3.2\% | 12.6\% | 1.8\% | 0.0\% | 4.5\% | 6.9\% | 0.0\% | 0.0\% | 0.0\% | 0.4\% |  |
| AM Peak | 11:00 | 07:00 | 07:00 | 08:00 | 08:00 | 11:00 |  | 08:00 | 11:00 |  |  |  | 07:00 | 07:00 |
| Vol. | 6 | 67 | 17 | 4 | 14 | 5 |  | 7 | 14 |  |  |  | 1 | 110 |
| PM Peak | 12:00 | 15:00 | 13:00 | 15:00 | 12:00 | 14:00 |  | 12:00 | 12:00 |  |  |  | 12:00 | 15:00 |
| Vol. | 2 | 40 | 15 | 4 | 13 | 4 |  | 5 | 11 |  |  |  | 1 | 67 |
| Grand Total | 42 | 1119 | 365 | 63 | 253 | 25 | 0 | 104 | 152 | 4 | 0 | 0 | 4 | 2131 |
| Percent | 2.0\% | 52.5\% | 17.1\% | 3.0\% | 11.9\% | 1.2\% | 0.0\% | 4.9\% | 7.1\% | 0.2\% | 0.0\% | 0.0\% | 0.2\% |  |

Site Code: 11 Station ID:
COLFAX AVE E/O KIOWA-BENNETT RD
EB

| EB |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Start |  | Cars \& | 2 Axle |  | 2 Axle | 3 Axle | 4 Axle | <5 AxI | 5 Axle | $>6 \mathrm{AxI}$ | <6 AxI | 6 Axle | $>6 \mathrm{AxI}$ |  |
| Time | Bikes | Trailers | Long | Buses | 6 Tire | Single | Single | Double | Double | Double | Multi | Multi | Multi | Total |
| 09/11/12 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 01:00 | 0 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 6 |
| 02:00 | 0 | 2 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| 03:00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 3 |
| 04:00 | 0 | 4 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 |
| 05:00 | 1 | 22 | 12 | 0 | 4 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 41 |
| 06:00 | 1 | 53 | 13 | 0 | 11 | 0 | 0 | 0 | 2 | 2 | 0 | 0 | 0 | 82 |
| 07:00 | 0 | 62 | 16 | 0 | 7 | 3 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 89 |
| 08:00 | 1 | 41 | 25 | 1 | 14 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 85 |
| 09:00 | 1 | 27 | 13 | 1 | 5 | 2 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 51 |
| 10:00 | 0 | 42 | 16 | 1 | 4 | 4 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 68 |
| 11:00 | 2 | 22 | 19 | 4 | 1 | 11 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 60 |
| 12 PM | 0 | 31 | 23 | 1 | 7 | 2 | 0 | 1 | 3 | 0 | 0 | 0 | 0 | 68 |
| 13:00 | 4 | 39 | 11 | 1 | 3 | 2 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 63 |
| 14:00 | 0 | 38 | 8 | 0 | 9 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 57 |
| 15:00 | 0 | 63 | 11 | 5 | 4 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 86 |
| 16:00 | 0 | 52 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 62 |
| 17:00 | 5 | 56 | 14 | 0 | 6 | 0 | 0 | 1 | 3 | 0 | 0 | 0 | 0 | 85 |
| 18:00 | 0 | 55 | 19 | 1 | 3 | 0 | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 82 |
| 19:00 | 1 | 29 | 12 | 0 | 3 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 47 |
| 20:00 | 1 | 26 | 3 | 0 | 3 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 34 |
| 21:00 | 0 | 15 | 3 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20 |
| 22:00 | 1 | 8 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 |
| 23:00 | 0 | 5 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 |
| Total | 19 | 698 | 240 | 16 | 87 | 29 | 1 | 8 | 23 | 2 | 0 | 0 | 0 | 1123 |
| Percent | 1.7\% | 62.2\% | 21.4\% | 1.4\% | 7.7\% | 2.6\% | 0.1\% | 0.7\% | 2.0\% | 0.2\% | 0.0\% | 0.0\% | 0.0\% |  |
| AM Peak | 11:00 | 07:00 | 08:00 | 11:00 | 08:00 | 11:00 |  | 09:00 | 05:00 | 06:00 |  |  |  | 07:00 |
| Vol. | 2 | 62 | 25 | 4 | 14 | 11 |  | 1 | 2 | 2 |  |  |  | 89 |
| PM Peak | 17:00 | 15:00 | 12:00 | 15:00 | 14:00 | 12:00 | 15:00 | 18:00 | 12:00 |  |  |  |  | 15:00 |
| Vol. | 5 | 63 | 23 | 5 | 9 | 2 | 1 | 2 | 3 |  |  |  |  | 86 |

Site Code: 11 Station ID:
COLFAX AVE E/O KIOWA-BENNETT RD

| Start |  | Cars \& | 2 Axle |  | 2 Axle | 3 Axle | 4 Axle | $<5 \mathrm{AxI}$ | 5 Axle | $>6 \mathrm{AxI}$ | <6 AxI | 6 Axle | $>6 \mathrm{AxI}$ |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Time | Bikes | Trailers | Long | Buses | 6 Tire | Single | Single | Double | Double | Double | Multi | Multi | Multi | Total |
| 09/12/12 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| 01:00 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 02:00 | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 5 |
| 03:00 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 4 |
| 04:00 | 0 | 7 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 |
| 05:00 | 0 | 23 | 8 | 0 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 39 |
| 06:00 | 0 | 56 | 11 | 0 | 9 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 80 |
| 07:00 | 0 | 81 | 23 | 0 | 8 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 114 |
| 08:00 | 0 | 42 | 9 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 55 |
| 09:00 | 0 | 34 | 13 | 0 | 7 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 58 |
| 10:00 | 1 | 27 | 3 | 0 | 3 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 36 |
| 11:00 | 2 | 28 | 5 | 0 | 5 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 42 |
| 12 PM | 0 | 32 | 13 | 0 | 5 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 51 |
| 13:00 | 0 | 49 | 15 | 1 | 7 | 2 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 75 |
| 14:00 | 0 | 33 | 9 | 0 | 5 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 49 |
| 15:00 | 0 | 36 | 8 | 0 | 6 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 51 |
| 16:00 | 0 | 50 | 13 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 65 |
| 17:00 | 1 | 50 | 16 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 70 |
| 18:00 | 0 | 46 | 14 | 0 | 5 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 67 |
| 19:00 | 0 | 35 | 6 | 0 | 2 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 44 |
| 20:00 | 0 | 16 | 3 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 22 |
| 21:00 | 0 | 12 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 |
| 22:00 | 0 | 6 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 |
| 23:00 | 0 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 |
| Total | 4 | 678 | 177 | 1 | 83 | 4 | 0 | 4 | 17 | 1 | 0 | 0 | 0 | 969 |
| Percent | 0.4\% | 70.0\% | 18.3\% | 0.1\% | 8.6\% | 0.4\% | 0.0\% | 0.4\% | 1.8\% | 0.1\% | 0.0\% | 0.0\% | 0.0\% |  |
| AM Peak | 11:00 | 07:00 | 07:00 |  | 06:00 | 07:00 |  | 11:00 | 06:00 |  |  |  |  | 07:00 |
| Vol. | 2 | 81 | 23 |  | 9 | 1 |  | 1 | 4 |  |  |  |  | 114 |
| PM Peak | 17:00 | 16:00 | 17:00 | 13:00 | 13:00 | 13:00 |  | 12:00 | 13:00 | 14:00 |  |  |  | 13:00 |
| Vol. | 1 | 50 | 16 | 1 | 7 | 2 |  | 1 | 1 | 1 |  |  |  | 75 |
| Grand Total | 23 | 1376 | 417 | 17 | 170 | 33 | 1 | 12 | 40 | 3 | 0 | 0 | 0 | 2092 |
| Percent | 1.1\% | 65.8\% | 19.9\% | 0.8\% | 8.1\% | 1.6\% | 0.0\% | 0.6\% | 1.9\% | 0.1\% | 0.0\% | 0.0\% | 0.0\% |  |

Site Code: 11 Station ID: COLFAX AVE E/O KIOWA-BENNETT RD

WB

| WB |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Start |  | Cars \& | 2 Axle |  | 2 Axle | 3 Axle | 4 Axle | $<5 \mathrm{AxI}$ | 5 Axle | $>6 \mathrm{AxI}$ | <6 AxI | 6 Axle | $>6 \mathrm{AxI}$ |  |
| Time | Bikes | Trailers | Long | Buses | 6 Tire | Single | Single | Double | Double | Double | Multi | Multi | Multi | Total |
| 09/11/12 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 4 |
| 01:00 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 02:00 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 2 |
| 03:00 | 1 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| 04:00 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 7 |
| 05:00 | 0 | 11 | 1 | 0 | 2 | 1 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 17 |
| 06:00 | 0 | 18 | 9 | 0 | 4 | 0 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 34 |
| 07:00 | 1 | 31 | 14 | 0 | 3 | 1 | 0 | 2 | 5 | 1 | 0 | 0 | 0 | 58 |
| 08:00 | 0 | 46 | 16 | 4 | 5 | 6 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 79 |
| 09:00 | 1 | 28 | 13 | 1 | 8 | 7 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 60 |
| 10:00 | 0 | 29 | 14 | 1 | 7 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 53 |
| 11:00 | 0 | 35 | 22 | 4 | 7 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 69 |
| 12 PM | 1 | 33 | 16 | 3 | 9 | 1 | 0 | 3 | 2 | 0 | 0 | 0 | 0 | 68 |
| 13:00 | 0 | 23 | 12 | 2 | 7 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 46 |
| 14:00 | 1 | 40 | 14 | 2 | 7 | 1 | 0 | 4 | 3 | 0 | 0 | 0 | 0 | 72 |
| 15:00 | 0 | 52 | 5 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 58 |
| 16:00 | 1 | 55 | 16 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 75 |
| 17:00 | 1 | 52 | 16 | 0 | 0 | 0 | 0 | 2 | 3 | 0 | 0 | 0 | 0 | 74 |
| 18:00 | 0 | 41 | 12 | 0 | 0 | 0 | 0 | 1 | 8 | 0 | 0 | 0 | 0 | 62 |
| 19:00 | 0 | 22 | 4 | 0 | 1 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 30 |
| 20:00 | 0 | 11 | 3 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16 |
| 21:00 | 0 | 13 | 3 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 19 |
| 22:00 | 0 | 10 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 |
| 23:00 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 6 |
| Total | 7 | 561 | 193 | 18 | 62 | 17 | 0 | 15 | 52 | 2 | 0 | 0 | 0 | 927 |
| Percent | 0.8\% | 60.5\% | 20.8\% | 1.9\% | 6.7\% | 1.8\% | 0.0\% | 1.6\% | 5.6\% | 0.2\% | 0.0\% | 0.0\% | 0.0\% |  |
| AM Peak | 03:00 | 08:00 | 11:00 | 08:00 | 09:00 | 09:00 |  | 07:00 | 07:00 | 06:00 |  |  |  | 08:00 |
| Vol. | 1 | 46 | 22 | 4 | 8 | 7 |  | 2 | 5 | 1 |  |  |  | 79 |
| PM Peak | 12:00 | 16:00 | 12:00 | 12:00 | 12:00 | 12:00 |  | 14:00 | 18:00 |  |  |  |  | 16:00 |
| Vol. | 1 | 55 | 16 | 3 | 9 | 1 |  | 4 | 8 |  |  |  |  | 75 |

WB

| Start <br> Time | Bikes |  <br> Trailers | 2 Axle Long | Buses | 2 Axle 6 Tire | 3 Axle Single | 4 Axle Single | $<5$ AxI Double | 5 Axle Double | >6 AxI Double | $\begin{array}{r} \text { <6 AxI } \\ \text { Multi } \end{array}$ | 6 Axle Multi | $\begin{array}{r} >6 \mathrm{AxI} \\ \text { Multi } \end{array}$ | Total |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 09/12/12 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 01:00 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 02:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 03:00 | 0 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 04:00 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 7 |
| 05:00 | 0 | 8 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 |
| 06:00 | 1 | 28 | 6 | 0 | 2 | 0 | 0 | 0 | 3 | 1 | 0 | 0 | 1 | 42 |
| 07:00 | 0 | 41 | 9 | 0 | 3 | 0 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 56 |
| 08:00 | 0 | 46 | 10 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 61 |
| 09:00 | 0 | 36 | 8 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 49 |
| 10:00 | 1 | 27 | 5 | 0 | 1 | 1 | 0 | 0 | 5 | 1 | 0 | 0 | 0 | 41 |
| 11:00 | 0 | 39 | 3 | 2 | 1 | 1 | 0 | 2 | 3 | 0 | 0 | 0 | 0 | 51 |
| 12 PM | 0 | 30 | 9 | 0 | 4 | 2 | 0 | 1 | 2 | 1 | 0 | 0 | 0 | 49 |
| 13:00 | 0 | 27 | 7 | 0 | 2 | 2 | 0 | 0 | 9 | 1 | 0 | 0 | 0 | 48 |
| 14:00 | 1 | 27 | 7 | 1 | 3 | 2 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 44 |
| 15:00 | 0 | 39 | 7 | 0 | 4 | 1 | 0 | 1 | 3 | 0 | 0 | 0 | 0 | 55 |
| 16:00 | 0 | 41 | 8 | 0 | 3 | 0 | 0 | 0 | 7 | 0 | 0 | 0 | 0 | 59 |
| 17:00 | 0 | 32 | 11 | 1 | 1 | 1 | 0 | 1 | 8 | 0 | 0 | 0 | 0 | 55 |
| 18:00 | 0 | 27 | 11 | 0 | 1 | 0 | 0 | 0 | 9 | 0 | 0 | 0 | 0 | 48 |
| 19:00 | 0 | 27 | 5 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 33 |
| 20:00 | 0 | 18 | 4 | 0 | 1 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 25 |
| 21:00 | 0 | 11 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 |
| 22:00 | 0 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 6 |
| 23:00 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 4 |
| Total | 3 | 518 | 116 | 5 | 32 | 10 | 0 | 6 | 68 | 5 | 0 | 0 | 1 | 764 |
| Percent | 0.4\% | 67.8\% | 15.2\% | 0.7\% | 4.2\% | 1.3\% | 0.0\% | 0.8\% | 8.9\% | 0.7\% | 0.0\% | 0.0\% | 0.1\% |  |
| AM Peak | 06:00 | 08:00 | 08:00 | 11:00 | 08:00 | 10:00 |  | 11:00 | 09:00 | 06:00 |  |  | 06:00 | 08:00 |
| Vol. | 1 | 46 | 10 | 2 | 5 | 1 |  | 2 | 5 | 1 |  |  | 1 | 61 |
| PM Peak | 14:00 | 16:00 | 17:00 | 14:00 | 12:00 | 12:00 |  | 12:00 | 13:00 | 12:00 |  |  |  | 16:00 |
| Vol. | 1 | 41 | 11 | 1 | 4 | 2 |  | 1 | 9 | 1 |  |  |  | 59 |
| Grand Total | 10 | 1079 | 309 | 23 | 94 | 27 | 0 | 21 | 120 | 7 | 0 | 0 | 1 | 1691 |
| Percent | 0.6\% | 63.8\% | 18.3\% | 1.4\% | 5.6\% | 1.6\% | 0.0\% | 1.2\% | 7.1\% | 0.4\% | 0.0\% | 0.0\% | 0.1\% |  |

Site Code: 15
Station ID:
KIOWA-BENNETT RD S/O 6TH AVE

| NB |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Start |  | Cars \& | 2 Axle |  | 2 Axle | 3 Axle | 4 Axle | <5 AxI | 5 Axle | $>6$ AxI | <6 AxI | 6 Axle | $>6$ AxI |  |
| Time | Bikes | Trailers | Long | Buses | 6 Tire | Single | Single | Double | Double | Double | Multi | Multi | Multi | Total |
| 09/11/12 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 3 |
| 01:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 02:00 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 03:00 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 4 |
| 04:00 | 0 | 7 | 6 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 |
| 05:00 | 0 | 42 | 7 | 1 | 2 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 55 |
| 06:00 | 0 | 73 | 20 | 0 | 4 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 98 |
| 07:00 | 0 | 109 | 21 | 0 | 13 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 145 |
| 08:00 | 1 | 46 | 15 | 0 | 4 | 0 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 72 |
| 09:00 | 0 | 31 | 18 | 0 | 2 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 53 |
| 10:00 | 0 | 27 | 6 | 0 | 2 | 0 | 0 | 5 | 1 | 0 | 0 | 0 | 0 | 41 |
| 11:00 | 0 | 26 | 19 | 0 | 6 | 0 | 0 | 7 | 0 | 0 | 0 | 0 | 0 | 58 |
| 12 PM | 0 | 28 | 7 | 1 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 41 |
| 13:00 | 0 | 22 | 9 | 2 | 2 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 37 |
| 14:00 | 0 | 26 | 9 | 0 | 5 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 44 |
| 15:00 | 0 | 27 | 8 | 0 | 6 | 1 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 45 |
| 16:00 | 0 | 46 | 17 | 0 | 3 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 67 |
| 17:00 | 0 | 52 | 18 | 1 | 7 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 80 |
| 18:00 | 1 | 29 | 15 | 0 | 1 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 48 |
| 19:00 | 0 | 19 | 5 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 27 |
| 20:00 | 0 | 14 | 1 | 0 | 3 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 19 |
| 21:00 | 0 | 4 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 |
| 22:00 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 23:00 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| Total | 3 | 638 | 206 | 6 | 63 | 1 | 0 | 42 | 7 | 0 | 0 | 0 | 0 | 966 |
| Percent | 0.3\% | 66.0\% | 21.3\% | 0.6\% | 6.5\% | 0.1\% | 0.0\% | 4.3\% | 0.7\% | 0.0\% | 0.0\% | 0.0\% | 0.0\% |  |
| AM Peak | 03:00 | 07:00 | 07:00 | 05:00 | 07:00 |  |  | 11:00 | 07:00 |  |  |  |  | 07:00 |
| Vol. | 1 | 109 | 21 | 1 | 13 |  |  | 7 | 2 |  |  |  |  | 145 |
| PM Peak | 18:00 | 17:00 | 17:00 | 13:00 | 17:00 | 15:00 |  | 12:00 |  |  |  |  |  | 17:00 |
| Vol. | 1 | 52 | 18 | 2 | 7 | 1 |  | 5 |  |  |  |  |  | 80 |

Site Code: 15
Station ID:
KIOWA-BENNETT RD S/O 6TH AVE

| NB |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Start |  | Cars \& | 2 Axle |  | 2 Axle | 3 Axle | 4 Axle | $<5 \mathrm{AxI}$ | 5 Axle | $>6 \mathrm{AxI}$ | <6 AxI | 6 Axle | >6 AxI |  |
| Time | Bikes | Trailers | Long | Buses | 6 Tire | Single | Single | Double | Double | Double | Multi | Multi | Multi | Total |
| 09/12/12 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 01:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 02:00 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 03:00 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 5 |
| 04:00 | 0 | 12 | 3 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 16 |
| 05:00 | 0 | 32 | 18 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 53 |
| 06:00 | 0 | 68 | 13 | 0 | 3 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 87 |
| 07:00 | 0 | 126 | 23 | 0 | 11 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 162 |
| 08:00 | 0 | 52 | 13 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 67 |
| 09:00 | 0 | 37 | 12 | 2 | 3 | 2 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 59 |
| 10:00 | 0 | 31 | 7 | 0 | 5 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 44 |
| 11:00 | 0 | 27 | 12 | 0 | 3 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 43 |
| 12 PM | 0 | 26 | 16 | 0 | 3 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 46 |
| 13:00 | 0 | 23 | 8 | 0 | 2 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 34 |
| 14:00 | 1 | 24 | 13 | 0 | 1 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 42 |
| 15:00 | 1 | 33 | 9 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 47 |
| 16:00 | 0 | 38 | 14 | 0 | 2 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 56 |
| 17:00 | 0 | 41 | 10 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 53 |
| 18:00 | 0 | 38 | 5 | 0 | 4 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 49 |
| 19:00 | 0 | 18 | 4 | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 25 |
| 20:00 | 0 | 19 | 5 | 0 | 2 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 27 |
| 21:00 | 0 | 12 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 |
| 22:00 | 0 | 3 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| 23:00 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| Total | 3 | 665 | 188 | 2 | 49 | 3 | 0 | 19 | 6 | 1 | 0 | 0 | 0 | 936 |
| Percent | 0.3\% | 71.0\% | 20.1\% | 0.2\% | 5.2\% | 0.3\% | 0.0\% | 2.0\% | 0.6\% | 0.1\% | 0.0\% | 0.0\% | 0.0\% |  |
| AM Peak | 03:00 | 07:00 | 07:00 | 09:00 | 07:00 | 09:00 |  | 09:00 | 04:00 |  |  |  |  | 07:00 |
| Vol. | 1 | 126 | 23 | 2 | 11 | 2 |  | 3 | 1 |  |  |  |  | 162 |
| PM Peak | 14:00 | 17:00 | 12:00 |  | 15:00 | 14:00 |  | 14:00 | 12:00 | 16:00 |  |  |  | 16:00 |
| Vol. | 1 | 41 | 16 |  | 4 | 1 |  | 2 | 1 | 1 |  |  |  | 56 |
| Grand Total | 6 | 1303 | 394 | 8 | 112 | 4 | 0 | 61 | 13 | 1 | 0 | 0 | 0 | 1902 |
| Percent | 0.3\% | 68.5\% | 20.7\% | 0.4\% | 5.9\% | 0.2\% | 0.0\% | 3.2\% | 0.7\% | 0.1\% | 0.0\% | 0.0\% | 0.0\% |  |

Site Code: 15
Station ID:
KIOWA-BENNETT RD S/O 6TH AVE

| SB |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Start <br> Time | Bikes | Cars \& Trailers | 2 Axle Long | Buses | 2 Axle 6 Tire | 3 Axle Single | 4 Axle Single | $<5 \mathrm{AxI}$ Double | 5 Axle Double | $>6$ Axl Double | $\begin{array}{r} <6 \mathrm{AxI} \\ \text { Multi } \end{array}$ | 6 Axle Multi | $\begin{array}{r} >6 \mathrm{AxI} \\ \text { Multi } \end{array}$ | Total |
| 09/11/12 | 0 | 4 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 |
| 01:00 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 02:00 | 0 | 2 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 03:00 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 04:00 | 0 | 3 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 6 |
| 05:00 | 0 | 7 | 3 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 |
| 06:00 | 1 | 17 | 7 | 6 | 7 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 41 |
| 07:00 | 0 | 11 | 12 | 1 | 6 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 31 |
| 08:00 | 0 | 28 | 15 | 1 | 3 | 2 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 52 |
| 09:00 | 0 | 14 | 10 | 0 | 9 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 36 |
| 10:00 | 0 | 13 | 11 | 2 | 9 | 0 | 0 | 1 | 4 | 0 | 0 | 0 | 0 | 40 |
| 11:00 | 0 | 18 | 15 | 0 | 9 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 43 |
| 12 PM | 1 | 21 | 14 | 0 | 3 | 1 | 0 | 3 | 2 | 0 | 0 | 0 | 0 | 45 |
| 13:00 | 0 | 22 | 14 | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 41 |
| 14:00 | 1 | 23 | 9 | 0 | 9 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 45 |
| 15:00 | 1 | 47 | 31 | 1 | 6 | 1 | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 91 |
| 16:00 | 1 | 54 | 32 | 1 | 13 | 0 | 0 | 4 | 3 | 0 | 0 | 0 | 0 | 108 |
| 17:00 | 2 | 62 | 27 | 3 | 11 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 108 |
| 18:00 | 0 | 73 | 20 | 0 | 6 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 101 |
| 19:00 | 0 | 55 | 23 | 1 | 10 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 91 |
| 20:00 | 0 | 31 | 15 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 49 |
| 21:00 | 0 | 23 | 8 | 1 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 37 |
| 22:00 | 0 | 11 | 2 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15 |
| 23:00 | 0 | 4 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 |
| Total | 7 | 545 | 273 | 19 | 116 | 8 | 0 | 19 | 22 | 1 | 0 | 0 | 0 | 1010 |
| Percent | 0.7\% | 54.0\% | 27.0\% | 1.9\% | 11.5\% | 0.8\% | 0.0\% | 1.9\% | 2.2\% | 0.1\% | 0.0\% | 0.0\% | 0.0\% |  |
| AM Peak | 06:00 | 08:00 | 08:00 | 06:00 | 09:00 | 08:00 |  | 08:00 | 10:00 | 07:00 |  |  |  | 08:00 |
| Vol. | 1 | 28 | 15 | 6 | 9 | 2 |  | 2 | 4 | 1 |  |  |  | 52 |
| PM Peak | 17:00 | 18:00 | 16:00 | 17:00 | 16:00 | 12:00 |  | 16:00 | 16:00 |  |  |  |  | 16:00 |
| Vol. | 2 | 73 | 32 | 3 | 13 | 1 |  | 4 | 3 |  |  |  |  | 108 |

Site Code: 15
Station ID:
KIOWA-BENNETT RD S/O 6TH AVE


Site Code: 1
Station ID:
EB OFF RAMPS (304) W/O CONVERSE RD
EB

| EB |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Start <br> Time | Bikes | Cars \& Trailers | 2 Axle Long | Buses | 2 Axle 6 Tire | 3 Axle Single | 4 Axle Single | $<5 \mathrm{AxI}$ <br> Double | 5 Axle Double | $>6$ AxI Double | <6 AxI | 6 Axle Multi | $>6 \text { AxI }$ | Total |
| 09/11/12 | 1 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 11 |
| 01:00 | 0 | 9 | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 12 |
| 02:00 | 0 | 3 | 2 | 0 | 2 | 0 | 0 | 0 | 6 | 0 | 0 | 0 | 0 | 13 |
| 03:00 | 0 | 3 | 3 | 0 | 1 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 9 |
| 04:00 | 0 | 5 | 3 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 10 |
| 05:00 | 0 | 14 | 10 | 0 | 2 | 1 | 0 | 0 | 3 | 0 | 1 | 1 | 0 | 32 |
| 06:00 | 0 | 27 | 9 | 1 | 6 | 11 | 0 | 1 | 5 | 0 | 0 | 0 | 0 | 60 |
| 07:00 | 0 | 95 | 20 | 1 | 6 | 0 | 0 | 2 | 9 | 0 | 1 | 1 | 0 | 135 |
| 08:00 | 1 | 67 | 19 | 0 | 6 | 2 | 0 | 2 | 11 | 0 | 0 | 2 | 0 | 110 |
| 09:00 | 1 | 61 | 15 | 0 | 3 | 1 | 0 | 0 | 25 | 0 | 0 | 1 | 0 | 107 |
| 10:00 | 2 | 65 | 14 | 0 | 8 | 1 | 0 | 2 | 26 | 0 | 0 | 0 | 0 | 118 |
| 11:00 | 0 | 69 | 35 | 1 | 4 | 5 | 0 | 3 | 29 | 2 | 0 | 0 | 0 | 148 |
| 12 PM | 0 | 71 | 19 | 2 | 3 | 0 | 0 | 5 | 17 | 0 | 0 | 0 | 0 | 117 |
| 13:00 | 3 | 71 | 20 | 2 | 5 | 0 | 0 | 2 | 17 | 0 | 0 | 0 | 0 | 120 |
| 14:00 | 1 | 92 | 30 | 1 | 9 | 0 | 0 | 2 | 15 | 1 | 0 | 0 | 1 | 152 |
| 15:00 | 3 | 144 | 26 | 2 | 10 | 1 | 0 | 7 | 15 | 0 | 0 | 0 | 0 | 208 |
| 16:00 | 3 | 215 | 53 | 1 | 9 | 5 | 0 | 2 | 18 | 1 | 0 | 1 | 1 | 309 |
| 17:00 | 2 | 200 | 43 | 1 | 15 | 1 | 0 | 2 | 11 | 2 | 0 | 0 | 0 | 277 |
| 18:00 | 1 | 154 | 38 | 0 | 6 | 1 | 0 | 3 | 10 | 0 | 0 | 0 | 0 | 213 |
| 19:00 | 1 | 118 | 22 | 0 | 4 | 1 | 0 | 2 | 24 | 0 | 0 | 1 | 0 | 173 |
| 20:00 | 1 | 58 | 17 | 0 | 9 | 0 | 0 | 2 | 10 | 0 | 0 | 0 | 0 | 97 |
| 21:00 | 0 | 45 | 19 | 0 | 4 | 0 | 0 | 0 | 16 | 0 | 1 | 0 | 0 | 85 |
| 22:00 | 3 | 30 | 9 | 0 | 4 | 1 | 0 | 0 | 9 | 0 | 0 | 1 | 0 | 57 |
| 23:00 | 0 | 14 | 3 | 0 | 1 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 20 |
| Total | 23 | 1637 | 429 | 12 | 117 | 32 | 0 | 37 | 286 | 6 | 3 | 8 | 3 | 2593 |
| Percent | 0.9\% | 63.1\% | 16.5\% | 0.5\% | 4.5\% | 1.2\% | 0.0\% | 1.4\% | 11.0\% | 0.2\% | 0.1\% | 0.3\% | 0.1\% |  |
| AM Peak | 10:00 | 07:00 | 11:00 | 06:00 | 10:00 | 06:00 |  | 11:00 | 11:00 | 11:00 | 05:00 | 08:00 | 04:00 | 11:00 |
| Vol. | 2 | 95 | 35 | 1 | 8 | 11 |  | 3 | 29 | 2 | 1 | 2 | 1 | 148 |
| PM Peak | 13:00 | 16:00 | 16:00 | 12:00 | 17:00 | 16:00 |  | 15:00 | 19:00 | 17:00 | 21:00 | 16:00 | 14:00 | 16:00 |
| Vol. | 3 | 215 | 53 | 2 | 15 | 5 |  | 7 | 24 | 2 | 1 | 1 | 1 | 309 |

Site Code: 1
Station ID:
EB OFF RAMPS (304) W/O CONVERSE RD

| EB |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Cars \& | 2 Axle |  | 2 Axle | 3 Axle | 4 Axle | $<5 \mathrm{AxI}$ | 5 Axle | $>6 \mathrm{AxI}$ | <6 AxI | 6 Axle | >6 AxI |  |
| Time | Bikes | Trailers | Long | Buses | 6 Tire | Single | Single | Double | Double | Double | Multi | Multi | Multi | Total |
| 09/12/12 | 0 | 11 | 2 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 16 |
| 01:00 | 0 | 5 | 1 | 0 | 1 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 9 |
| 02:00 | 0 | 4 | 2 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 1 | 0 | 10 |
| 03:00 | 0 | 8 | 5 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 16 |
| 04:00 | 0 | 6 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 9 |
| 05:00 | 1 | 10 | 9 | 0 | 0 | 2 | 0 | 0 | 2 | 0 | 1 | 1 | 0 | 26 |
| 06:00 | 0 | 38 | 5 | 1 | 2 | 1 | 0 | 0 | 15 | 0 | 0 | 0 | 0 | 62 |
| 07:00 | 0 | 93 | 13 | 0 | 5 | 1 | 0 | 1 | 17 | 0 | 0 | 0 | 0 | 130 |
| 08:00 | 0 | 60 | 22 | 0 | 5 | 1 | 0 | 0 | 7 | 0 | 0 | 0 | 0 | 95 |
| 09:00 | 1 | 56 | 12 | 0 | 4 | 1 | 0 | 1 | 15 | 1 | 0 | 1 | 0 | 92 |
| 10:00 | 2 | 72 | 21 | 0 | 5 | 0 | 0 | 5 | 23 | 0 | 0 | 0 | 0 | 128 |
| 11:00 | 2 | 70 | 17 | 0 | 4 | 1 | 0 | 2 | 25 | 0 | 0 | 1 | 0 | 122 |
| 12 PM | 2 | 74 | 24 | 2 | 6 | 2 | 0 | 2 | 26 | 1 | 1 | 0 | 0 | 140 |
| 13:00 | 1 | 87 | 27 | 1 | 7 | 0 | 0 | 4 | 20 | 0 | 0 | 0 | 1 | 148 |
| 14:00 | 1 | 84 | 21 | 0 | 7 | 1 | 0 | 1 | 19 | 0 | 0 | 1 | 0 | 135 |
| 15:00 | 2 | 140 | 42 | 0 | 8 | 2 | 0 | 2 | 25 | 0 | 0 | 1 | 0 | 222 |
| 16:00 | 1 | 192 | 44 | 0 | 8 | 1 | 0 | 5 | 26 | 1 | 1 | 1 | 1 | 281 |
| 17:00 | 2 | 217 | 54 | 0 | 20 | 1 | 0 | 1 | 14 | 1 | 0 | 1 | 1 | 312 |
| 18:00 | 0 | 176 | 33 | 0 | 10 | 1 | 0 | 0 | 11 | 0 | 0 | 0 | 0 | 231 |
| 19:00 | 1 | 81 | 11 | 0 | 3 | 0 | 0 | 2 | 12 | 0 | 0 | 1 | 0 | 111 |
| 20:00 | 0 | 56 | 15 | 0 | 5 | 0 | 0 | 0 | 9 | 0 | 0 | 0 | 1 | 86 |
| 21:00 | 0 | 41 | 7 | 0 | 3 | 0 | 0 | 0 | 10 | 0 | 0 | 0 | 0 | 61 |
| 22:00 | 1 | 32 | 7 | 1 | 2 | 0 | 0 | 0 | 11 | 0 | 0 | 0 | 0 | 54 |
| 23:00 | 0 | 26 | 8 | 0 | 0 | 0 | 0 | 0 | 8 | 0 | 0 | 0 | 0 | 42 |
| Total | 17 | 1639 | 403 | 5 | 105 | 16 | 0 | 26 | 306 | 4 | 3 | 9 | 5 | 2538 |
| Percent | 0.7\% | 64.6\% | 15.9\% | 0.2\% | 4.1\% | 0.6\% | 0.0\% | 1.0\% | 12.1\% | 0.2\% | 0.1\% | 0.4\% | 0.2\% |  |
| AM Peak | 10:00 |  | 08:00 | 06:00 | 07:00 | 05:00 |  | 10:00 | 11:00 | 09:00 | 05:00 | 02:00 | 04:00 | 07:00 |
| Vol. | 2 | 93 | 22 | 1 | 5 | 2 |  | 5 | 25 | 1 | 1 | 1 | 1 | 130 |
| PM Peak | 12:00 | 17:00 | 17:00 | 12:00 | 17:00 | 12:00 |  | 16:00 | 12:00 | 12:00 | 12:00 | 14:00 | 13:00 | 17:00 |
| Vol. | 2 | 217 | 54 | 2 | 20 | 2 |  | 5 | 26 | 1 | 1 | 1 | 1 | 312 |
| Grand Total | 40 | 3276 | 832 | 17 | 222 | 48 | 0 | 63 | 592 | 10 | 6 | 17 | 8 | 5131 |
| Percent | 0.8\% | 63.8\% | 16.2\% | 0.3\% | 4.3\% | 0.9\% | 0.0\% | 1.2\% | 11.5\% | 0.2\% | 0.1\% | 0.3\% | 0.2\% |  |


| Start |  | Cars \& | 2 Axle |  | $2 \text { AxIe }$ | $3 \text { Axle }$ | 4 Axle | $<5 \mathrm{AxI}$ | 5 Axle | $>6 \mathrm{AxI}$ | $<6 \mathrm{AxI}$ | $6 \text { Axle }$ | $>6 \mathrm{AxI}$ |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Time | Bikes | Trailers | Long | Buses |  |  | Single | Double | Double | Double |  |  | Multi | Total |
| 09/11/12 | 0 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| 01:00 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| 02:00 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 03:00 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 04:00 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 05:00 | 0 | 6 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 |
| 06:00 | 0 | 9 | 3 | 1 | 1 | 9 | 0 | 0 | 3 | 1 | 0 | 0 | 0 | 27 |
| 07:00 | 1 | 25 | 12 | 0 | 8 | 2 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 50 |
| 08:00 | 0 | 25 | 13 | 1 | 4 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 44 |
| 09:00 | 0 | 15 | 18 | 2 | 5 | 2 | 0 | 1 | 3 | 0 | 0 | 0 | 0 | 46 |
| 10:00 | 0 | 30 | 16 | 1 | 5 | 7 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 62 |
| 11:00 | 2 | 21 | 18 | 3 | 4 | 16 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 67 |
| 12 PM | 1 | 32 | 20 | 1 | 7 | 1 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 65 |
| 13:00 | 3 | 29 | 13 | 2 | 6 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 56 |
| 14:00 | 0 | 33 | 6 | 1 | 6 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 49 |
| 15:00 | 1 | 41 | 12 | 0 | 5 | 0 | 0 | 4 | 3 | 0 | 0 | 0 | 0 | 66 |
| 16:00 | 2 | 45 | 25 | 0 | 11 | 0 | 0 | 3 | 3 | 0 | 0 | 0 | 0 | 89 |
| 17:00 | 3 | 55 | 23 | 1 | 6 | 1 | 0 | 2 | 3 | 0 | 0 | 0 | 0 | 94 |
| 18:00 | 1 | 57 | 18 | 3 | 7 | 0 | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 90 |
| 19:00 | 0 | 29 | 17 | 0 | 3 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 51 |
| 20:00 | 1 | 22 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 26 |
| 21:00 | 0 | 16 | 3 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 21 |
| 22:00 | 1 | 14 | 3 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19 |
| 23:00 | 0 | 1 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| Total | 17 | 513 | 231 | 18 | 82 | 39 | 0 | 20 | 28 | 1 | 0 | 0 | 0 | 949 |
| Percent | 1.8\% | 54.1\% | 24.3\% | 1.9\% | 8.6\% | 4.1\% | 0.0\% | 2.1\% | 3.0\% | 0.1\% | 0.0\% | 0.0\% | 0.0\% |  |
| AM Peak | 11:00 | 10:00 | 09:00 | 11:00 | 07:00 | 11:00 |  | 11:00 | 06:00 | 06:00 |  |  |  | 11:00 |
| Vol. | 2 | 30 | 18 | 3 | 8 | 16 |  | 2 | 3 | 1 |  |  |  | 67 |
| PM Peak | 13:00 | 18:00 | 16:00 | 18:00 | 16:00 | 12:00 |  | 15:00 | 15:00 |  |  |  |  | 17:00 |
| Vol. | 3 | 57 | 25 | 3 | 11 | 1 |  | 4 | 3 |  |  |  |  | 94 |


| EB |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Start |  | Cars \& | 2 Axle |  | 2 Axle | 3 Axle | 4 Axle | $<5 \mathrm{AxI}$ | 5 Axle | $>6 \mathrm{AxI}$ | <6 AxI | 6 Axle | >6 AxI |  |
| Time | Bikes | Trailers | Long | Buses | 6 Tire | Single | Single | Double | Double | Double | Multi | Multi | Multi | Total |
| 09/12/12 | 0 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| 01:00 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 02:00 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 4 |
| 03:00 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 04:00 | 0 | 3 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| 05:00 | 0 | 6 | 1 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 |
| 06:00 | 0 | 10 | 2 | 1 | 1 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 17 |
| 07:00 | 0 | 25 | 21 | 2 | 9 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 60 |
| 08:00 | 0 | 19 | 11 | 1 | 3 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 35 |
| 09:00 | 0 | 21 | 14 | 2 | 7 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 47 |
| 10:00 | 0 | 18 | 13 | 0 | 5 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 37 |
| 11:00 | 0 | 27 | 12 | 1 | 5 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 47 |
| 12 PM | 0 | 24 | 15 | 0 | 8 | 0 | 0 | 3 | 2 | 0 | 0 | 0 | 0 | 52 |
| 13:00 | 0 | 32 | 26 | 1 | 6 | 1 | 0 | 2 | 1 | 1 | 0 | 0 | 0 | 70 |
| 14:00 | 0 | 28 | 17 | 0 | 5 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 51 |
| 15:00 | 0 | 35 | 14 | 0 | 6 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 56 |
| 16:00 | 1 | 52 | 23 | 1 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 86 |
| 17:00 | 0 | 48 | 17 | 1 | 10 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 78 |
| 18:00 | 0 | 55 | 16 | 0 | 10 | 0 | 0 | 3 | 1 | 0 | 0 | 0 | 0 | 85 |
| 19:00 | 0 | 27 | 15 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 48 |
| 20:00 | 0 | 12 | 5 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 18 |
| 21:00 | 0 | 7 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 |
| 22:00 | 0 | 5 | 3 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 10 |
| 23:00 | 0 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 |
| Total | 1 | 463 | 234 | 11 | 95 | 3 | 0 | 17 | 12 | 1 | 0 | 0 | 0 | 837 |
| Percent | 0.1\% | 55.3\% | 28.0\% | 1.3\% | 11.4\% | 0.4\% | 0.0\% | 2.0\% | 1.4\% | 0.1\% | 0.0\% | 0.0\% | 0.0\% |  |
| AM Peak |  | 11:00 | 07:00 | 07:00 | 07:00 | 07:00 |  | 09:00 | 06:00 |  |  |  |  | 07:00 |
| Vol. |  | 27 | 21 | 2 | 9 | 2 |  | 2 | 3 |  |  |  |  | 60 |
| PM Peak | 16:00 | 18:00 | 13:00 | 13:00 | 17:00 | 13:00 |  | 12:00 | 12:00 | 13:00 |  |  |  | 16:00 |
| Vol. | 1 | 55 | 26 | 1 | 10 | 1 |  | 3 | 2 | 1 |  |  |  | 86 |
| Grand Total | 18 | 976 | 465 | 29 | 177 | 42 | 0 | 37 | 40 | 2 | 0 | 0 | 0 | 1786 |
| Percent | 1.0\% | 54.6\% | 26.0\% | 1.6\% | 9.9\% | 2.4\% | 0.0\% | 2.1\% | 2.2\% | 0.1\% | 0.0\% | 0.0\% | 0.0\% |  |

WB

| WB |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Start |  | Cars \& | 2 Axle |  | 2 Axle | 3 Axle | 4 Axle | <5 AxI | 5 Axle | $>6 \mathrm{AxI}$ | <6 AxI | 6 Axle | $>6$ AxI |  |
| Time | Bikes | Trailers | Long | Buses | 6 Tire | Single | Single | Double | Double | Double | Multi | Multi | Multi | Total |
| 09/11/12 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 5 |
| 01:00 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 02:00 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 2 |
| 03:00 | 2 | 4 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 |
| 04:00 | 0 | 5 | 0 | 0 | 1 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 9 |
| 05:00 | 0 | 20 | 2 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 27 |
| 06:00 | 0 | 38 | 10 | 0 | 2 | 1 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 55 |
| 07:00 | 1 | 83 | 26 | 0 | 9 | 0 | 0 | 1 | 6 | 1 | 0 | 0 | 0 | 127 |
| 08:00 | 2 | 56 | 23 | 0 | 5 | 14 | 0 | 2 | 4 | 0 | 0 | 0 | 0 | 106 |
| 09:00 | 1 | 40 | 16 | 1 | 5 | 1 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 67 |
| 10:00 | 0 | 38 | 18 | 0 | 6 | 10 | 0 | 3 | 5 | 0 | 0 | 0 | 0 | 80 |
| 11:00 | 3 | 49 | 26 | 1 | 11 | 7 | 0 | 0 | 11 | 0 | 0 | 0 | 0 | 108 |
| 12 PM | 1 | 42 | 15 | 1 | 3 | 2 | 0 | 6 | 4 | 0 | 0 | 0 | 0 | 74 |
| 13:00 | 2 | 43 | 19 | 1 | 6 | 0 | 0 | 1 | 3 | 0 | 0 | 0 | 0 | 75 |
| 14:00 | 2 | 50 | 13 | 0 | 5 | 1 | 0 | 3 | 8 | 0 | 0 | 0 | 0 | 82 |
| 15:00 | 2 | 65 | 21 | 1 | 11 | 4 | 0 | 1 | 5 | 0 | 0 | 0 | 0 | 110 |
| 16:00 | 3 | 62 | 20 | 2 | 6 | 0 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 97 |
| 17:00 | 0 | 76 | 24 | 1 | 7 | 1 | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 113 |
| 18:00 | 0 | 55 | 11 | 1 | 4 | 0 | 0 | 2 | 8 | 1 | 0 | 0 | 0 | 82 |
| 19:00 | 0 | 29 | 4 | 1 | 4 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 40 |
| 20:00 | 0 | 15 | 3 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 19 |
| 21:00 | 0 | 12 | 7 | 0 | 1 | 0 | 0 | 1 | 3 | 0 | 0 | 0 | 0 | 24 |
| 22:00 | 0 | 12 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 |
| 23:00 | 0 | 3 | 0 | 1 | 1 | 0 | 1 | 0 | 3 | 0 | 0 | 0 | 0 | 9 |
| Total | 19 | 803 | 260 | 12 | 87 | 41 | 2 | 26 | 80 | 3 | 0 | 0 | 0 | 1333 |
| Percent | 1.4\% | 60.2\% | 19.5\% | 0.9\% | 6.5\% | 3.1\% | 0.2\% | 2.0\% | 6.0\% | 0.2\% | 0.0\% | 0.0\% | 0.0\% |  |
| AM Peak | 11:00 | 07:00 | 07:00 | 03:00 | 11:00 | 08:00 |  | 10:00 | 11:00 | 07:00 |  |  |  | 07:00 |
| Vol. | 3 | 83 | 26 | 1 | 11 | 14 |  | 3 | 11 | 1 |  |  |  | 127 |
| PM Peak | 16:00 | 17:00 | 17:00 | 16:00 | 15:00 | 15:00 | 16:00 | 12:00 | 14:00 | 18:00 |  |  |  | 17:00 |
| Vol. | 3 | 76 | 24 | 2 | 11 | 4 | 1 | 6 | 8 | 1 |  |  |  | 113 |

WB

| Start |  | Cars \& | 2 Axle |  | 2 Axle | 3 Axle | 4 Axle | <5 AxI | 5 Axle | $>6 \mathrm{AxI}$ | <6 AxI | 6 Axle | $>6 \mathrm{AxI}$ |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Time | Bikes | Trailers | Long | Buses | 6 Tire | Single | Single | Double | Double | Double | Multi | Multi | Multi | Total |
| 09/12/12 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 01:00 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 02:00 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 03:00 | 1 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| 04:00 | 0 | 8 | 0 | 0 | 1 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 12 |
| 05:00 | 0 | 17 | 2 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 21 |
| 06:00 | 1 | 36 | 9 | 0 | 6 | 0 | 0 | 0 | 6 | 0 | 0 | 0 | 1 | 59 |
| 07:00 | 0 | 90 | 24 | 0 | 12 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 129 |
| 08:00 | 0 | 58 | 13 | 0 | 8 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 82 |
| 09:00 | 1 | 49 | 15 | 2 | 5 | 2 | 0 | 0 | 6 | 0 | 0 | 0 | 0 | 80 |
| 10:00 | 0 | 53 | 9 | 3 | 6 | 1 | 0 | 1 | 5 | 0 | 0 | 0 | 0 | 78 |
| 11:00 | 0 | 46 | 21 | 6 | 5 | 1 | 0 | 2 | 3 | 0 | 0 | 0 | 0 | 84 |
| 12 PM | 0 | 37 | 14 | 0 | 13 | 2 | 0 | 1 | 3 | 1 | 0 | 0 | 0 | 71 |
| 13:00 | 0 | 33 | 12 | 2 | 1 | 0 | 0 | 1 | 8 | 2 | 0 | 0 | 0 | 59 |
| 14:00 | 1 | 36 | 11 | 2 | 9 | 3 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 65 |
| 15:00 | 1 | 60 | 12 | 0 | 7 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 1 | 84 |
| 16:00 | 0 | 54 | 16 | 0 | 7 | 0 | 0 | 1 | 7 | 1 | 0 | 0 | 0 | 86 |
| 17:00 | 0 | 45 | 12 | 2 | 9 | 0 | 0 | 1 | 9 | 0 | 0 | 0 | 0 | 78 |
| 18:00 | 0 | 44 | 13 | 1 | 8 | 0 | 0 | 1 | 9 | 0 | 0 | 0 | 0 | 76 |
| 19:00 | 0 | 28 | 7 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 38 |
| 20:00 | 0 | 25 | 5 | 0 | 1 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 34 |
| 21:00 | 0 | 11 | 4 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17 |
| 22:00 | 0 | 5 | 0 | 0 | 2 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 8 |
| 23:00 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 5 |
| Total | 5 | 742 | 202 | 19 | 105 | 9 | 0 | 15 | 72 | 4 | 0 | 0 | 3 | 1176 |
| Percent | 0.4\% | 63.1\% | 17.2\% | 1.6\% | 8.9\% | 0.8\% | 0.0\% | 1.3\% | 6.1\% | 0.3\% | 0.0\% | 0.0\% | 0.3\% |  |
| AM Peak | 03:00 | 07:00 | 07:00 | 11:00 | 07:00 | 09:00 |  | 08:00 | 06:00 |  |  |  | 06:00 | 07:00 |
| Vol. | 1 | 90 | 24 | 6 | 12 | 2 |  | 2 | 6 |  |  |  | 1 | 129 |
| PM Peak | $14: 00$ | 15:00 | 16:00 | $13: 00$ | $12: 00$ | $14: 00$ |  | $14: 00$ | 17:00 | 13:00 |  |  | 15:00 | 16:00 |
| Vol. | 1 | 60 | 16 | 2 | 13 | 3 |  | 2 | 9 | 2 |  |  | 1 | 86 |
| Grand Total | 24 | 1545 | 462 | 31 | 192 | 50 | 2 | 41 | 152 | 7 | 0 | 0 | 3 | 2509 |
| Percent | 1.0\% | 61.6\% | 18.4\% | 1.2\% | 7.7\% | 2.0\% | 0.1\% | 1.6\% | 6.1\% | 0.3\% | 0.0\% | 0.0\% | 0.1\% |  |


| NB |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Start <br> Time | Bikes | Cars \& Trailers | 2 Axle Long | Buses | 2 Axle 6 Tire | 3 Axle Single | 4 Axle Single | $<5 \mathrm{AxI}$ Double | 5 Axle Double | $>6$ AxI Double | $\begin{array}{r} \text { <6 AxI } \\ \text { Multi } \end{array}$ | 6 Axle Multi | $\begin{array}{r} >6 \mathrm{AxI} \\ \text { Multi } \end{array}$ | Total |
| 09/11/12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| 01:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| 02:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| 03:00 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 04:00 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 4 |
| 05:00 | 1 | 3 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 8 |
| 06:00 | 2 | 4 | 2 | 0 | 2 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 |
| 07:00 | 1 | 11 | 4 | 0 | 2 | 1 | 0 | 1 | 5 | 1 | 0 | 0 | 0 | 26 |
| 08:00 | 0 | 9 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 12 |
| 09:00 | 2 | 12 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 20 |
| 10:00 | 0 | 5 | 3 | 0 | 1 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 11 |
| 11:00 | 1 | 8 | 4 | 2 | 4 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 22 |
| 12 PM | 0 | 6 | 1 | 1 | 4 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 15 |
| 13:00 | 1 | 9 | 5 | 2 | 3 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 22 |
| 14:00 | 0 | 10 | 4 | 2 | 1 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 20 |
| 15:00 | 0 | 6 | 0 | 1 | 3 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 12 |
| 16:00 | 2 | 12 | 2 | 2 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 20 |
| 17:00 | 2 | 13 | 2 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 19 |
| 18:00 | 5 | 13 | 4 | 4 | 0 | 2 | 0 | 1 | 3 | 0 | 0 | 0 | 0 | 32 |
| 19:00 | 1 | 6 | 2 | 0 | 0 | 1 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 12 |
| 20:00 | 0 | 3 | 1 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 |
| 21:00 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 5 |
| 22:00 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 23:00 | 1 | 6 | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 10 |
| Total | 19 | 138 | 39 | 17 | 27 | 10 | 1 | 7 | 37 | 1 | 0 | 0 | 1 | 297 |
| Percent | 6.4\% | 46.5\% | 13.1\% | 5.7\% | 9.1\% | 3.4\% | 0.3\% | 2.4\% | 12.5\% | 0.3\% | 0.0\% | 0.0\% | 0.3\% |  |
| AM Peak | 06:00 | 09:00 | 07:00 | 11:00 | 11:00 | 06:00 | 09:00 | 00:00 | 07:00 | 07:00 |  |  | 05:00 | 07:00 |
| Vol. | 2 | 12 | 4 | 2 | 4 | 3 | 1 | 1 | 5 | 1 |  |  | 1 | 26 |
| PM Peak | 18:00 | 17:00 | 13:00 | 18:00 | 12:00 | 18:00 |  | 12:00 | 14:00 |  |  |  |  | 18:00 |
| Vol. | 5 | 13 | 5 | 4 | 4 | 2 |  | 1 | 3 |  |  |  |  | 32 |


| NB |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Start Time | Bikes | Cars \& Trailers | 2 Axle Long | Buses | 2 Axle 6 Tire | 3 Axle Single | 4 Axle Single | <5 AxI Double | 5 Axle Double | $>6$ Axl Double | $\begin{array}{r} <6 \mathrm{AxI} \\ \text { Multi } \end{array}$ | 6 Axle Multi | $\begin{array}{r} >6 \text { AxI } \\ \text { Multi } \end{array}$ | Total |
| 09/12/12 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 4 |
| 01:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 02:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| 03:00 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 04:00 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 4 |
| 05:00 | 0 | 3 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| 06:00 | 2 | 7 | 1 | 0 | 1 | 3 | 0 | 0 | 2 | 0 | 0 | 0 | 1 | 17 |
| 07:00 | 1 | 16 | 4 | 0 | 3 | 3 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 28 |
| 08:00 | 0 | 12 | 1 | 0 | 2 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 16 |
| 09:00 | 1 | 7 | 4 | 0 | 1 | 1 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 18 |
| 10:00 | 3 | 9 | 4 | 2 | 1 | 2 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 23 |
| 11:00 | 1 | 8 | 1 | 3 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 15 |
| 12 PM | 0 | 6 | 5 | 0 | 1 | 0 | 0 | 1 | 2 | 1 | 0 | 0 | 0 | 16 |
| 13:00 | 2 | 4 | 2 | 3 | 1 | 1 | 0 | 0 | 9 | 2 | 0 | 0 | 0 | 24 |
| 14:00 | 1 | 5 | 3 | 2 | 1 | 0 | 0 | 1 | 3 | 0 | 0 | 0 | 0 | 16 |
| 15:00 | 0 | 3 | 8 | 0 | 2 | 0 | 0 | 1 | 3 | 0 | 0 | 0 | 0 | 17 |
| 16:00 | 1 | 5 | 3 | 0 | 1 | 1 | 0 | 1 | 6 | 0 | 0 | 0 | 0 | 18 |
| 17:00 | 5 | 9 | 3 | 4 | 2 | 2 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 27 |
| 18:00 | 4 | 8 | 2 | 2 | 3 | 2 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 25 |
| 19:00 | 0 | 4 | 4 | 0 | 3 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 13 |
| 20:00 | 0 | 5 | 2 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 10 |
| 21:00 | 0 | 3 | 2 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 |
| 22:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| 23:00 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 3 |
| Total | 22 | 116 | 49 | 20 | 27 | 16 | 0 | 6 | 48 | 3 | 1 | 0 | 1 | 309 |
| Percent | 7.1\% | 37.5\% | 15.9\% | 6.5\% | 8.7\% | 5.2\% | 0.0\% | 1.9\% | 15.5\% | 1.0\% | 0.3\% | 0.0\% | 0.3\% |  |
| AM Peak | 10:00 | 07:00 | 07:00 | 11:00 | 07:00 | 06:00 |  | 00:00 | 09:00 |  |  |  | 06:00 | 07:00 |
| Vol. | 3 | 16 | 4 | 3 | 3 | 3 |  | 1 | 4 |  |  |  | 1 | 28 |
| PM Peak | 17:00 | 17:00 | 15:00 | 17:00 | 18:00 | 17:00 |  | 12:00 | 13:00 | 13:00 | 19:00 |  |  | 17:00 |
| Vol. | 5 | 9 | 8 | 4 | 3 | 2 |  | 1 | 9 | 2 | 1 |  |  | 27 |
| Grand Total | 41 | 254 | 88 | 37 | 54 | 26 | 1 | 13 | 85 | 4 | 1 | 0 | 2 | 606 |
| Percent | 6.8\% | 41.9\% | 14.5\% | 6.1\% | 8.9\% | 4.3\% | 0.2\% | 2.1\% | 14.0\% | 0.7\% | 0.2\% | 0.0\% | 0.3\% |  |


| EB |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Start <br> Time | Bikes | Cars \& Trailers | 2 Axle Long | Buses | 2 Axle 6 Tire | 3 Axle Single | 4 Axle Single | $<5$ Axl Double | 5 Axle Double | $>6$ Axl Double | $\begin{array}{r} <6 \mathrm{AxI} \\ \text { Multi } \end{array}$ | 6 Axle Multi | $\begin{array}{r} >6 \mathrm{AxI} \\ \text { Multi } \end{array}$ | Total |
| 09/11/12 | 0 | 2 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| 01:00 | 0 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| 02:00 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 03:00 | 0 | 2 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| 04:00 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 05:00 | 0 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 5 |
| 06:00 | 0 | 13 | 3 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 17 |
| 07:00 | 1 | 20 | 8 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 32 |
| 08:00 | 0 | 10 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 |
| 09:00 | 0 | 11 | 11 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 24 |
| 10:00 | 1 | 18 | 11 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 32 |
| 11:00 | 0 | 7 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 |
| 12 PM | 0 | 14 | 8 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 25 |
| 13:00 | 0 | 27 | 8 | 0 | 2 | 1 | 0 | 2 | 2 | 1 | 0 | 0 | 0 | 43 |
| 14:00 | 0 | 42 | 13 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 57 |
| 15:00 | 0 | 39 | 11 | 1 | 3 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 56 |
| 16:00 | 0 | 60 | 15 | 0 | 3 | 0 | 0 | 1 | 3 | 0 | 0 | 0 | 0 | 82 |
| 17:00 | 0 | 85 | 21 | 0 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 111 |
| 18:00 | 0 | 65 | 22 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 93 |
| 19:00 | 0 | 39 | 8 | 0 | 7 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 56 |
| 20:00 | 0 | 25 | 6 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 34 |
| 21:00 | 0 | 22 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 24 |
| 22:00 | 0 | 6 | 5 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 |
| 23:00 | 0 | 8 | 2 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 |
| Total | 2 | 523 | 170 | 4 | 42 | 2 | 0 | 7 | 8 | 1 | 0 | 0 | 0 | 759 |
| Percent | 0.3\% | 68.9\% | 22.4\% | 0.5\% | 5.5\% | 0.3\% | 0.0\% | 0.9\% | 1.1\% | 0.1\% | 0.0\% | 0.0\% | 0.0\% |  |
| AM Peak | 07:00 | 07:00 | 09:00 | 07:00 | 07:00 |  |  |  | 05:00 |  |  |  |  | 07:00 |
| Vol. | 1 | 20 | 11 | 1 | 2 |  |  |  | 1 |  |  |  |  | 32 |
| PM Peak |  | 17:00 | 18:00 | 14:00 | 19:00 | 13:00 |  | 13:00 | 16:00 | 13:00 |  |  |  | 17:00 |
| Vol. |  | 85 | 22 | 1 | 7 | 1 |  | 2 | 3 | 1 |  |  |  | 111 |

Site Code: 13
Station ID:
EB OFF AND WB ON RAMP W/O US36
EB


WB

| WB |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Start |  | Cars \& | $2 \text { AxIe }$ |  | $2 \text { Axle }$ | 3 Axle | 4 Axle | $<5 \mathrm{AxI}$ | 5 Axle | $>6 \mathrm{AxI}$ | $<6 \mathrm{AxI}$ | 6 Axle | $>6 \mathrm{AxI}$ | Total |
| 09/11/12 | Bikes | Trailers | Long | Buses | 6 Tire | Single | Single | Double | Double | Double | Multi | Muti | M 0 | Total |
| 01:00 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 02:00 | 0 | 2 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| 03:00 | 0 | 4 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 7 |
| 04:00 | 0 | 11 | 12 | 2 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 33 |
| 05:00 | 0 | 57 | 31 | 1 | 21 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 112 |
| 06:00 | 0 | 99 | 58 | 2 | 48 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 210 |
| 07:00 | 0 | 78 | 62 | 3 | 24 | 1 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 171 |
| 08:00 | 1 | 42 | 49 | 3 | 25 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 121 |
| 09:00 | 0 | 46 | 29 | 3 | 18 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 97 |
| 10:00 | 1 | 33 | 20 | 2 | 13 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 70 |
| 11:00 | 1 | 20 | 29 | 2 | 5 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 60 |
| 12 PM | 0 | 27 | 27 | 1 | 14 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 72 |
| 13:00 | 1 | 18 | 18 | 0 | 12 | 0 | 0 | 4 | 1 | 0 | 0 | 0 | 0 | 54 |
| 14:00 | 1 | 22 | 28 | 1 | 13 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 68 |
| 15:00 | 0 | 20 | 22 | 1 | 12 | 1 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 59 |
| 16:00 | 0 | 23 | 34 | 0 | 9 | 1 | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 71 |
| 17:00 | 0 | 23 | 23 | 0 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 57 |
| 18:00 | 0 | 35 | 24 | 0 | 8 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 69 |
| 19:00 | 0 | 18 | 14 | 0 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 43 |
| 20:00 | 0 | 17 | 7 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 28 |
| 21:00 | 1 | 10 | 8 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 22 |
| 22:00 | 0 | 9 | 3 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 |
| 23:00 | 0 | 4 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 |
| Total | 6 | 621 | 510 | 22 | 261 | 6 | 0 | 20 | 12 | 1 | 0 | 0 | 0 | 1459 |
| Percent | 0.4\% | 42.6\% | 35.0\% | 1.5\% | 17.9\% | 0.4\% | 0.0\% | 1.4\% | 0.8\% | 0.1\% | 0.0\% | 0.0\% | 0.0\% |  |
| AM Peak | 08:00 | 06:00 | 07:00 | 07:00 | 06:00 | 05:00 |  | 11:00 | 00:00 | 06:00 |  |  |  | 06:00 |
| Vol. | 1 | 99 | 62 | 3 | 48 | 2 |  | 3 | 1 | 1 |  |  |  | 210 |
| PM Peak | 13:00 | 18:00 | 16:00 | 12:00 | 12:00 | 14:00 |  | 13:00 | 15:00 |  |  |  |  | 12:00 |
| Vol. | 1 | 35 | 34 | 1 | 14 | 1 |  | 4 | 3 |  |  |  |  | 72 |


| WB |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Start |  | Cars \& | 2 Axle |  | 2 Axle | 3 Axle | 4 Axle | <5 AxI | 5 Axle | $>6 \mathrm{AxI}$ | <6 AxI | 6 Axle | $>6 \mathrm{AxI}$ |  |
| Time | Bikes | Trailers | Long | Buses | 6 Tire | Single | Single | Double | Double | Double | Multi | Multi | Multi | Total |
| 09/12/12 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 2 |
| 01:00 | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| 02:00 | 1 | 0 | 1 | 0 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 |
| 03:00 | 0 | 3 | 7 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 12 |
| 04:00 | 0 | 15 | 10 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 28 |
| 05:00 | 0 | 53 | 28 | 0 | 31 | 1 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 116 |
| 06:00 | 0 | 88 | 56 | 1 | 37 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 184 |
| 07:00 | 1 | 92 | 59 | 0 | 36 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 190 |
| 08:00 | 0 | 53 | 48 | 0 | 18 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 120 |
| 09:00 | 0 | 30 | 24 | 2 | 14 | 3 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 76 |
| 10:00 | 0 | 16 | 25 | 2 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 54 |
| 11:00 | 0 | 24 | 25 | 0 | 12 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 63 |
| 12 PM | 0 | 29 | 27 | 1 | 17 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 77 |
| 13:00 | 0 | 14 | 19 | 0 | 11 | 1 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 48 |
| 14:00 | 0 | 24 | 11 | 2 | 12 | 0 | 0 | 2 | 1 | 1 | 0 | 0 | 0 | 53 |
| 15:00 | 0 | 30 | 19 | 0 | 7 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 58 |
| 16:00 | 0 | 24 | 19 | 1 | 14 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 59 |
| 17:00 | 0 | 30 | 34 | 0 | 5 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 70 |
| 18:00 | 0 | 24 | 31 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 65 |
| 19:00 | 0 | 12 | 14 | 0 | 5 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 34 |
| 20:00 | 0 | 16 | 9 | 1 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 31 |
| 21:00 | 0 | 9 | 6 | 1 | 3 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 20 |
| 22:00 | 0 | 1 | 4 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 |
| 23:00 | 0 | 6 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 |
| Total | 2 | 595 | 480 | 12 | 258 | 9 | 0 | 18 | 11 | 1 | 1 | 0 | 0 | 1387 |
| Percent | 0.1\% | 42.9\% | 34.6\% | 0.9\% | 18.6\% | 0.6\% | 0.0\% | 1.3\% | 0.8\% | 0.1\% | 0.1\% | 0.0\% | 0.0\% |  |
| AM Peak | 02:00 | 07:00 | 07:00 | 09:00 | 06:00 | 09:00 |  | 05:00 | 07:00 |  |  |  |  | 07:00 |
| Vol. | 1 | 92 | 59 | 2 | 37 | 3 |  | 3 | 2 |  |  |  |  | 190 |
| PM Peak |  | 15:00 | 17:00 | 14:00 | 12:00 | 12:00 |  | 13:00 | 13:00 | 14:00 | 19:00 |  |  | 12:00 |
| Vol. |  | 30 | 34 | 2 | 17 | 2 |  | 2 | 1 | 1 | 1 |  |  | 77 |
| Grand Total | 8 | 1216 | 990 | 34 | 519 | 15 | 0 | 38 | 23 | 2 | 1 | 0 | 0 | 2846 |
| Percent | 0.3\% | 42.7\% | 34.8\% | 1.2\% | 18.2\% | 0.5\% | 0.0\% | 1.3\% | 0.8\% | 0.1\% | 0.0\% | 0.0\% | 0.0\% |  |


| EB |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Start |  | Cars \& | 2 Axle |  | 2 Axle | 3 Axle | 4 Axle | <5 AxI | 5 Axle | >6 AxI | <6 AxI | 6 Axle | >6 AxI |  |
| Time | Bikes | Trailers | Long | Buses | 6 Tire | Single | Single | Double | Double | Double | Multi | Multi | Multi | Total |
| 09/11/12 | 0 | 6 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 |
| 01:00 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 02:00 | 1 | 2 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| 03:00 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 04:00 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 05:00 | 0 | 3 | 2 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 7 |
| 06:00 | 6 | 11 | 4 | 0 | 5 | 2 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 33 |
| 07:00 | 0 | 9 | 6 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 18 |
| 08:00 | 0 | 9 | 9 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 21 |
| 09:00 | 0 | 15 | 6 | 0 | 6 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 29 |
| 10:00 | 0 | 11 | 7 | 1 | 5 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 27 |
| 11:00 | 0 | 15 | 8 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 26 |
| 12 PM | 0 | 12 | 5 | 0 | 1 | 1 | 0 | 3 | 2 | 0 | 0 | 0 | 0 | 24 |
| 13:00 | 1 | 14 | 6 | 0 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 25 |
| 14:00 | 1 | 20 | 7 | 0 | 8 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 37 |
| 15:00 | 0 | 47 | 12 | 0 | 2 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 64 |
| 16:00 | 0 | 43 | 18 | 0 | 11 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 74 |
| 17:00 | 2 | 65 | 9 | 0 | 10 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 88 |
| 18:00 | 0 | 64 | 10 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 80 |
| 19:00 | 0 | 49 | 14 | 1 | 3 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 69 |
| 20:00 | 0 | 33 | 8 | 0 | 3 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 45 |
| 21:00 | 0 | 21 | 7 | 0 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 35 |
| 22:00 | 0 | 12 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15 |
| 23:00 | 0 | 6 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 |
| Total | 11 | 471 | 144 | 2 | 83 | 9 | 0 | 9 | 15 | 0 | 0 | 0 | 0 | 744 |
| Percent | 1.5\% | 63.3\% | 19.4\% | 0.3\% | 11.2\% | 1.2\% | 0.0\% | 1.2\% | 2.0\% | 0.0\% | 0.0\% | 0.0\% | 0.0\% |  |
| AM Peak | 06:00 | 09:00 | 08:00 | 10:00 | 09:00 | 06:00 |  | 09:00 | 06:00 |  |  |  |  | 06:00 |
| Vol. | 6 | 15 | 9 | 1 | 6 | 2 |  | 1 | 5 |  |  |  |  | 33 |
| PM Peak | 17:00 | 17:00 | 16:00 | 19:00 | 16:00 | 12:00 |  | 12:00 | 12:00 |  |  |  |  | 17:00 |
| Vol. | 2 | 65 | 18 | 1 | 11 | 1 |  | 3 | 2 |  |  |  |  | 88 |

Site Code: 14 Station ID:
EB OFF RAMP 305 W/O KIOWA-BENNETT RD

| Start |  | Cars \& | 2 Axle |  | 2 Axle | 3 Axle | 4 Axle | $<5 \mathrm{AxI}$ | 5 Axle | $>6$ AxI | $<6$ AxI | 6 Axle | $>6 \mathrm{AxI}$ |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Time | Bikes | Trailers | Long | Buses | 6 Tire | Single | Single | Double | Double | Double | Multi | Multi | Multi | Total |
| 09/12/12 | 0 | 4 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| 01:00 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 02:00 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 03:00 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 04:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 05:00 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 4 |
| 06:00 | 0 | 9 | 3 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 14 |
| 07:00 | 0 | 12 | 2 | 0 | 3 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 19 |
| 08:00 | 0 | 12 | 5 | 0 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 23 |
| 09:00 | 0 | 13 | 4 | 0 | 6 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 25 |
| 10:00 | 0 | 12 | 3 | 0 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 18 |
| 11:00 | 0 | 21 | 7 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 30 |
| 12 PM | 0 | 15 | 9 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 30 |
| 13:00 | 0 | 9 | 3 | 0 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19 |
| 14:00 | 0 | 27 | 5 | 0 | 4 | 1 | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 41 |
| 15:00 | 0 | 34 | 9 | 0 | 5 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 49 |
| 16:00 | 0 | 54 | 9 | 0 | 5 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 69 |
| 17:00 | 0 | 66 | 17 | 0 | 10 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 95 |
| 18:00 | 0 | 60 | 13 | 0 | 6 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 81 |
| 19:00 | 0 | 43 | 8 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 57 |
| 20:00 | 0 | 23 | 2 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 28 |
| 21:00 | 0 | 20 | 4 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 27 |
| 22:00 | 0 | 12 | 4 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 18 |
| 23:00 | 0 | 10 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 12 |
| Total | 0 | 463 | 110 | 0 | 74 | 4 | 0 | 8 | 11 | 0 | 0 | 0 | 0 | 670 |
| Percent | 0.0\% | 69.1\% | 16.4\% | 0.0\% | 11.0\% | 0.6\% | 0.0\% | 1.2\% | 1.6\% | 0.0\% | 0.0\% | 0.0\% | 0.0\% |  |
| AM Peak |  | 11:00 | 11:00 |  | 09:00 | 07:00 |  | 05:00 | 06:00 |  |  |  |  | 11:00 |
| Vol. |  | 21 | 7 |  | 6 | 1 |  | 1 | 1 |  |  |  |  | 30 |
| PM Peak |  | 17:00 | 17:00 |  | 17:00 | 14:00 |  | 14:00 | 14:00 |  |  |  |  | 17:00 |
| Vol. |  | 66 | 17 |  | 10 | 1 |  | 2 | 2 |  |  |  |  | 95 |
| Grand Total | 11 | 934 | 254 | 2 | 157 | 13 | 0 | 17 | 26 | 0 | 0 | 0 | 0 | 1414 |
| Percent | 0.8\% | 66.1\% | 18.0\% | 0.1\% | 11.1\% | 0.9\% | 0.0\% | 1.2\% | 1.8\% | 0.0\% | 0.0\% | 0.0\% | 0.0\% |  |

Site Code: 16 Station ID: KIOWA-BENNETT RD S/O CR14

| Start |  | Cars \& | 2 Axle |  | 2 Axle | 3 Axle | 4 Axle | <5 AxI | 5 Axle | $>6 \mathrm{AxI}$ | <6 AxI | 6 Axle | $>6 \mathrm{AxI}$ |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Time | Bikes | Trailers | Long | Buses | 6 Tire | Single | Single | Double | Double | Double | Multi | Multi | Multi | Total |
| 09/11/12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 01:00 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 2 |
| 02:00 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 03:00 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 2 |
| 04:00 | 0 | 2 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| 05:00 | 0 | 23 | 6 | 0 | 3 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 35 |
| 06:00 | 0 | 42 | 11 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 59 |
| 07:00 | 0 | 41 | 14 | 0 | 7 | 1 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 66 |
| 08:00 | 0 | 32 | 11 | 0 | 8 | 0 | 0 | 4 | 2 | 0 | 0 | 0 | 0 | 57 |
| 09:00 | 0 | 17 | 12 | 0 | 4 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 35 |
| 10:00 | 0 | 19 | 7 | 0 | 1 | 0 | 0 | 3 | 3 | 0 | 0 | 0 | 0 | 33 |
| 11:00 | 1 | 13 | 13 | 0 | 4 | 0 | 0 | 3 | 5 | 0 | 0 | 0 | 0 | 39 |
| 12 PM | 0 | 18 | 6 | 1 | 0 | 0 | 0 | 3 | 4 | 0 | 0 | 0 | 0 | 32 |
| 13:00 | 1 | 9 | 6 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 20 |
| 14:00 | 0 | 17 | 3 | 0 | 4 | 0 | 0 | 1 | 3 | 0 | 0 | 0 | 0 | 28 |
| 15:00 | 0 | 15 | 9 | 0 | 5 | 1 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 33 |
| 16:00 | 0 | 26 | 11 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 40 |
| 17:00 | 0 | 32 | 17 | 1 | 11 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 63 |
| 18:00 | 0 | 27 | 9 | 0 | 2 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 40 |
| 19:00 | 0 | 20 | 8 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 31 |
| 20:00 | 0 | 12 | 2 | 0 | 4 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 19 |
| 21:00 | 0 | 5 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 |
| 22:00 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 23:00 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| Total | 2 | 376 | 150 | 4 | 66 | 3 | 0 | 20 | 31 | 1 | 0 | 0 | 0 | 653 |
| Percent | 0.3\% | 57.6\% | 23.0\% | 0.6\% | 10.1\% | 0.5\% | 0.0\% | 3.1\% | 4.7\% | 0.2\% | 0.0\% | 0.0\% | 0.0\% |  |
| AM Peak | 11:00 | 06:00 | 07:00 |  | 08:00 | 07:00 |  | 08:00 | 11:00 | 07:00 |  |  |  | 07:00 |
| Vol. | 1 | 42 | 14 |  | 8 | 1 |  | 4 | 5 | 1 |  |  |  | 66 |
| PM Peak | 13:00 | 17:00 | 17:00 | 12:00 | 17:00 | 15:00 |  | 12:00 | 12:00 |  |  |  |  | 17:00 |
| Vol. | 1 | 32 | 17 | 1 | 11 | 1 |  | 3 | 4 |  |  |  |  | 63 |


|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Start |  | Cars \& | 2 Axle |  | 2 Axle | 3 Axle | 4 Axle | <5 AxI | 5 Axle | >6 AxI | <6 AxI | 6 Axle | >6 AxI |  |
| Time | Bikes | Trailers | Long | Buses | 6 Tire | Single | Single | Double | Double | Double | Multi | Multi | Multi | Total |
| 09/12/12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 01:00 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 02:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 03:00 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 2 |
| 04:00 | 0 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 7 |
| 05:00 | 0 | 17 | 8 | 0 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 32 |
| 06:00 | 0 | 43 | 10 | 0 | 5 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 61 |
| 07:00 | 0 | 53 | 14 | 0 | 11 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 80 |
| 08:00 | 0 | 31 | 10 | 0 | 2 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 44 |
| 09:00 | 0 | 20 | 13 | 2 | 4 | 2 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 44 |
| 10:00 | 0 | 19 | 6 | 0 | 5 | 1 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 33 |
| 11:00 | 0 | 12 | 10 | 0 | 3 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 26 |
| 12 PM | 0 | 15 | 9 | 0 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 32 |
| 13:00 | 0 | 15 | 7 | 0 | 2 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 27 |
| 14:00 | 1 | 15 | 3 | 0 | 7 | 1 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 29 |
| 15:00 | 0 | 18 | 10 | 0 | 3 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 32 |
| 16:00 | 0 | 21 | 14 | 0 | 2 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 39 |
| 17:00 | 0 | 32 | 7 | 0 | 7 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 47 |
| 18:00 | 0 | 30 | 7 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 41 |
| 19:00 | 0 | 12 | 5 | 0 | 2 | 0 | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 23 |
| 20:00 | 0 | 12 | 3 | 0 | 4 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 20 |
| 21:00 | 0 | 9 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 |
| 22:00 | 0 | 4 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| 23:00 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Total | 1 | 385 | 137 | 2 | 79 | 6 | 0 | 6 | 19 | 1 | 0 | 0 | 0 | 636 |
| Percent | 0.2\% | 60.5\% | 21.5\% | 0.3\% | 12.4\% | 0.9\% | 0.0\% | 0.9\% | 3.0\% | 0.2\% | 0.0\% | 0.0\% | 0.0\% |  |
| AM Peak |  | 07:00 | 07:00 | 09:00 | 07:00 | 09:00 |  | 07:00 | 06:00 |  |  |  |  | 07:00 |
| Vol. |  | 53 | 14 | 2 | 11 | 2 |  | 1 | 3 |  |  |  |  | 80 |
| PM Peak | 14:00 | 17:00 | 16:00 |  | 12:00 | 13:00 |  | 19:00 | 14:00 | 16:00 |  |  |  | 17:00 |
| Vol. | 1 | 32 | 14 |  | 8 | 1 |  | 2 | 2 | 1 |  |  |  | 47 |
| Grand Total | 3 | 761 | 287 | 6 | 145 | 9 | 0 | 26 | 50 | 2 | 0 | 0 | 0 | 1289 |
| Percent | 0.2\% | 59.0\% | 22.3\% | 0.5\% | 11.2\% | 0.7\% | 0.0\% | 2.0\% | 3.9\% | 0.2\% | 0.0\% | 0.0\% | 0.0\% |  |


| Start <br> Time | Bikes |  <br> Trailers | 2 Axle Long | Buses | 2 Axle 6 Tire | 3 Axle Single | 4 Axle Single | <5 AxI Double | 5 Axle Double | >6 AxI Double | $<6 \mathrm{AxI}$ Multi | 6 Axle Multi | $\begin{array}{r} >6 \text { AxI } \\ \text { Multi } \end{array}$ | Total |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 09/11/12 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 01:00 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 02:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 03:00 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 04:00 | 0 | 2 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 5 |
| 05:00 | 0 | 3 | 3 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 |
| 06:00 | 1 | 20 | 4 | 0 | 10 | 0 | 0 | 1 | 6 | 0 | 0 | 0 | 0 | 42 |
| 07:00 | 0 | 19 | 10 | 1 | 4 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 36 |
| 08:00 | 0 | 23 | 6 | 1 | 3 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 35 |
| 09:00 | 0 | 13 | 11 | 0 | 3 | 1 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 31 |
| 10:00 | 0 | 4 | 7 | 1 | 9 | 0 | 0 | 1 | 3 | 0 | 0 | 0 | 0 | 25 |
| 11:00 | 0 | 13 | 7 | 0 | 6 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 29 |
| 12 PM | 1 | 13 | 10 | 0 | 5 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 32 |
| 13:00 | 0 | 15 | 9 | 0 | 0 | 1 | 0 | 1 | 4 | 0 | 0 | 0 | 0 | 30 |
| 14:00 | 1 | 16 | 7 | 0 | 7 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 34 |
| 15:00 | 0 | 26 | 18 | 0 | 3 | 1 | 0 | 2 | 3 | 0 | 0 | 0 | 0 | 53 |
| 16:00 | 1 | 37 | 18 | 0 | 10 | 0 | 0 | 2 | 4 | 0 | 0 | 0 | 0 | 72 |
| 17:00 | 1 | 38 | 15 | 1 | 12 | 1 | 0 | 4 | 2 | 0 | 0 | 0 | 0 | 74 |
| 18:00 | 0 | 45 | 12 | 0 | 4 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 62 |
| 19:00 | 0 | 28 | 16 | 0 | 10 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 55 |
| 20:00 | 0 | 18 | 3 | 1 | 3 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 26 |
| 21:00 | 0 | 14 | 2 | 1 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 21 |
| 22:00 | 0 | 11 | 4 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17 |
| 23:00 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| Total | 5 | 364 | 166 | 6 | 97 | 7 | 0 | 20 | 29 | 1 | 0 | 0 | 0 | 695 |
| Percent | 0.7\% | 52.4\% | 23.9\% | 0.9\% | 14.0\% | 1.0\% | 0.0\% | 2.9\% | 4.2\% | 0.1\% | 0.0\% | 0.0\% | 0.0\% |  |
| AM Peak | 06:00 | 08:00 | 09:00 | 07:00 | 06:00 | 08:00 |  | 11:00 | 06:00 | 07:00 |  |  |  | 06:00 |
| Vol. | 1 | 23 | 11 | 1 | 10 | 1 |  | 2 | 6 | 1 |  |  |  | 42 |
| PM Peak | 12:00 | 18:00 | 15:00 | 17:00 | 17:00 | 12:00 |  | 17:00 | 13:00 |  |  |  |  | 17:00 |
| Vol. | 1 | 45 | 18 | 1 | 12 | 1 |  | 4 | 4 |  |  |  |  | 74 |


| Start <br> Time | Bikes |  <br> Trailers | 2 Axle Long | Buses | 2 Axle 6 Tire | 3 Axle Single | 4 Axle Single | $<5 \mathrm{AxI}$ Double | 5 Axle Double | $>6 \mathrm{AxI}$ Double | <6 Axl | 6 Axle Multi | $\begin{gathered} >6 \text { AxI } \\ \text { Multi } \end{gathered}$ | Total |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 09/12/12 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 01:00 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 02:00 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 03:00 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 04:00 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 4 |
| 05:00 | 0 | 6 | 3 | 0 | 2 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 13 |
| 06:00 | 0 | 20 | 3 | 0 | 2 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 26 |
| 07:00 | 0 | 19 | 5 | 0 | 5 | 1 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 32 |
| 08:00 | 0 | 16 | 4 | 3 | 5 | 3 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 33 |
| 09:00 | 0 | 10 | 8 | 1 | 7 | 0 | 0 | 3 | 3 | 0 | 0 | 0 | 0 | 32 |
| 10:00 | 0 | 13 | 5 | 0 | 3 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 22 |
| 11:00 | 0 | 12 | 6 | 0 | 4 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 23 |
| 12 PM | 0 | 19 | 7 | 0 | 2 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 31 |
| 13:00 | 0 | 8 | 6 | 0 | 10 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 26 |
| 14:00 | 0 | 16 | 8 | 0 | 3 | 1 | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 32 |
| 15:00 | 0 | 27 | 9 | 0 | 11 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 48 |
| 16:00 | 0 | 24 | 12 | 0 | 8 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 46 |
| 17:00 | 1 | 53 | 18 | 0 | 8 | 0 | 0 | 1 | 4 | 0 | 0 | 0 | 0 | 85 |
| 18:00 | 0 | 35 | 12 | 0 | 5 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 53 |
| 19:00 | 0 | 31 | 11 | 0 | 8 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 51 |
| 20:00 | 0 | 7 | 7 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 18 |
| 21:00 | 0 | 15 | 5 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 22 |
| 22:00 | 0 | 8 | 6 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 16 |
| 23:00 | 0 | 6 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 9 |
| Total | 1 | 356 | 137 | 5 | 88 | 6 | 0 | 16 | 21 | 1 | 0 | 0 | 0 | 631 |
| Percent | 0.2\% | 56.4\% | 21.7\% | 0.8\% | 13.9\% | 1.0\% | 0.0\% | 2.5\% | 3.3\% | 0.2\% | 0.0\% | 0.0\% | 0.0\% |  |
| AM Peak |  | 06:00 | 09:00 | 08:00 | 09:00 | 08:00 |  | 09:00 | 09:00 |  |  |  |  | 08:00 |
| Vol. |  | 20 | 8 | 3 | 7 | 3 |  | 3 | 3 |  |  |  |  | 33 |
| PM Peak | 17:00 | 17:00 | 17:00 | 21:00 | 15:00 | 14:00 |  | 12:00 | 17:00 | 13:00 |  |  |  | 17:00 |
| Vol. | 1 | 53 | 18 | 1 | 11 | 1 |  | 2 | 4 | 1 |  |  |  | 85 |
| Grand Total | 6 | 720 | 303 | 11 | 185 | 13 | 0 | 36 | 50 | 2 | 0 | 0 | 0 | 1326 |
| Percent | 0.5\% | 54.3\% | 22.9\% | 0.8\% | 14.0\% | 1.0\% | 0.0\% | 2.7\% | 3.8\% | 0.2\% | 0.0\% | 0.0\% | 0.0\% |  |

Site Code: 2
Station ID:
EB ON RAMPS (304) E/O CONVERSE RD

| EB |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Start |  | Cars \& | 2 Axle |  | 2 Axle | 3 Axle | 4 Axle | <5 AxI | 5 Axle | $>6 \mathrm{AxI}$ | <6 AxI | 6 Axle | $>6 \mathrm{AxI}$ |  |
| Time | Bikes | Trailers | Long | Buses | 6 Tire | Single | Single | Double | Double | Double | Multi | Multi | Multi | Total |
| 09/11/12 | 0 | 12 | 1 | 0 | 0 | 4 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 19 |
| 01:00 | 0 | 14 | 2 | 0 | 0 | 1 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 20 |
| 02:00 | 0 | 5 | 2 | 0 | 0 | 1 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 11 |
| 03:00 | 0 | 3 | 1 | 0 | 2 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 8 |
| 04:00 | 0 | 3 | 3 | 0 | 1 | 0 | 0 | 1 | 4 | 0 | 0 | 0 | 0 | 12 |
| 05:00 | 0 | 11 | 7 | 0 | 7 | 2 | 0 | 0 | 4 | 0 | 2 | 0 | 1 | 34 |
| 06:00 | 0 | 28 | 10 | 0 | 8 | 2 | 0 | 1 | 9 | 0 | 0 | 0 | 0 | 58 |
| 07:00 | 0 | 62 | 20 | 2 | 9 | 4 | 0 | 1 | 10 | 0 | 0 | 1 | 0 | 109 |
| 08:00 | 1 | 47 | 22 | 0 | 11 | 4 | 0 | 1 | 12 | 0 | 0 | 1 | 0 | 99 |
| 09:00 | 0 | 58 | 16 | 3 | 14 | 4 | 0 | 4 | 13 | 0 | 0 | 1 | 0 | 113 |
| 10:00 | 0 | 65 | 31 | 1 | 14 | 5 | 0 | 1 | 20 | 0 | 0 | 0 | 0 | 137 |
| 11:00 | 3 | 68 | 32 | 1 | 13 | 9 | 0 | 3 | 14 | 1 | 0 | 0 | 0 | 144 |
| 12 PM | 0 | 75 | 29 | 1 | 11 | 8 | 0 | 5 | 19 | 0 | 0 | 0 | 0 | 148 |
| 13:00 | 1 | 77 | 35 | 0 | 10 | 3 | 0 | 3 | 14 | 0 | 0 | 0 | 0 | 143 |
| 14:00 | 0 | 76 | 29 | 2 | 12 | 2 | 1 | 1 | 11 | 0 | 0 | 0 | 1 | 135 |
| 15:00 | 2 | 102 | 21 | 0 | 21 | 9 | 0 | 5 | 7 | 0 | 0 | 0 | 0 | 167 |
| 16:00 | 2 | 132 | 54 | 0 | 13 | 9 | 0 | 2 | 10 | 1 | 0 | 1 | 1 | 225 |
| 17:00 | 2 | 146 | 39 | 0 | 18 | 8 | 0 | 1 | 6 | 0 | 0 | 0 | 0 | 220 |
| 18:00 | 0 | 126 | 35 | 0 | 23 | 3 | 0 | 1 | 9 | 0 | 0 | 0 | 0 | 197 |
| 19:00 | 0 | 87 | 22 | 0 | 11 | 2 | 0 | 3 | 9 | 0 | 0 | 1 | 0 | 135 |
| 20:00 | 0 | 66 | 29 | 0 | 10 | 3 | 0 | 2 | 11 | 0 | 0 | 0 | 0 | 121 |
| 21:00 | 0 | 57 | 16 | 0 | 13 | 3 | 0 | 1 | 12 | 0 | 1 | 0 | 0 | 103 |
| 22:00 | 0 | 37 | 7 | 0 | 4 | 3 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 56 |
| 23:00 | 0 | 19 | 2 | 0 | 3 | 2 | 0 | 0 | 4 | 0 | 0 | 1 | 0 | 31 |
| Total | 11 | 1376 | 465 | 10 | 228 | 91 | 1 | 37 | 212 | 2 | 3 | 6 | 3 | 2445 |
| Percent | 0.4\% | 56.3\% | 19.0\% | 0.4\% | 9.3\% | 3.7\% | 0.0\% | 1.5\% | 8.7\% | 0.1\% | 0.1\% | 0.2\% | 0.1\% |  |
| AM Peak | 11:00 | 11:00 | 11:00 | 09:00 | 09:00 | 11:00 |  | 09:00 | 10:00 | 11:00 | 05:00 | 07:00 | 05:00 | 11:00 |
| Vol. | 3 | 68 | 32 | 3 | 14 | 9 |  | 4 | 20 | 1 | 2 | 1 | 1 | 144 |
| PM Peak | 15:00 | 17:00 | 16:00 | 14:00 | 18:00 | 15:00 | 14:00 | 12:00 | 12:00 | 16:00 | 21:00 | 16:00 | 14:00 | 16:00 |
| Vol. | 2 | 146 | 54 | 2 | 23 | 9 | 1 | 5 | 19 | 1 | 1 | 1 | 1 | 225 |

Site Code: 2
Station ID:
EB ON RAMPS (304) E/O CONVERSE RD

| EB |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Start |  | Cars \& | 2 Axle |  | 2 Axle | 3 Axle | 4 Axle | <5 AxI | 5 Axle | $>6 \mathrm{AxI}$ | <6 AxI | 6 Axle | $>6 \mathrm{AxI}$ |  |
| Time | Bikes | Trailers | Long | Buses | 6 Tire | Single | Single | Double | Double | Double | Multi | Multi | Multi | Total |
| 09/12/12 | 0 | 9 | 1 | 0 | 0 | 1 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 13 |
| 01:00 | 0 | 9 | 2 | 0 | 0 | 1 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 14 |
| 02:00 | 0 | 5 | 2 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 10 |
| 03:00 | 0 | 3 | 4 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 9 |
| 04:00 | 0 | 8 | 4 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 14 |
| 05:00 | 0 | 10 | 5 | 1 | 5 | 1 | 0 | 1 | 3 | 0 | 1 | 1 | 0 | 28 |
| 06:00 | 0 | 30 | 9 | 2 | 11 | 3 | 0 | 1 | 9 | 0 | 0 | 0 | 0 | 65 |
| 07:00 | 0 | 67 | 23 | 1 | 9 | 4 | 0 | 1 | 10 | 0 | 0 | 1 | 0 | 116 |
| 08:00 | 1 | 51 | 24 | 0 | 12 | 4 | 0 | 1 | 12 | 0 | 0 | 1 | 0 | 106 |
| 09:00 | 0 | 64 | 16 | 0 | 15 | 4 | 0 | 4 | 14 | 0 | 0 | 1 | 0 | 118 |
| 10:00 | 0 | 71 | 34 | 1 | 15 | 5 | 0 | 1 | 22 | 0 | 0 | 0 | 0 | 149 |
| 11:00 | 3 | 73 | 36 | 0 | 14 | 9 | 0 | 3 | 14 | 1 | 0 | 0 | 0 | 153 |
| 12 PM | 0 | 81 | 32 | 6 | 12 | 8 | 0 | 5 | 21 | 0 | 0 | 0 | 0 | 165 |
| 13:00 | 1 | 84 | 39 | 0 | 11 | 3 | 0 | 3 | 14 | 0 | 0 | 0 | 0 | 155 |
| 14:00 | 0 | 84 | 32 | 2 | 12 | 2 | 1 | 1 | 12 | 0 | 0 | 0 | 1 | 147 |
| 15:00 | 2 | 111 | 23 | 3 | 23 | 9 | 0 | 5 | 8 | 0 | 0 | 0 | 0 | 184 |
| 16:00 | 1 | 119 | 44 | 0 | 13 | 6 | 0 | 6 | 18 | 0 | 0 | 0 | 0 | 207 |
| 17:00 | 2 | 161 | 51 | 0 | 24 | 8 | 0 | 6 | 11 | 0 | 0 | 0 | 0 | 263 |
| 18:00 | 0 | 147 | 48 | 0 | 18 | 2 | 0 | 0 | 11 | 0 | 0 | 0 | 0 | 226 |
| 19:00 | 1 | 108 | 37 | 0 | 11 | 5 | 0 | 3 | 9 | 1 | 0 | 0 | 0 | 175 |
| 20:00 | 0 | 71 | 25 | 0 | 12 | 1 | 0 | 0 | 6 | 0 | 0 | 0 | 0 | 115 |
| 21:00 | 0 | 44 | 8 | 0 | 8 | 2 | 0 | 2 | 6 | 0 | 0 | 0 | 0 | 70 |
| 22:00 | 0 | 38 | 9 | 0 | 2 | 2 | 0 | 1 | 8 | 0 | 0 | 0 | 0 | 60 |
| 23:00 | 0 | 14 | 3 | 0 | 2 | 1 | 0 | 0 | 2 | 0 | 0 | 1 | 1 | 24 |
| Total | 11 | 1462 | 511 | 16 | 229 | 82 | 1 | 44 | 218 | 2 | 1 | 6 | 3 | 2586 |
| Percent | 0.4\% | 56.5\% | 19.8\% | 0.6\% | 8.9\% | 3.2\% | 0.0\% | 1.7\% | 8.4\% | 0.1\% | 0.0\% | 0.2\% | 0.1\% |  |
| AM Peak | 11:00 | 11:00 | 11:00 | 06:00 | 09:00 | 11:00 |  | 09:00 | 10:00 | 11:00 | 05:00 | 03:00 | 04:00 | 11:00 |
| Vol. | 3 | 73 | 36 | 2 | 15 | 9 |  | 4 | 22 | 1 | 1 | 1 | 1 | 153 |
| PM Peak | 15:00 | 17:00 | 17:00 | 12:00 | 17:00 | 15:00 | 14:00 | 16:00 | 12:00 | 19:00 |  | 23:00 | 14:00 | 17:00 |
| Vol. | 2 | 161 | 51 | 6 | 24 | 9 | 1 | 6 | 21 | 1 |  | 1 | 1 | 263 |
| Grand Total | 22 | 2838 | 976 | 26 | 457 | 173 | 2 | 81 | 430 | 4 | 4 | 12 | 6 | 5031 |
| Percent | 0.4\% | 56.4\% | 19.4\% | 0.5\% | 9.1\% | 3.4\% | 0.0\% | 1.6\% | 8.5\% | 0.1\% | 0.1\% | 0.2\% | 0.1\% |  |


| WB |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Start |  | Cars \& | 2 Axle |  | 2 Axle | 3 Axle | 4 Axle | <5 AxI | 5 Axle | $>6$ AxI | <6 AxI | 6 Axle | >6 AxI |  |
| Time | Bikes | Trailers | Long | Buses | 6 Tire | Single | Single | Double | Double | Double | Multi | Multi | Multi | Total |
| 10/10/12 | 2 | 5 | 3 | 0 | 0 | 2 | 0 | 3 | 3 | 0 | 0 | 0 | 0 | 18 |
| 01:00 | 4 | 5 | 2 | 0 | 0 | 4 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 17 |
| 02:00 | 1 | 1 | 2 | 0 | 0 | 1 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 9 |
| 03:00 | 2 | 11 | 6 | 3 | 2 | 1 | 0 | 2 | 7 | 0 | 0 | 0 | 0 | 34 |
| 04:00 | 3 | 24 | 6 | 1 | 1 | 3 | 0 | 0 | 6 | 0 | 0 | 0 | 0 | 44 |
| 05:00 | 9 | 73 | 31 | 6 | 19 | 7 | 0 | 1 | 7 | 0 | 1 | 0 | 0 | 154 |
| 06:00 | 8 | 137 | 43 | 4 | 38 | 5 | 0 | 3 | 13 | 0 | 0 | 0 | 1 | 252 |
| 07:00 | 9 | 142 | 37 | 7 | 17 | 11 | 0 | 7 | 18 | 1 | 0 | 0 | 1 | 250 |
| 08:00 | 5 | 124 | 43 | 5 | 22 | 3 | 0 | 1 | 18 | 0 | 0 | 0 | 0 | 221 |
| 09:00 | 4 | 69 | 29 | 3 | 9 | 4 | 0 | 7 | 11 | 1 | 0 | 0 | 1 | 138 |
| 10:00 | 4 | 89 | 37 | 3 | 20 | 6 | 0 | 6 | 6 | 0 | 0 | 2 | 0 | 173 |
| 11:00 | 2 | 62 | 41 | 6 | 14 | 2 | 0 | 7 | 11 | 0 | 0 | 0 | 0 | 145 |
| 12 PM | 5 | 72 | 24 | 2 | 16 | 6 | 0 | 2 | 8 | 0 | 0 | 0 | 0 | 135 |
| 13:00 | 5 | 57 | 26 | 4 | 19 | 8 | 0 | 4 | 7 | 0 | 0 | 0 | 0 | 130 |
| 14:00 | 4 | 59 | 29 | 2 | 16 | 8 | 0 | 6 | 2 | 0 | 0 | 0 | 1 | 127 |
| 15:00 | 1 | 61 | 16 | 5 | 11 | 0 | 0 | 2 | 10 | 1 | 0 | 1 | 0 | 108 |
| 16:00 | 6 | 88 | 28 | 3 | 16 | 4 | 0 | 0 | 5 | 1 | 0 | 0 | 0 | 151 |
| 17:00 | 7 | 68 | 16 | 6 | 8 | 4 | 0 | 1 | 9 | 0 | 0 | 0 | 0 | 119 |
| 18:00 | 3 | 52 | 18 | 3 | 7 | 4 | 0 | 1 | 5 | 0 | 0 | 0 | 0 | 93 |
| 19:00 | 3 | 50 | 19 | 3 | 5 | 0 | 0 | 1 | 3 | 0 | 0 | 1 | 0 | 85 |
| 20:00 | 4 | 29 | 14 | 1 | 3 | 4 | 0 | 0 | 7 | 0 | 0 | 0 | 0 | 62 |
| 21:00 | 2 | 21 | 4 | 3 | 6 | 2 | 0 | 0 | 7 | 0 | 0 | 0 | 0 | 45 |
| 22:00 | 2 | 12 | 4 | 2 | 2 | 2 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 26 |
| 23:00 | 0 | 7 | 4 | 3 | 1 | 0 | 0 | 0 | 3 | 0 | 0 | 2 | 0 | 20 |
| Day Total | 95 | 1318 | 482 | 75 | 252 | 91 | 0 | 54 | 174 | 4 | 1 | 6 | 4 | 2556 |
| Percent | 3.7\% | 51.6\% | 18.9\% | 2.9\% | 9.9\% | 3.6\% | 0.0\% | 2.1\% | 6.8\% | 0.2\% | 0.0\% | 0.2\% | 0.2\% |  |
| AM Peak | 05:00 | 07:00 | 06:00 | 07:00 | 06:00 | 07:00 |  | 07:00 | 07:00 | 07:00 | 05:00 | 10:00 | 06:00 | 06:00 |
| Vol. | 9 | 142 | 43 | 7 | 38 | 11 |  | 7 | 18 | 1 | 1 | 2 | 1 | 252 |
| PM Peak | 17:00 | 16:00 | 14:00 | 17:00 | 13:00 | 13:00 |  | 14:00 | 15:00 | 15:00 |  | 23:00 | 14:00 | 16:00 |
| Vol. | 7 | 88 | 29 | 6 | 19 | 8 |  | 6 | 10 | 1 |  | 2 | 1 | 151 |
| Grand Total | 95 | 1318 | 482 | 75 | 252 | 91 | 0 | 54 | 174 | 4 | 1 | 6 | 4 | 2556 |
| Percent | 3.7\% | 51.6\% | 18.9\% | 2.9\% | 9.9\% | 3.6\% | 0.0\% | 2.1\% | 6.8\% | 0.2\% | 0.0\% | 0.2\% | 0.2\% |  |

Wheat Ridge,CO 80033

| WB |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Start |  | Cars \& | 2 Axle |  | 2 Axle | 3 Axle | 4 Axle | $<5 \mathrm{AxI}$ | 5 Axle | >6 AxI | <6 AxI | 6 Axle | $>6 \mathrm{AxI}$ |  |
| Time | Bikes | Trailers | Long | Buses | 6 Tire | Single | Single | Double | Double | Double | Multi | Multi | Multi | Total |
| 10/10/12 | 0 | 3 | 5 | 2 | 0 | 0 | 0 | 1 | 5 | 0 | 0 | 0 | 0 | 16 |
| 01:00 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 0 | 0 | 0 | 0 | 11 |
| 02:00 | 0 | 3 | 2 | 0 | 1 | 0 | 0 | 1 | 4 | 0 | 0 | 0 | 0 | 11 |
| 03:00 | 0 | 5 | 2 | 2 | 0 | 0 | 0 | 1 | 7 | 0 | 0 | 0 | 0 | 17 |
| 04:00 | 0 | 8 | 3 | 2 | 2 | 0 | 0 | 0 | 7 | 0 | 1 | 0 | 0 | 23 |
| 05:00 | 1 | 28 | 14 | 3 | 11 | 0 | 0 | 0 | 6 | 0 | 0 | 0 | 0 | 63 |
| 06:00 | 0 | 49 | 16 | 2 | 8 | 1 | 0 | 0 | 6 | 0 | 0 | 0 | 0 | 82 |
| 07:00 | 0 | 65 | 29 | 1 | 9 | 0 | 0 | 5 | 15 | 1 | 0 | 0 | 0 | 125 |
| 08:00 | 1 | 62 | 25 | 2 | 6 | 0 | 0 | 2 | 16 | 0 | 0 | 0 | 0 | 114 |
| 09:00 | 1 | 65 | 27 | 1 | 12 | 2 | 0 | 6 | 12 | 0 | 0 | 0 | 0 | 126 |
| 10:00 | 1 | 62 | 14 | 1 | 8 | 0 | 0 | 3 | 15 | 1 | 0 | 0 | 0 | 105 |
| 11:00 | 0 | 65 | 12 | 2 | 11 | 1 | 0 | 0 | 16 | 0 | 0 | 0 | 0 | 107 |
| 12 PM | 0 | 62 | 33 | 0 | 7 | 6 | 0 | 2 | 11 | 0 | 1 | 0 | 0 | 122 |
| 13:00 | 0 | 50 | 21 | 1 | 11 | 4 | 0 | 2 | 14 | 0 | 0 | 0 | 0 | 103 |
| 14:00 | 0 | 66 | 17 | 1 | 12 | 0 | 0 | 5 | 10 | 0 | 0 | 0 | 1 | 112 |
| 15:00 | 0 | 79 | 16 | 4 | 10 | 1 | 0 | 0 | 18 | 1 | 0 | 1 | 0 | 130 |
| 16:00 | 0 | 47 | 24 | 5 | 15 | 0 | 0 | 1 | 24 | 1 | 0 | 0 | 0 | 117 |
| 17:00 | 0 | 72 | 17 | 4 | 6 | 0 | 0 | 1 | 18 | 0 | 0 | 0 | 0 | 118 |
| 18:00 | 1 | 61 | 36 | 5 | 7 | 2 | 0 | 2 | 18 | 0 | 0 | 1 | 0 | 133 |
| 19:00 | 1 | 50 | 16 | 6 | 6 | 0 | 0 | 1 | 16 | 0 | 0 | 0 | 0 | 96 |
| 20:00 | 0 | 25 | 8 | 4 | 3 | 0 | 0 | 1 | 15 | 0 | 0 | 0 | 0 | 56 |
| 21:00 | 0 | 23 | 9 | 2 | 2 | 0 | 0 | 0 | 10 | 0 | 0 | 0 | 0 | 46 |
| 22:00 | 0 | 12 | 5 | 2 | 1 | 1 | 0 | 0 | 6 | 0 | 0 | 1 | 0 | 28 |
| 23:00 | 0 | 5 | 4 | 2 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 1 | 0 | 16 |
| Day <br> Total | 6 | 970 | 355 | 54 | 148 | 18 | 0 | 34 | 281 | 4 | 2 | 4 | 1 | 1877 |
| Percent | 0.3\% | 51.7\% | 18.9\% | 2.9\% | 7.9\% | 1.0\% | 0.0\% | 1.8\% | 15.0\% | 0.2\% | 0.1\% | 0.2\% | 0.1\% |  |
| AM Peak | 05:00 | 07:00 | 07:00 | 05:00 | 09:00 | 09:00 |  | 09:00 | 08:00 | 07:00 | 04:00 |  |  | 09:00 |
| Vol. | 1 | 65 | 29 | 3 | 12 | 2 |  | 6 | 16 | 1 | 1 |  |  | 126 |
| PM Peak | 18:00 | 15:00 | 18:00 | 19:00 | 16:00 | 12:00 |  | 14:00 | 16:00 | 15:00 | 12:00 | 15:00 | 14:00 | 18:00 |
| Vol. | 1 | 79 | 36 | 6 | 15 | 6 |  | 5 | 24 | 1 | 1 | 1 | 1 | 133 |
| Grand Total | 6 | 970 | 355 | 54 | 148 | 18 | 0 | 34 | 281 | 4 | 2 | 4 | 1 | 1877 |
| Percent | 0.3\% | 51.7\% | 18.9\% | 2.9\% | 7.9\% | 1.0\% | 0.0\% | 1.8\% | 15.0\% | 0.2\% | 0.1\% | 0.2\% | 0.1\% |  |

Site Code: 7
Station ID:
COLFAX AVE W/O ADAMS ST

| EB |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Start |  | Cars \& | 2 Axle |  | 2 Axle | 3 Axle | 4 Axle | < 5 AxI | 5 Axle | >6 AxI | <6 AxI | 6 Axle | >6 AxI |  |
| Time | Bikes | Trailers | Long | Buses | 6 Tire | Single | Single | Double | Double | Double | Multi | Multi | Multi | Total |
| 09/11/12 | 3 | 10 | 3 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 18 |
| 01:00 | 0 | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 |
| 02:00 | 1 | 6 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 |
| 03:00 | 2 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| 04:00 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 05:00 | 0 | 6 | 4 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 |
| 06:00 | 1 | 27 | 4 | 1 | 7 | 9 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 51 |
| 07:00 | 6 | 134 | 17 | 0 | 11 | 0 | 0 | 3 | 2 | 0 | 0 | 0 | 0 | 173 |
| 08:00 | 3 | 118 | 23 | 0 | 6 | 4 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 156 |
| 09:00 | 5 | 80 | 26 | 0 | 7 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 121 |
| 10:00 | 5 | 92 | 20 | 0 | 9 | 4 | 0 | 2 | 4 | 0 | 0 | 0 | 0 | 136 |
| 11:00 | 6 | 115 | 33 | 0 | 4 | 5 | 0 | 0 | 6 | 0 | 0 | 0 | 0 | 169 |
| 12 PM | 11 | 99 | 35 | 0 | 8 | 6 | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 163 |
| 13:00 | 4 | 123 | 22 | 1 | 6 | 2 | 0 | 1 | 4 | 0 | 0 | 0 | 0 | 163 |
| 14:00 | 8 | 105 | 21 | 1 | 10 | 6 | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 155 |
| 15:00 | 8 | 141 | 36 | 1 | 9 | 3 | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 202 |
| 16:00 | 9 | 210 | 39 | 0 | 12 | 3 | 0 | 5 | 2 | 0 | 0 | 0 | 0 | 280 |
| 17:00 | 9 | 223 | 44 | 1 | 19 | 5 | 1 | 4 | 0 | 0 | 0 | 0 | 0 | 306 |
| 18:00 | 7 | 160 | 41 | 2 | 11 | 3 | 0 | 3 | 1 | 1 | 0 | 1 | 1 | 231 |
| 19:00 | 4 | 129 | 31 | 0 | 8 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 174 |
| 20:00 | 1 | 76 | 17 | 0 | 4 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 99 |
| 21:00 | 2 | 44 | 15 | 0 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 65 |
| 22:00 | 1 | 26 | 8 | 0 | 4 | 1 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 42 |
| 23:00 | 0 | 16 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19 |
| Total | 96 | 1952 | 445 | 7 | 140 | 57 | 1 | 26 | 34 | 1 | 0 | 1 | 1 | 2761 |
| Percent | 3.5\% | 70.7\% | 16.1\% | 0.3\% | 5.1\% | 2.1\% | 0.0\% | 0.9\% | 1.2\% | 0.0\% | 0.0\% | 0.0\% | 0.0\% |  |
| AM Peak | 07:00 | 07:00 |  | 06:00 |  | 06:00 |  | 07:00 | 11:00 |  |  |  |  | 07:00 |
| Vol. | 6 | 134 | 33 | 1 | 11 | 9 |  | 3 | 6 |  |  |  |  | 173 |
| PM Peak | 12:00 | 17:00 | 17:00 | 18:00 | 17:00 | 12:00 | 17:00 | 16:00 | 13:00 | 18:00 |  | 18:00 | 18:00 | 17:00 |
| Vol. | 11 | 223 | 44 | 2 | 19 | 6 | 1 | 5 | 4 | 1 |  | 1 | 1 | 306 |

Site Code: 7 Station ID: COLFAX AVE W/O ADAMS ST

| EB |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Start |  | Cars \& | 2 Axle |  | 2 Axle | 3 Axle | 4 Axle | <5 AxI | 5 Axle | $>6$ AxI | <6 AxI | 6 Axle | >6 AxI |  |
| Time | Bikes | Trailers | Long | Buses | 6 Tire | Single | Single | Double | Double | Double | Multi | Multi | Multi | Total |
| 09/12/12 | 1 | 11 | 2 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15 |
| 01:00 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 |
| 02:00 | 0 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| 03:00 | 0 | 4 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 |
| 04:00 | 0 | 2 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 05:00 | 0 | 13 | 2 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 18 |
| 06:00 | 3 | 28 | 4 | 0 | 5 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 42 |
| 07:00 | 5 | 119 | 17 | 0 | 10 | 8 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 162 |
| 08:00 | 11 | 148 | 35 | 2 | 11 | 5 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 215 |
| 09:00 | 1 | 71 | 17 | 0 | 10 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 101 |
| 10:00 | 7 | 88 | 17 | 2 | 16 | 1 | 0 | 2 | 1 | 0 | 0 | 0 | 1 | 135 |
| 11:00 | 7 | 104 | 21 | 1 | 10 | 3 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 149 |
| 12 PM | 3 | 103 | 41 | 0 | 14 | 2 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 165 |
| 13:00 | 7 | 126 | 38 | 0 | 13 | 5 | 0 | 3 | 3 | 0 | 0 | 0 | 0 | 195 |
| 14:00 | 7 | 107 | 28 | 0 | 14 | 3 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 160 |
| 15:00 | 4 | 109 | 29 | 0 | 12 | 3 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 158 |
| 16:00 | 9 | 209 | 55 | 0 | 13 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 289 |
| 17:00 | 10 | 193 | 34 | 0 | 20 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 258 |
| 18:00 | 4 | 162 | 27 | 0 | 9 | 1 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 206 |
| 19:00 | 8 | 130 | 18 | 0 | 9 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 168 |
| 20:00 | 6 | 73 | 11 | 0 | 4 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 96 |
| 21:00 | 0 | 46 | 3 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 54 |
| 22:00 | 0 | 21 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 26 |
| 23:00 | 1 | 21 | 4 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 28 |
| Total | 94 | 1898 | 413 | 5 | 178 | 41 | 0 | 17 | 15 | 0 | 0 | 0 | 1 | 2662 |
| Percent | 3.5\% | 71.3\% | 15.5\% | 0.2\% | 6.7\% | 1.5\% | 0.0\% | 0.6\% | 0.6\% | 0.0\% | 0.0\% | 0.0\% | 0.0\% |  |
| AM Peak | 08:00 | 08:00 | 08:00 | 08:00 | 10:00 | 07:00 |  | 08:00 | 07:00 |  |  |  | 10:00 | 08:00 |
| Vol. | 11 | 148 | 35 | 2 | 16 | 8 |  | 2 | 3 |  |  |  | 1 | 215 |
| PM Peak | 17:00 | 16:00 | 16:00 |  | 17:00 | 13:00 |  | 13:00 | 13:00 |  |  |  |  | 16:00 |
| Vol. | 10 | 209 | 55 |  | 20 | 5 |  | 3 | 3 |  |  |  |  | 289 |
| Grand Total | 190 | 3850 | 858 | 12 | 318 | 98 | 1 | 43 | 49 | 1 | 0 | 1 | 2 | 5423 |
| Percent | 3.5\% | 71.0\% | 15.8\% | 0.2\% | 5.9\% | 1.8\% | 0.0\% | 0.8\% | 0.9\% | 0.0\% | 0.0\% | 0.0\% | 0.0\% |  |

Site Code: 7 Station ID: COLFAX AVE W/O ADAMS ST

WB

| Start |  | Cars \& | 2 Axle |  | 2 Axle | 3 Axle | 4 Axle | $<5 \mathrm{AxI}$ | 5 Axle | $>6 \mathrm{AxI}$ | <6 AxI | 6 Axle | $>6 \mathrm{AxI}$ |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Time | Bikes | Trailers | Long | Buses | 6 Tire | Single | Single | Double | Double | Double | Multi | Multi | Multi | Total |
| 09/11/12 | 1 | 13 | 3 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19 |
| 01:00 | 0 | 11 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 |
| 02:00 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| 03:00 | 2 | 7 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 |
| 04:00 | 0 | 14 | 3 | 1 | 1 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 22 |
| 05:00 | 2 | 49 | 16 | 0 | 6 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 74 |
| 06:00 | 3 | 97 | 25 | 0 | 19 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 147 |
| 07:00 | 5 | 128 | 28 | 0 | 17 | 1 | 0 | 2 | 3 | 0 | 0 | 0 | 0 | 184 |
| 08:00 | 5 | 170 | 40 | 1 | 10 | 3 | 0 | 3 | 1 | 0 | 0 | 0 | 0 | 233 |
| 09:00 | 5 | 119 | 35 | 2 | 22 | 4 | 0 | 4 | 4 | 0 | 0 | 0 | 0 | 195 |
| 10:00 | 6 | 91 | 32 | 1 | 18 | 2 | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 154 |
| 11:00 | 9 | 109 | 35 | 1 | 18 | 1 | 0 | 1 | 4 | 0 | 0 | 0 | 0 | 178 |
| 12 PM | 10 | 125 | 34 | 1 | 16 | 12 | 0 | 5 | 8 | 1 | 0 | 0 | 1 | 213 |
| 13:00 | 7 | 111 | 42 | 2 | 7 | 3 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 176 |
| 14:00 | 1 | 99 | 30 | 1 | 7 | 1 | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 143 |
| 15:00 | 8 | 106 | 32 | 4 | 16 | 6 | 0 | 1 | 3 | 0 | 0 | 0 | 0 | 176 |
| 16:00 | 9 | 189 | 42 | 1 | 18 | 1 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 262 |
| 17:00 | 9 | 165 | 29 | 1 | 9 | 7 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 223 |
| 18:00 | 5 | 137 | 33 | 1 | 7 | 3 | 0 | 3 | 0 | 0 | 0 | 1 | 0 | 190 |
| 19:00 | 1 | 114 | 20 | 1 | 7 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 145 |
| 20:00 | 3 | 100 | 23 | 1 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 134 |
| 21:00 | 0 | 28 | 5 | 1 | 5 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 40 |
| 22:00 | 1 | 31 | 4 | 0 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 40 |
| 23:00 | 3 | 16 | 1 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 23 |
| Total | 96 | 2032 | 512 | 21 | 217 | 50 | 1 | 30 | 36 | 1 | 0 | 1 | 1 | 2998 |
| Percent | 3.2\% | 67.8\% | 17.1\% | 0.7\% | 7.2\% | 1.7\% | 0.0\% | 1.0\% | 1.2\% | 0.0\% | 0.0\% | 0.0\% | 0.0\% |  |
| AM Peak | 11:00 | 08:00 | 08:00 | 09:00 | 09:00 | 09:00 |  | 09:00 | 09:00 |  |  |  |  | 08:00 |
| Vol. | 9 | 170 | 40 | 2 | 22 | 4 |  | 4 | 4 |  |  |  |  | 233 |
| PM Peak | 12:00 | 16:00 | 13:00 | 15:00 | 16:00 | 12:00 | 17:00 | 12:00 | 12:00 | 12:00 |  | 18:00 | 12:00 | 16:00 |
| Vol. | 10 | 189 | 42 | 4 | 18 | 12 | 1 | 5 | 8 | 1 |  | 1 | 1 | 262 |

Site Code: 7 Station ID: COLFAX AVE W/O ADAMS ST

WB

| Start |  | Cars \& | 2 Axle |  | 2 Axle | 3 Axle | 4 Axle | <5 AxI | 5 Axle | $>6 \mathrm{AxI}$ | <6 AxI | 6 Axle | $>6 \mathrm{AxI}$ |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Time | Bikes | Trailers | Long | Buses | 6 Tire | Single | Single | Double | Double | Double | Multi | Multi | Multi | Total |
| 09/12/12 | 0 | 7 | 2 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 11 |
| 01:00 | 1 | 8 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 |
| 02:00 | 0 | 4 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| 03:00 | 1 | 6 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 |
| 04:00 | 1 | 19 | 2 | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 26 |
| 05:00 | 0 | 45 | 10 | 0 | 6 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 62 |
| 06:00 | 3 | 89 | 23 | 1 | 21 | 3 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 142 |
| 07:00 | 8 | 142 | 24 | 3 | 11 | 6 | 0 | 2 | 3 | 0 | 0 | 0 | 0 | 199 |
| 08:00 | 7 | 173 | 46 | 2 | 22 | 7 | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 261 |
| 09:00 | 1 | 100 | 32 | 0 | 18 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 153 |
| 10:00 | 4 | 107 | 19 | 0 | 13 | 3 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 149 |
| 11:00 | 7 | 131 | 46 | 4 | 13 | 6 | 0 | 3 | 5 | 0 | 0 | 0 | 0 | 215 |
| 12 PM | 4 | 118 | 42 | 2 | 20 | 4 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 193 |
| 13:00 | 6 | 101 | 37 | 1 | 18 | 1 | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 168 |
| 14:00 | 7 | 103 | 35 | 2 | 13 | 5 | 0 | 2 | 3 | 0 | 0 | 0 | 0 | 170 |
| 15:00 | 7 | 97 | 30 | 1 | 17 | 2 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 157 |
| 16:00 | 6 | 204 | 39 | 0 | 18 | 1 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 271 |
| 17:00 | 7 | 144 | 25 | 0 | 14 | 6 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 199 |
| 18:00 | 3 | 122 | 25 | 0 | 10 | 1 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 163 |
| 19:00 | 2 | 120 | 26 | 3 | 6 | 3 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 162 |
| 20:00 | 1 | 46 | 8 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 60 |
| 21:00 | 1 | 38 | 4 | 1 | 4 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 49 |
| 22:00 | 1 | 21 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 26 |
| 23:00 | 1 | 10 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 |
| Total | 79 | 1955 | 480 | 22 | 234 | 52 | 0 | 21 | 30 | 0 | 0 | 0 | 0 | 2873 |
| Percent | 2.7\% | 68.0\% | 16.7\% | 0.8\% | 8.1\% | 1.8\% | 0.0\% | 0.7\% | 1.0\% | 0.0\% | 0.0\% | 0.0\% | 0.0\% |  |
| AM Peak | 07:00 | 08:00 | 08:00 | 11:00 | 08:00 | 08:00 |  | 11:00 | 11:00 |  |  |  |  | 08:00 |
| Vol. | 8 | 173 | 46 | 4 | 22 | 7 |  | 3 | 5 |  |  |  |  | 261 |
| PM Peak | 14:00 | 16:00 | 12:00 | 19:00 | 12:00 | 17:00 |  | 16:00 | 14:00 |  |  |  |  | 16:00 |
| Vol. | 7 | 204 | 42 | 3 | 20 | 6 |  | 3 | 3 |  |  |  |  | 271 |
| Grand Total | 175 | 3987 | 992 | 43 | 451 | 102 | 1 | 51 | 66 | 1 | 0 | 1 | 1 | 5871 |
| Percent | 3.0\% | 67.9\% | 16.9\% | 0.7\% | 7.7\% | 1.7\% | 0.0\% | 0.9\% | 1.1\% | 0.0\% | 0.0\% | 0.0\% | 0.0\% |  |

All Traffic Data Services
Wheat Ridge,CO 80033
303-668-0220
File Name : \#1 CONVERSE\&EXIT304EBRAMPSAM
Site Code : 00000000
Start Date : 9/11/2012
Page No : 1
Groups Printed- CAR - MEDIUM - HEAVY

|  | CONVERSE RD - SH 79 Southbound |  |  |  | EXIT 304 EB I-70 RAMPSWestbound |  |  |  | CONVERSE RD - SH 79 Northbound |  |  |  | EXIT 304 EB I-70 RAMPSEastbound |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Start Time | Rght | Thru | Left | Other | Rght | Thru | Left | Other | Rght | Thru | Left | Other | Rght | Thru | Left | Other | Int. Total |
| 06:45 AM | 0 | 7 | 17 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 0 | 0 | 2 | 0 | 26 | 0 | 60 |
| Total | 0 | 7 | 17 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 0 | 0 | 2 | 0 | 26 | 0 | 60 |


| $07: 00 \mathrm{AM}$ | 0 | 5 | 18 | 0 | 0 | 0 | 0 | 0 | 2 | 10 | 0 | 0 | 2 | 0 | 35 | 0 | 72 |
| ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| $07: 15 \mathrm{AM}$ | 0 | 2 | 27 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 0 | 0 | 0 | 45 | 0 |  |
| $07: 30 \mathrm{AM}$ | 0 | 3 | 33 | 0 | 0 | 0 | 0 | 0 | 3 | 19 | 0 | 0 | 0 | 0 | 25 | 0 |  |
| $07: 45 \mathrm{AM}$ | 0 | 4 | 12 | 0 | 0 | 0 | 0 | 0 | 1 | 6 | 0 | 0 | 2 | 0 | 38 | 0 | 63 |
| Total | 0 | 14 | 90 | 0 | 0 | 0 | 0 | 0 | 6 | 45 | 0 | 0 | 4 | 0 | 143 | 0 | 302 |


| 08:00 AM | 0 | 9 | 29 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 0 | 0 | 0 | 0 | 21 | 0 | 64 |  |  |
| ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| 08:15 AM | 0 | 7 | 18 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 0 | 1 | 0 | 23 | 0 | 55 |  |  |
| 08:30 AM | 0 | 10 | 24 | 0 | 0 | 0 | 0 | 0 | 2 | 7 | 0 | 0 | 1 | 0 | 22 | 0 | 66 |  |  |
| Grand Total | 0 | 47 | 178 | 0 | 0 | 0 | 0 | 0 | 9 | 70 | 0 | 0 | 8 | 0 | 235 | 0 | 547 |  |  |
| Apprch \% | 0 | 20.9 | 79.1 | 0 | 0 | 0 | 0 | 0 | 11.4 | 88.6 | 0 | 0 | 3.3 | 0 | 96.7 | 0 | 0 | 43 | 0 |
| Total \% | 0 | 8.6 | 32.5 | 0 | 0 | 0 | 0 | 0 | 1.6 | 12.8 | 0 | 0 | 1.5 | 0 | 0 | 198 | 0 | 464 |  |
| CAR | 0 | 46 | 139 | 0 | 0 | 0 | 0 | 0 | 8 | 67 | 0 | 0 | 6 | 0 | 0 | 84.3 | 0 | 84.8 |  |
| CAR | 0 | 97.9 | 78.1 | 0 | 0 | 0 | 0 | 0 | 88.9 | 95.7 | 0 | 0 | 75 | 0 | 84 |  |  |  |  |
| MEDIUM | 0 | 1 | 5 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 13 | 0 | 21 |  |  |
| \% MEDIUM | 0 | 2.1 | 2.8 | 0 | 0 | 0 | 0 | 0 | 11.1 | 0 | 0 | 0 | 12.5 | 0 | 5.5 | 0 | 3.8 |  |  |
| HEAVY | 0 | 0 | 34 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 1 | 0 | 24 | 0 | 62 |  |  |
| \% HEAVY | 0 | 0 | 19.1 | 0 | 0 | 0 | 0 | 0 | 0 | 4.3 | 0 | 0 | 12.5 | 0 | 10.2 | 0 | 11.3 |  |  |



## All Traffic Data Services <br> Wheat Ridge,CO 80033 <br> 303-668-0220

File Name : \#1 CONVERSE\&EXIT304EBRAMPSAM
Site Code : 00000000
Start Date : 9/11/2012
Page No : 2

|  | CONVERSE RD - SH 79 Southbound |  |  |  |  | EXIT 304 EB I-70 RAMPS Westbound |  |  |  |  | CONVERSE RD - SH 79 Northbound |  |  |  |  | EXIT 304 EB I-70 RAMPS Eastbound |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Start Time | Rght | Thru | Left | Other | App. Total | Rght | Thru | Left | Other | App. Total | Rght | Thru | Left | Other | App. Total | Rght | Thru | Left | Other | App. Total | Int. Total |
| Peak Hour Analysis From 06:45 AM to 08:30 AM - Peak 1 of 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Peak Hour for Entire Intersection Begins at 07:00 AM |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 07:00 AM | 0 | 5 | 18 | 0 | 23 | 0 | 0 | 0 | 0 | 0 | 2 | 10 | 0 | 0 | 12 | 2 | 0 | 35 | 0 | 37 | 72 |
| 07:15 AM | 0 | 2 | 27 | 0 | 29 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 0 | 10 | 0 | 0 | 45 | 0 | 45 | 84 |
| 07:30 AM | 0 | 3 | 33 | 0 | 36 | 0 | 0 | 0 | 0 | 0 | 3 | 19 | 0 | 0 | 22 | 0 | 0 | 25 | 0 | 25 | 83 |
| 07:45 AM | 0 | 4 | 12 | 0 | 16 | 0 | 0 | 0 | 0 | 0 | 1 | 6 | 0 | 0 | 7 | 2 | 0 | 38 | 0 | 40 | 63 |
| Total Volume | 0 | 14 | 90 | 0 | 104 | 0 | 0 | 0 | 0 | 0 | 6 | 45 | 0 | 0 | 51 | 4 | 0 | 143 | 0 | 147 | 302 |
| \% App. Total | 0 | 13.5 | 86.5 | 0 |  | 0 | 0 | 0 | 0 |  | 11.8 | 88.2 | 0 | 0 |  | 2.7 | 0 | 97.3 | 0 |  |  |
| PHF | . 000 | . 700 | . 682 | . 000 | . 722 | . 000 | . 000 | . 000 | . 000 | . 000 | . 500 | . 592 | . 000 | . 000 | . 580 | . 500 | . 000 | . 794 | . 000 | . 817 | . 899 |



All Traffic Data Services
Wheat Ridge,CO 80033
303-668-0220
File Name : \#1 CONVERSE\&EXIT304EBRAMPSPM
Site Code : 00000000
Start Date : 9/11/2012
Page No : 1
Groups Printed- CAR - MEDIUM - HEAVY

|  | CONVERSE RD - SH 79 Southbound |  |  |  | EXIT 304 EB I-70 RAMPS Westbound |  |  |  | CONVERSE RD - SH 79 Northbound |  |  |  | EXIT 304 EB I-70 RAMPS Eastbound |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Start Time | Rght | Thru | Left | Other | Rght | Thru | Left | Other | Rght | Thru | Left | Other | Rght | Thru | Left | Other | Int. Total |
| 04:00 PM | 0 | 6 | 50 | 0 | 0 | 0 | 0 | 0 | 2 | 15 | 0 | 0 | 2 | 0 | 75 | 0 | 150 |
| 04:15 PM | 0 | 12 | 49 | 0 | 0 | 0 | 0 | 0 | 1 | 12 | 0 | 0 | 1 | 0 | 78 | 0 | 153 |
| 04:30 PM | 0 | 13 | 65 | 0 | 0 | 0 | 0 | 0 | 4 | 14 | 0 | 0 | 0 | 0 | 70 | 0 | 166 |
| 04:45 PM | 0 | 11 | 60 | 0 | 0 | 0 | 0 | 0 | 2 | 11 | 0 | 0 | 4 | 0 | 83 | 0 | 171 |
| Total | 0 | 42 | 224 | 0 | 0 | 0 | 0 | 0 | 9 | 52 | 0 | 0 | 7 | 0 | 306 | 0 | 640 |


| 05:00 PM | 0 | 13 | 64 | 0 | 0 | 0 | 0 | 0 | 1 | 10 | 0 | 0 | 2 | 0 | 64 | 0 | 154 |
| ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| $05: 15 \mathrm{PM}$ | 0 | 6 | 36 | 0 | 0 | 0 | 0 | 0 | 1 | 14 | 0 | 0 | 2 | 0 | 69 | 0 | 128 |
| $05: 30 \mathrm{PM}$ | 0 | 7 | 51 | 0 | 0 | 0 | 0 | 0 | 2 | 8 | 0 | 0 | 2 | 0 | 65 | 0 | 135 |
| $05: 45 \mathrm{PM}$ | 0 | 7 | 42 | 0 | 0 | 0 | 0 | 0 | 2 | 8 | 0 | 0 | 1 | 0 | 55 | 0 | 115 |
| Total | 0 | 33 | 193 | 0 | 0 | 0 | 0 | 0 | 6 | 40 | 0 | 0 | 7 | 0 | 253 | 0 | 532 |


|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| Grand Total | 0 | 75 | 417 | 0 | 0 | 0 | 0 | 0 | 15 | 92 | 0 | 0 | 14 | 0 | 559 | 0 | 1172 |
| Apprch \% | 0 | 15.2 | 84.8 | 0 | 0 | 0 | 0 | 0 | 14 | 86 | 0 | 0 | 2.4 | 0 | 97.6 | 0 |  |
| Total \% | 0 | 6.4 | 35.6 | 0 | 0 | 0 | 0 | 0 | 1.3 | 7.8 | 0 | 0 | 1.2 | 0 | 47.7 | 0 | 0 |
| CAR | 0 | 73 | 367 | 0 | 0 | 0 | 0 | 0 | 14 | 89 | 0 | 0 | 14 | 0 | 516 | 0 | 1073 |
| \% CAR | 0 | 97.3 | 88 | 0 | 0 | 0 | 0 | 0 | 93.3 | 96.7 | 0 | 0 | 100 | 0 | 92.3 | 0 | 91.6 |
| MEDIUM | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 9 | 0 | 15 |
| \% MEDIUM | 0 | 0 | 1.2 | 0 | 0 | 0 | 0 | 0 | 0 | 1.1 | 0 | 0 | 0 | 0 | 1.6 | 0 | 1.3 |
| HEAVY | 0 | 2 | 45 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 34 | 0 | 84 |
| \% HEAVY | 0 | 2.7 | 10.8 | 0 | 0 | 0 | 0 | 0 | 6.7 | 2.2 | 0 | 0 | 0 | 0 | 6.1 | 0 | 7.2 |



## All Traffic Data Services <br> Wheat Ridge,CO 80033 <br> 303-668-0220

File Name : \#1 CONVERSE\&EXIT304EBRAMPSPM
Site Code : 00000000
Start Date : 9/11/2012
Page No : 2

|  | CONVERSE RD - SH 79 Southbound |  |  |  |  | EXIT 304 EB I-70 RAMPS Westbound |  |  |  |  | CONVERSE RD - SH 79 Northbound |  |  |  |  | EXIT 304 EB I-70 RAMPS Eastbound |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Start Time | Rght | Thru | Left | Other | App. Total | Rght | Thru | Left | Other | App. Total | Rght | Thru | Left | Other | App. Total | Rght | Thru | Left | Other | App. Total | Int. Total |
| Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Peak Hour for Entire Intersection Begins at 04:15 PM |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 04:15 PM | 0 | 12 | 49 | 0 | 61 | 0 | 0 | 0 | 0 | 0 | 1 | 12 | 0 | 0 | 13 | 1 | 0 | 78 | 0 | 79 | 153 |
| 04:30 PM | 0 | 13 | 65 | 0 | 78 | 0 | 0 | 0 | 0 | 0 | 4 | 14 | 0 | 0 | 18 | 0 | 0 | 70 | 0 | 70 | 166 |
| 04:45 PM | 0 | 11 | 60 | 0 | 71 | 0 | 0 | 0 | 0 | 0 | 2 | 11 | 0 | 0 | 13 | 4 | 0 | 83 | 0 | 87 | 171 |
| 05:00 PM | 0 | 13 | 64 | 0 | 77 | 0 | 0 | 0 | 0 | 0 | 1 | 10 | 0 | 0 | 11 | 2 | 0 | 64 | 0 | 66 | 154 |
| Total Volume | 0 | 49 | 238 | 0 | 287 | 0 | 0 | 0 | 0 | 0 | 8 | 47 | 0 | 0 | 55 | 7 | 0 | 295 | 0 | 302 | 644 |
| \% App. Total | 0 | 17.1 | 82.9 | 0 |  | 0 | 0 | 0 | 0 |  | 14.5 | 85.5 | 0 | 0 |  | 2.3 | 0 | 97.7 | 0 |  |  |
| PHF | . 000 | . 942 | . 915 | . 000 | . 920 | . 000 | . 000 | . 000 | . 000 | . 000 | . 500 | . 839 | . 000 | . 000 | . 764 | . 438 | . 000 | . 889 | . 000 | . 868 | . 942 |



All Traffic Data Services
Wheat Ridge,CO 80033
303-668-0220
File Name : \#2 CONVERSE\&EXIT304WBRAMPSAM
Site Code : 00000000
Start Date : 9/11/2012
Page No
: 1
Groups Printed- CAR - MEDIUM - HEAVY

|  | CONVERSE RD - SH 79 Southbound |  |  |  | EXIT 304 WB I-70 RAMPS Westbound |  |  |  | CONVERSE RD - SH 79 Northbound |  |  |  | EXIT 304 WB I-70 RAMPS Eastbound |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Start Time | Rght | Thru | Left | Other | Rght | Thru | Left | Other | Rght | Thru | Left | Other | Rght | Thru | Left | Other | Int. Total |
| 06:45 AM | 60 | 23 | 0 | 0 | 27 | 0 | 1 | 0 | 0 | 34 | 0 | 0 | 0 | 0 | 0 | 0 | 145 |
| Total | 60 | 23 | 0 | 0 | 27 | 0 | 1 | 0 | 0 | 34 | 0 | 0 | 0 | 0 | 0 | 0 | 145 |


| $07: 00 ~ A M ~$ | 54 | 22 | 0 | 0 | 30 | 0 | 1 | 0 | 0 | 42 | 3 | 0 | 0 | 0 | 0 | 0 | 152 |
| ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| $07: 15 \mathrm{AM}$ | 64 | 27 | 0 | 0 | 25 | 0 | 2 | 0 | 0 | 51 | 1 | 0 | 0 | 0 | 0 | 0 | 170 |
| $07: 30 \mathrm{AM}$ | 59 | 36 | 0 | 0 | 22 | 0 | 0 | 0 | 0 | 38 | 4 | 0 | 0 | 0 | 0 | 0 | 159 |
| $07: 45 \mathrm{AM}$ | 51 | 16 | 0 | 0 | 24 | 0 | 0 | 0 | 0 | 43 | 1 | 0 | 0 | 0 | 0 | 0 | 135 |
| Total | 228 | 101 | 0 | 0 | 101 | 0 | 3 | 0 | 0 | 174 | 9 | 0 | 0 | 0 | 0 | 0 | 616 |


| 08:00 AM | 56 | 32 | 0 | 0 | 23 | 0 | 6 | 0 | 0 | 29 | 0 | 0 | 0 | 0 | 0 | 0 | 146 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 08:15 AM | 37 | 23 | 0 | 0 | 24 | 0 | 2 | 0 | 0 | 27 | 2 | 0 | 0 | 0 | 0 | 0 | 115 |
| 08:30 AM | 42 | 33 | 0 | 0 | 22 | 0 | 1 | 0 | 0 | 25 | 3 | 0 | 0 | 0 | 0 | 0 | 126 |
| Grand Total | 423 | 212 | 0 | 0 | 197 | 0 | 13 | 0 | 0 | 289 | 14 | 0 | 0 | 0 | 0 | 0 | 1148 |
| Apprch \% | 66.6 | 33.4 | 0 | 0 | 93.8 | 0 | 6.2 | 0 | 0 | 95.4 | 4.6 | 0 | 0 | 0 | 0 | 0 |  |
| Total \% | 36.8 | 18.5 | 0 | 0 | 17.2 | 0 | 1.1 | 0 | 0 | 25.2 | 1.2 | 0 | 0 | 0 | 0 | 0 |  |
| CAR | 389 | 171 | 0 | 0 | 183 | 0 | 13 | 0 | 0 | 252 | 13 | 0 | 0 | 0 | 0 | 0 | 1021 |
| \% CAR | 92 | 80.7 | 0 | 0 | 92.9 | 0 | 100 | 0 | 0 | 87.2 | 92.9 | 0 | 0 | 0 | 0 | 0 | 88.9 |
| MEDIUM | 11 | 6 | 0 | 0 | 6 | 0 | 0 | 0 | 0 | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 35 |
| \% MEDIUM | 2.6 | 2.8 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 4.2 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| HEAVY | 23 | 35 | 0 | 0 | 8 | 0 | 0 | 0 | 0 | 25 | 1 | 0 | 0 | 0 | 0 | 0 | 92 |
| \% HEAVY | 5.4 | 16.5 | 0 | 0 | 4.1 | 0 | 0 | 0 | 0 | 8.7 | 7.1 | 0 | 0 | 0 | 0 | 0 | 8 |


|  |  <br> Rght Thru Left Other |  |
| :---: | :---: | :---: |
|  |  <br> ${ }^{c}{ }^{\text {North }}$ <br> 9/11/2012 06:45 AM <br> 9/11/2012 08:30 AM <br> CAR <br> MEDIUM <br> HEAVY |  |
|  |  |  |

## All Traffic Data Services Wheat Ridge,CO 80033 <br> 303-668-0220

File Name : \#2 CONVERSE\&EXIT304WBRAMPSAM
Site Code : 00000000
Start Date : 9/11/2012
Page No :2

|  | CONVERSE RD - SH 79 Southbound |  |  |  |  | EXIT 304 WB I-70 RAMPS Westbound |  |  |  |  | CONVERSE RD - SH 79 Northbound |  |  |  |  | EXIT 304 WB I-70 RAMPS Eastbound |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Start Time | Rght | Thru | Left | Other | App. Total | Rght | Thru | Left | Other | App. Total | Rght | Thru | Left | Other | App. Total | Rght | Thru | Left | Other | App. Total | Int. Total |
| Peak Hour Analysis From 06:45 AM to 08:30 AM - Peak 1 of 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Peak Hour for Entire Intersection Begins at 06:45 AM |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 06:45 AM | 60 | 23 | 0 | 0 | 83 | 27 | 0 | 1 | 0 | 28 | 0 | 34 | 0 | 0 | 34 | 0 | 0 | 0 | 0 | 0 | 145 |
| 07:00 AM | 54 | 22 | 0 | 0 | 76 | 30 | 0 | 1 | 0 | 31 | 0 | 42 | 3 | 0 | 45 | 0 | 0 | 0 | 0 | 0 | 152 |
| 07:15 AM | 64 | 27 | 0 | 0 | 91 | 25 | 0 | 2 | 0 | 27 | 0 | 51 | 1 | 0 | 52 | 0 | 0 | 0 | 0 | 0 | 170 |
| 07:30 AM | 59 | 36 | 0 | 0 | 95 | 22 | 0 | 0 | 0 | 22 | 0 | 38 | 4 | 0 | 42 | 0 | 0 | 0 | 0 | 0 | 159 |
| Total Volume | 237 | 108 | 0 | 0 | 345 | 104 | 0 | 4 | 0 | 108 | 0 | 165 | 8 | 0 | 173 | 0 | 0 | 0 | 0 | 0 | 626 |
| \% App. Total | 68.7 | 31.3 | 0 | 0 |  | 96.3 | 0 | 3.7 | 0 |  | 0 | 95.4 | 4.6 | 0 |  | 0 | 0 | 0 | 0 |  |  |
| PHF | . 926 | . 750 | . 000 | . 000 | . 908 | . 867 | . 000 | . 500 | . 000 | . 871 | . 000 | . 809 | . 500 | . 000 | . 832 | . 000 | . 000 | . 000 | . 000 | . 000 | . 921 |



All Traffic Data Services
Wheat Ridge,CO 80033
303-668-0220
File Name : \#2 CONVERSE\&EXIT304WBRAMPSPM
Site Code : 00000000
Start Date : 9/11/2012
Page No
: 1
Groups Printed- CAR - MEDIUM - HEAVY

|  | CONVERSE RD - SH 79 Southbound |  |  |  | EXIT 304 WB I-70 RAMPS Westbound |  |  |  | CONVERSE RD - SH 79 Northbound |  |  |  | EXIT 304 WB I-70 RAMPSEastbound |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Start Time | Rght | Thru | Left | Other | Rght | Thru | Left | Other | Rght | Thru | Left | Other | Rght | Thru | Left | Other | Int. Total |
| 04:00 PM | 32 | 57 | 0 | 0 | 26 | 0 | 0 | 0 | 0 | 88 | 1 | 0 | 0 | 0 | 0 | 0 | 204 |
| 04:15 PM | 33 | 60 | 0 | 0 | 19 | 0 | 2 | 0 | 0 | 87 | 3 | 0 | 0 | 0 | 0 | 0 | 204 |
| 04:30 PM | 44 | 75 | 0 | 0 | 40 | 0 | 3 | 0 | 0 | 81 | 2 | 0 | 0 | 0 | 0 | 0 | 245 |
| 04:45 PM | 23 | 70 | 0 | 0 | 28 | 0 | 1 | 0 | 0 | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 217 |
| Total | 132 | 262 | 0 | 0 | 113 | 0 | 6 | 0 | 0 | 351 | 6 | 0 | 0 | 0 | 0 | 0 | 870 |
| 05:00 PM | 31 | 77 | 0 | 0 | 22 | 0 | 0 | 0 | 0 | 74 | 0 | 0 | 0 | 0 | 0 | 0 | 204 |
| 05:15 PM | 36 | 40 | 0 | 0 | 24 | 1 | 2 | 0 | 0 | 79 | 1 | 0 | 0 | 0 | 0 | 0 | 183 |
| 05:30 PM | 19 | 55 | 0 | 0 | 28 | 0 | 3 | 0 | 0 | 75 | 2 | 0 | 0 | 0 | 0 | 0 | 182 |
| 05:45 PM | 21 | 48 | 0 | 0 | 22 | 0 | 1 | 0 | 0 | 62 | 1 | 0 | 0 | 0 | 0 | 0 | 155 |
| Total | 107 | 220 | 0 | 0 | 96 | 1 | 6 | 0 | 0 | 290 | 4 | 0 | 0 | 0 | 0 | 0 | 724 |
| Grand Total | 239 | 482 | 0 | 0 | 209 | 1 | 12 | 0 | 0 | 641 | 10 | 0 | 0 | 0 | 0 | 0 | 1594 |
| Apprch \% | 33.1 | 66.9 | 0 | 0 | 94.1 | 0.5 | 5.4 | 0 | 0 | 98.5 | 1.5 | 0 | 0 | 0 | 0 | 0 |  |
| Total \% | 15 | 30.2 | 0 | 0 | 13.1 | 0.1 | 0.8 | 0 | 0 | 40.2 | 0.6 | 0 | 0 | 0 | 0 | 0 |  |
| CAR | 217 | 428 | 0 | 0 | 162 | 1 | 12 | 0 | 0 | 595 | 10 | 0 | 0 | 0 | 0 | 0 | 1425 |
| \% CAR | 90.8 | 88.8 | 0 | 0 | 77.5 | 100 | 100 | 0 | 0 | 92.8 | 100 | 0 | 0 | 0 | 0 | 0 | 89.4 |
| MEDIUM | 6 | 7 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 29 |
| \% MEDIUM | 2.5 | 1.5 | 0 | 0 | 2.4 | 0 | 0 | 0 | 0 | 1.7 | 0 | 0 | 0 | 0 | 0 | 0 | 1.8 |
| HEAVY | 16 | 47 | 0 | 0 | 42 | 0 | 0 | 0 | 0 | 35 | 0 | 0 | 0 | 0 | 0 | 0 | 140 |
| \% HEAVY | 6.7 | 9.8 | 0 | 0 | 20.1 | 0 | 0 | 0 | 0 | 5.5 | 0 | 0 | 0 | 0 | 0 | 0 | 8.8 |


|  |  |  |
| :---: | :---: | :---: |
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|  |  |  |

## All Traffic Data Services Wheat Ridge,CO 80033 <br> 303-668-0220

File Name : \#2 CONVERSE\&EXIT304WBRAMPSPM
Site Code : 00000000
Start Date : 9/11/2012
Page No :2

|  | CONVERSE RD - SH 79 Southbound |  |  |  |  | EXIT 304 WB I-70 RAMPS Westbound |  |  |  |  | CONVERSE RD - SH 79 Northbound |  |  |  |  | EXIT 304 WB I-70 RAMPS Eastbound |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Start Time | Rght | Thru | Left | Other | App. Total | Rght | Thru | Left | Other | App. Total | Rght | Thru | Left | Other | App. Total | Rght | Thru | Left | Other | App. Total | Int. Total |
| Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Peak Hour for Entire Intersection Begins at 04:00 PM |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 04:00 PM | 32 | 57 | 0 | 0 | 89 | 26 | 0 | 0 | 0 | 26 | 0 | 88 | 1 | 0 | 89 | 0 | 0 | 0 | 0 | 0 | 204 |
| 04:15 PM | 33 | 60 | 0 | 0 | 93 | 19 | 0 | 2 | 0 | 21 | 0 | 87 | 3 | 0 | 90 | 0 | 0 | 0 | 0 | 0 | 204 |
| 04:30 PM | 44 | 75 | 0 | 0 | 119 | 40 | 0 | 3 | 0 | 43 | 0 | 81 | 2 | 0 | 83 | 0 | 0 | 0 | 0 | 0 | 245 |
| 04:45 PM | 23 | 70 | 0 | 0 | 93 | 28 | 0 | 1 | 0 | 29 | 0 | 95 | 0 | 0 | 95 | 0 | 0 | 0 | 0 | 0 | 217 |
| Total Volume | 132 | 262 | 0 | 0 | 394 | 113 | 0 | 6 | 0 | 119 | 0 | 351 | 6 | 0 | 357 | 0 | 0 | 0 | 0 | 0 | 870 |
| \% App. Total | 33.5 | 66.5 | 0 | 0 |  | 95 | 0 | 5 | 0 |  | 0 | 98.3 | 1.7 | 0 |  | 0 | 0 | 0 | 0 |  |  |
| PHF | . 750 | . 873 | . 000 | . 000 | . 828 | . 706 | . 000 | . 500 | . 000 | . 692 | . 000 | . 924 | . 500 | . 000 | . 939 | . 000 | . 000 | . 000 | . 000 | . 000 | . 888 |



All Traffic Data Services
Wheat Ridge,CO 80033
303-668-0220
File Name : \#3 CONVERSE\&MARKETPLACEAM
Site Code : 00000000
Start Date : 9/11/2012
Page No : 1
Groups Printed- CAR - MEDIUM - HEAVY

|  | CONVERSE RD - SH 79 Southbound |  |  |  | MARKET PLACE - GAS STATION Westbound |  |  |  | CONVERSE RD - SH 79 Northbound |  |  |  | MARKET PLACE - GAS STATION Eastbound |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Start Time | Rght | Thru | Left | Other | Rght | Thru | Left | Other | Rght | Thru | Left | Other | Rght | Thru | Left | Other | Int. Total |
| 06:45 AM | 8 | 40 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17 | 41 | 0 | 38 | 0 | 2 | 0 | 146 |
| Total | 8 | 40 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17 | 41 | 0 | 38 | 0 | 2 | 0 | 146 |
| 07:00 AM | 12 | 41 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 34 | 38 | 0 | 34 | 0 | 5 | 0 | 164 |
| 07:15 AM | 16 | 36 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 32 | 39 | 0 | 53 | 0 | 4 | 0 | 180 |
| 07:30 AM | 8 | 39 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 35 | 22 | 0 | 47 | 0 | 3 | 0 | 154 |
| 07:45 AM | 19 | 41 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 29 | 35 | 0 | 30 | 0 | 4 | 0 | 158 |
| Total | 55 | 157 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 130 | 134 | 0 | 164 | 0 | 16 | 0 | 656 |
| 08:00 AM | 12 | 41 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16 | 36 | 0 | 46 | 0 | 5 | 0 | 156 |
| 08:15 AM | 12 | 23 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20 | 27 | 0 | 33 | 0 | 5 | 0 | 120 |
| 08:30 AM | 14 | 35 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 33 | 0 | 39 | 0 | 2 | 0 | 132 |
| Grand Total | 101 | 296 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 192 | 271 | 0 | 320 | 0 | 30 | 0 | 1210 |
| Apprch \% | 25.4 | 74.6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 41.5 | 58.5 | 0 | 91.4 | 0 | 8.6 | 0 |  |
| Total \% | 8.3 | 24.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15.9 | 22.4 | 0 | 26.4 | 0 | 2.5 | 0 |  |
| CAR | 97 | 282 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 176 | 238 | 0 | 263 | 0 | 29 | 0 | 1085 |
| \% CAR | 96 | 95.3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 91.7 | 87.8 | 0 | 82.2 | 0 | 96.7 | 0 | 89.7 |
| MEDIUM | 2 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 7 | 0 | 6 | 0 | 0 | 0 | 27 |
| \% MEDIUM | 2 | 1.7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.6 | 2.6 | 0 | 1.9 | 0 | 0 | 0 | 2.2 |
| HEAVY | 2 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 26 | 0 | 51 | 0 | 1 | 0 | 98 |
| \% HEAVY | 2 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.7 | 9.6 | 0 | 15.9 | 0 | 3.3 | 0 | 8.1 |



## All Traffic Data Services Wheat Ridge,CO 80033 <br> 303-668-0220

File Name : \#3 CONVERSE\&MARKETPLACEAM
Site Code : 00000000
Start Date : 9/11/2012
Page No :2

|  | CONVERSE RD - SH 79 Southbound |  |  |  |  | MARKET PLACE - GAS STATION Westbound |  |  |  |  | CONVERSE RD - SH 79 Northbound |  |  |  |  | MARKET PLACE - GAS STATION Eastbound |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Start Time | Rght | Thru | Left | Other | App. Total | Rght | Thru | Left | Other | App. Total | Rght | Thru | Left | Other | App. Total | Rght | Thru | Left | Other | App. Total | Int. Total |
| Peak Hour Analysis From 06:45 AM to 08:30 AM - Peak 1 of 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Peak Hour for Entire Intersection Begins at 07:00 AM |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 07:00 AM | 12 | 41 | 0 | 0 | 53 | 0 | 0 | 0 | 0 | 0 | 0 | 34 | 38 | 0 | 72 | 34 | 0 | 5 | 0 | 39 | 164 |
| 07:15 AM | 16 | 36 | 0 | 0 | 52 | 0 | 0 | 0 | 0 | 0 | 0 | 32 | 39 | 0 | 71 | 53 | 0 | 4 | 0 | 57 | 180 |
| 07:30 AM | 8 | 39 | 0 | 0 | 47 | 0 | 0 | 0 | 0 | 0 | 0 | 35 | 22 | 0 | 57 | 47 | 0 | 3 | 0 | 50 | 154 |
| 07:45 AM | 19 | 41 | 0 | 0 | 60 | 0 | 0 | 0 | 0 | 0 | 0 | 29 | 35 | 0 | 64 | 30 | 0 | 4 | 0 | 34 | 158 |
| Total Volume | 55 | 157 | 0 | 0 | 212 | 0 | 0 | 0 | 0 | 0 | 0 | 130 | 134 | 0 | 264 | 164 | 0 | 16 | 0 | 180 | 656 |
| \% App. Total | 25.9 | 74.1 | 0 | 0 |  | 0 | 0 | 0 | 0 |  | 0 | 49.2 | 50.8 | 0 |  | 91.1 | 0 | 8.9 | 0 |  |  |
| PHF | . 724 | . 957 | . 000 | . 000 | . 883 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 929 | . 859 | . 000 | . 917 | . 774 | . 000 | . 800 | . 000 | . 789 | . 911 |



All Traffic Data Services
Wheat Ridge,CO 80033
303-668-0220
File Name : \#3 CONVERSE\&MARKETPLACEPM
Site Code : 00000000
Start Date : 9/11/2012
Page No : 1
Groups Printed- CAR - MEDIUM - HEAVY

|  | CONVERSE RD - SH 79 Southbound |  |  |  | MARKET PLACE - GAS STATION Westbound |  |  |  | CONVERSE RD - SH 79 Northbound |  |  |  | MARKET PLACE - GAS STATION Eastbound |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Start Time | Rght | Thru | Left | Other | Rght | Thru | Left | Other | Rght | Thru | Left | Other | Rght | Thru | Left | Other | Int. Total |
| 04:00 PM | 11 | 40 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 53 | 54 | 0 | 42 | 0 | 14 | 0 | 214 |
| 04:15 PM | 13 | 31 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 47 | 55 | 0 | 58 | 0 | 12 | 0 | 216 |
| 04:30 PM | 9 | 53 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 48 | 76 | 0 | 62 | 0 | 5 | 0 | 253 |
| 04:45 PM | 12 | 31 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 51 | 68 | 0 | 61 | 0 | 9 | 0 | 232 |
| Total | 45 | 155 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 199 | 253 | 0 | 223 | 0 | 40 | 0 | 915 |
| 05:00 PM | 10 | 44 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 45 | 55 | 0 | 64 | 0 | 13 | 0 | 231 |
| 05:15 PM | 9 | 37 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 49 | 53 | 0 | 35 | 0 | 4 | 0 | 187 |
| 05:30 PM | 17 | 26 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 55 | 49 | 0 | 51 | 0 | 12 | 0 | 210 |
| 05:45 PM | 6 | 23 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 38 | 46 | 0 | 47 | 0 | 8 | 0 | 168 |
| Total | 42 | 130 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 187 | 203 | 0 | 197 | 0 | 37 | 0 | 796 |


|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| Grand Total | 87 | 285 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 386 | 456 | 0 | 420 | 0 | 77 | 0 |
| 1711 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Apprch \% | 23.4 | 76.6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 45.8 | 54.2 | 0 | 84.5 | 0 | 15.5 | 0 |
| Total \% | 5.1 | 16.7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 22.6 | 26.7 | 0 | 24.5 | 0 | 4.5 | 0 |
| CAR | 79 | 268 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 367 | 388 | 0 | 369 | 0 | 75 | 0 |
| C CAR | 90.8 | 94 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 95.1 | 85.1 | 0 | 87.9 | 0 | 97.4 | 0 |
| MEDIUM | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 8 | 0 | 90.4 |  |  |  |
| MEDIUM | 0 | 0.7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.3 | 1.8 | 0 | 1.7 | 0 | 1 | 0 |
| HEAVY | 8 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 | 60 | 0 | 44 | 0 | 1.3 | 0 |
| HEAVY | 9.2 | 5.3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.6 | 13.2 | 0 | 10.5 | 0 | 1.3 | 0 |
| HEA | 142 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |



## All Traffic Data Services Wheat Ridge,CO 80033 <br> 303-668-0220

File Name : \#3 CONVERSE\&MARKETPLACEPM
Site Code : 00000000
Start Date : 9/11/2012
Page No :2

|  | CONVERSE RD - SH 79 Southbound |  |  |  |  | MARKET PLACE - GAS STATION Westbound |  |  |  |  | CONVERSE RD - SH 79 <br> Northbound |  |  |  |  | MARKET PLACE - GAS STATION Eastbound |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Start Time | Rght | Thru | Left | Other | App. Total | Rght | Thru | Left | Other | App. Total | Rght | Thru | Left | Other | App. Total | Rght | Thru | Left | Other | App. Total | Int. Total |
| Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Peak Hour for Entire Intersection Begins at 04:15 PM |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 04:15 PM | 13 | 31 | 0 | 0 | 44 | 0 | 0 | 0 | 0 | 0 | 0 | 47 | 55 | 0 | 102 | 58 | 0 | 12 | 0 | 70 | 216 |
| 04:30 PM | 9 | 53 | 0 | 0 | 62 | 0 | 0 | 0 | 0 | 0 | 0 | 48 | 76 | 0 | 124 | 62 | 0 | 5 | 0 | 67 | 253 |
| 04:45 PM | 12 | 31 | 0 | 0 | 43 | 0 | 0 | 0 | 0 | 0 | 0 | 51 | 68 | 0 | 119 | 61 | 0 | 9 | 0 | 70 | 232 |
| 05:00 PM | 10 | 44 | 0 | 0 | 54 | 0 | 0 | 0 | 0 | 0 | 0 | 45 | 55 | 0 | 100 | 64 | 0 | 13 | 0 | 77 | 231 |
| Total Volume | 44 | 159 | 0 | 0 | 203 | 0 | 0 | 0 | 0 | 0 | 0 | 191 | 254 | 0 | 445 | 245 | 0 | 39 | 0 | 284 | 932 |
| \% App. Total | 21.7 | 78.3 | 0 | 0 |  | 0 | 0 | 0 | 0 |  | 0 | 42.9 | 57.1 | 0 |  | 86.3 | 0 | 13.7 | 0 |  |  |
| PHF | . 846 | . 750 | . 000 | . 000 | . 819 | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 936 | . 836 | . 000 | . 897 | . 957 | . 000 | . 750 | . 000 | . 922 | . 921 |



File Name : \#4 CONVERSE\&COLFAXAM
Site Code : 00000000
Start Date : 9/11/2012
Page No : 1
Groups Printed- CAR - MEDIUM - HEAVY

|  | CONVERSE RD - SH 79 Southbound |  |  |  | COLFAX - US 36 Westbound |  |  |  | CONVERSE RD - SH 79 Northbound |  |  |  | COLFAX - US 36 Eastbound |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Start Time | Rght | Thru | Left | Other | Rght | Thru | Left | Other | Rght | Thru | Left | Other | Rght | Thru | Left | Other | Int. Total |
| 06:45 AM | 0 | 0 | 0 | 0 | 0 | 10 | 26 | 0 | 19 | 0 | 3 | 0 | 2 | 1 | 0 | 0 | 61 |
| Total | 0 | 0 | 0 | 0 | 0 | 10 | 26 | 0 | 19 | 0 | 3 | 0 | 2 | 1 | 0 | 0 | 61 |


| 07:00 AM | 0 | 0 | 0 | 0 | 0 | 3 | 35 | 0 | 39 | 0 | 4 | 0 | 7 | 7 | 0 | 0 | 95 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 07:15 AM | 0 | 0 | 0 | 0 | 0 | 5 | 37 | 0 | 38 | 0 | 7 | 0 | 8 | 3 | 0 | 0 | 98 |
| 07:30 AM | 0 | 0 | 0 | 0 | 0 | 3 | 44 | 0 | 51 | 0 | 4 | 0 | 7 | 16 | 0 | 0 | 125 |
| 07:45 AM | 0 | 0 | 0 | 0 | 0 | 4 | 71 | 0 | 39 | 0 | 8 | 0 | 9 | 8 | 0 | 0 | 139 |
| Total | 0 | 0 | 0 | 0 | 0 | 15 | 187 | 0 | 167 | 0 | 23 | 0 | 31 | 34 | 0 | 0 | 457 |


| 08:00 AM | 0 | 0 | 0 | 0 | 0 | 8 | 44 | 0 | 19 | 0 | 1 | 0 | 3 | 4 | 0 | 0 | 79 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 08:15 AM | 0 | 0 | 0 | 0 | 0 | 7 | 37 | 0 | 22 | 0 | 1 | 0 | 2 | 3 | 0 | 0 | 72 |
| 08:30 AM | 0 | 0 | 0 | 0 | 0 | 4 | 28 | 0 | 24 | 0 | 1 | 0 | 3 | 3 | 0 | 0 | 63 |
| Grand Total | 0 | 0 | 0 | 0 | 0 | 44 | 322 | 0 | 251 | 0 | 29 | 0 | 41 | 45 | 0 | 0 | 732 |
| Apprch \% | 0 | 0 | 0 | 0 | 0 | 12 | 88 | 0 | 89.6 | 0 | 10.4 | 0 | 47.7 | 52.3 | 0 | 0 |  |
| Total \% | 0 | 0 | 0 | 0 | 0 | 6 | 44 | 0 | 34.3 | 0 | 4 | 0 | 5.6 | 6.1 | 0 | 0 |  |
| CAR | 0 | 0 | 0 | 0 | 0 | 42 | 306 | 0 | 231 | 0 | 28 | 0 | 41 | 40 | 0 | 0 | 688 |
| \% CAR | 0 | 0 | 0 | 0 | 0 | 95.5 | 95 | 0 | 92 | 0 | 96.6 | 0 | 100 | 88.9 | 0 | 0 | 94 |
| MEDIUM | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 0 | 9 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 16 |
| \% MEDIUM | 0 | 0 | 0 | 0 | 0 | 2.3 | 1.2 | 0 | 3.6 | 0 | 0 | 0 | 0 | 4.4 | 0 | 0 | 2.2 |
| HEAVY | 0 | 0 | 0 | 0 | 0 | 1 | 12 | 0 | 11 | 0 | 1 | 0 | 0 | 3 | 0 | 0 | 28 |
| \% HEAVY | 0 | 0 | 0 | 0 | 0 | 2.3 | 3.7 | 0 | 4.4 | 0 | 3.4 | 0 | 0 | 6.7 | 0 | 0 | 3.8 |



All Traffic Data Services
Wheat Ridge,CO 80033
303-668-0220

> File Name $: \# 4$ CONVERSE\&COLFAXAM
> Site Code $: 00000000$
> Start Date $: 9 / 11 / 2012$
> Page No $: 2$

|  | CONVERSE RD - SH 79 Southbound |  |  |  |  | COLFAX - US 36 Westbound |  |  |  |  | CONVERSE RD - SH 79 Northbound |  |  |  |  | COLFAX - US 36 Eastbound |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Start Time | Rght | Thru | Left | Other | App. Total | Rght | Thru | Left | Other | App. Total | Rght | Thru | Left | Other | App. Total | Rght | Thru | Left | Other | App. Total | Int. Total |
| Peak Hour Analysis From 06:45 AM to 08:30 AM - Peak 1 of 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Peak Hour for Entire Intersection Begins at 07:00 AM |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 07:00 AM | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 35 | 0 | 38 | 39 | 0 | 4 | 0 | 43 | 7 | 7 | 0 | 0 | 14 | 95 |
| 07:15 AM | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 37 | 0 | 42 | 38 | 0 | 7 | 0 | 45 | 8 | 3 | 0 | 0 | 11 | 98 |
| 07:30 AM | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 44 | 0 | 47 | 51 | 0 | 4 | 0 | 55 | 7 | 16 | 0 | 0 | 23 | 125 |
| 07:45 AM | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 71 | 0 | 75 | 39 | 0 | 8 | 0 | 47 | 9 | 8 | 0 | 0 | 17 | 139 |
| Total Volume | 0 | 0 | 0 | 0 | 0 | 0 | 15 | 187 | 0 | 202 | 167 | 0 | 23 | 0 | 190 | 31 | 34 | 0 | 0 | 65 | 457 |
| \% App. Total | 0 | 0 | 0 | 0 |  | 0 | 7.4 | 92.6 | 0 |  | 87.9 | 0 | 12.1 | 0 |  | 47.7 | 52.3 | 0 | 0 |  |  |
| PHF | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 750 | . 658 | . 000 | . 673 | . 819 | . 000 | . 719 | . 000 | . 864 | . 861 | . 531 | . 000 | . 000 | . 707 | . 822 |



All Traffic Data Services
Wheat Ridge,CO 80033
303-668-0220
File Name : \#4 CONVERSE\&COLFAXPM
Site Code : 00000000
Start Date : 9/11/2012
Page No : 1
Groups Printed- CAR - MEDIUM - HEAVY

|  | CONVERSE RD - SH 79 Southbound |  |  |  | COLFAX - US 36 Westbound |  |  |  | CONVERSE RD - SH 79 Northbound |  |  |  | COLFAX - US 36 Eastbound |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Start Time | Rght | Thru | Left | Other | Rght | Thru | Left | Other | Rght | Thru | Left | Other | Rght | Thru | Left | Other | Int. Total |
| 04:00 PM | 0 | 0 | 0 | 0 | 0 | 5 | 63 | 0 | 44 | 0 | 3 | 0 | 5 | 14 | 0 | 0 | 134 |
| 04:15 PM | 0 | 0 | 0 | 0 | 0 | 5 | 65 | 0 | 58 | 0 | 5 | 0 | 8 | 7 | 0 | 0 | 148 |
| 04:30 PM | 0 | 0 | 0 | 0 | 0 | 4 | 52 | 0 | 49 | 0 | 4 | 0 | 10 | 14 | 0 | 0 | 133 |
| 04:45 PM | 0 | 0 | 0 | 0 | 0 | 5 | 36 | 0 | 57 | 0 | 6 | 0 | 6 | 12 | 0 | 0 | 122 |
| Total | 0 | 0 | 0 | 0 | 0 | 19 | 216 | 0 | 208 | 0 | 18 | 0 | 29 | 47 | 0 | 0 | 537 |


| 05:00 PM | 0 | 0 | 0 | 0 | 0 | 7 | 56 | 0 | 57 | 0 | 3 | 0 | 10 | 18 | 0 | 0 | 151 |
| ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| $05: 15 \mathrm{PM}$ | 0 | 0 | 0 | 0 | 0 | 4 | 46 | 0 | 49 | 0 | 4 | 2 | 7 | 14 | 0 | 2 | 128 |
| $05: 30 \mathrm{PM}$ | 0 | 0 | 0 | 0 | 0 | 6 | 36 | 0 | 66 | 0 | 4 | 0 | 4 | 9 | 0 | 0 | 125 |
| $05: 45 \mathrm{PM}$ | 0 | 0 | 0 | 0 | 0 | 7 | 31 | 0 | 42 | 0 | 7 | 0 | 8 | 4 | 0 | 0 | 99 |
| Total | 0 | 0 | 0 | 0 | 0 | 24 | 169 | 0 | 214 | 0 | 18 | 2 | 29 | 45 | 0 | 2 | 503 |


| Grand Total | 0 | 0 | 0 | 0 | 0 | 43 | 385 | 0 | 422 | 0 | 36 | 2 | 58 | 92 | 0 | 2 |
| ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| 1040 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Apprct \% | 0 | 0 | 0 | 0 | 0 | 10 | 90 | 0 | 91.7 | 0 | 7.8 | 0.4 | 38.2 | 60.5 | 0 | 1.3 |
| Total \% | 0 | 0 | 0 | 0 | 0 | 4.1 | 37 | 0 | 40.6 | 0 | 3.5 | 0.2 | 5.6 | 8.8 | 0 | 0.2 |
| CAR | 0 | 0 | 0 | 0 | 0 | 41 | 361 | 0 | 401 | 0 | 36 | 2 | 57 | 88 | 0 | 2 |
| CAR | 0 | 0 | 0 | 0 | 0 | 95.3 | 93.8 | 0 | 95 | 0 | 100 | 100 | 98.3 | 95.7 | 0 | 100 |
| MEDIUM | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 0 | 3 | 0 | 0 | 0 | 0 | 2 | 0 | 0 |
| MEDIUM | 0 | 0 | 0 | 0 | 0 | 2.3 | 0.8 | 0 | 0.7 | 0 | 0 | 0 | 0 | 2.2 | 0 | 0 |
| HEAVY | 0 | 0 | 0 | 0 | 0 | 1 | 21 | 0 | 18 | 0 | 0 | 0 | 1 | 2 | 0 | 0 |
| \% HEAVY | 0 | 0 | 0 | 0 | 0 | 2.3 | 5.5 | 0 | 4.3 | 0 | 0 | 0 | 1.7 | 2.2 | 0 | 0 |


|  | 0 0 0 0 <br> 0 0 0 0 <br> 0 0 0 0 <br> 0 0 0 0 <br> Rght Thru Left Other |  |
| :---: | :---: | :---: |
|  | ${ }_{c} \underset{\text { North }}{ }$ <br> 9/11/2012 04:00 PM <br> 9/11/2012 05:45 PM <br> CAR <br> MEDIUM <br> HEAVY |  |
|  |   |  |

All Traffic Data Services
Wheat Ridge,CO 80033
303-668-0220

> File Name $: \# 4$ CONVERSE\&COLFAXPM
> Site Code $: 00000000$
> Start Date $: 9 / 11 / 2012$
> Page No $: 2$

|  | CONVERSE RD - SH 79 Southbound |  |  |  |  | COLFAX - US 36 <br> Westbound |  |  |  |  | CONVERSE RD - SH 79 Northbound |  |  |  |  | COLFAX - US 36 Eastbound |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Start Time | Rght | Thru | Left | Other | App. Total | Rght | Thru | Left | Other | App. Total | Rght | Thru | Left | Other | App. Total | Rght | Thru | Left | Other | App. Total | Int. Total |
| Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Peak Hour for Entire Intersection Begins at 04:15 PM |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 04:15 PM | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 65 | 0 | 70 | 58 | 0 | 5 | 0 | 63 | 8 | 7 | 0 | 0 | 15 | 148 |
| 04:30 PM | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 52 | 0 | 56 | 49 | 0 | 4 | 0 | 53 | 10 | 14 | 0 | 0 | 24 | 133 |
| 04:45 PM | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 36 | 0 | 41 | 57 | 0 | 6 | 0 | 63 | 6 | 12 | 0 | 0 | 18 | 122 |
| 05:00 PM | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 56 | 0 | 63 | 57 | 0 | 3 | 0 | 60 | 10 | 18 | 0 | 0 | 28 | 151 |
| Total Volume | 0 | 0 | 0 | 0 | 0 | 0 | 21 | 209 | 0 | 230 | 221 | 0 | 18 | 0 | 239 | 34 | 51 | 0 | 0 | 85 | 554 |
| \% App. Total | 0 | 0 | 0 | 0 |  | 0 | 9.1 | 90.9 | 0 |  | 92.5 | 0 | 7.5 | 0 |  | 40 | 60 | 0 | 0 |  |  |
| PHF | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 750 | . 804 | . 000 | . 821 | . 953 | . 000 | . 750 | . 000 | . 948 | . 850 | . 708 | . 000 | . 000 | . 759 | . 917 |



File Name : \#5 ADAMS\&COLFAXAM
Site Code : 00000000
Start Date : 9/11/2012
Page No : 1
Groups Printed- CAR - MEDIUM - HEAVY

|  | ADAMS ST - SH 79 Southbound |  |  |  | COLFAX - US 36 Westbound |  |  |  | ADAMS ST - SH 79 Northbound |  |  |  | COLFAX - US 36 Eastbound |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Start Time | Rght | Thru | Left | Other | Rght | Thru | Left | Other | Rght | Thru | Left | Other | Rght | Thru | Left | Other | Int. Total |
| 06:45 AM | 30 | 0 | 2 | 0 | 11 | 14 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 4 | 24 | 0 | 87 |
| Total | 30 | 0 | 2 | 0 | 11 | 14 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | , | 24 | 0 | 87 |


| 07:00 AM | 34 | 1 | 6 | 0 | 11 | 12 | 1 | 0 | 3 | 1 | 0 | 0 | 0 | 5 | 36 | 0 | 110 |
| ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| 07:15 AM | 28 | 0 | 3 | 0 | 18 | 11 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 44 | 1 | 115 |
| 07:30 AM | 50 | 0 | 5 | 0 | 29 | 10 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 9 | 51 | 8 | 164 |
| 07:45 AM | 67 | 0 | 16 | 0 | 35 | 10 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 4 | 62 | 1 | 197 |
| Total | 179 | 1 | 30 | 0 | 93 | 43 | 3 | 0 | 3 | 4 | 0 | 0 | 1 | 26 | 193 | 10 | 586 |


| 08:00 AM | 51 | 0 | 13 | 0 | 25 | 14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 29 | 0 | 136 |
| ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| 08:15 AM | 37 | 1 | 2 | 0 | 18 | 11 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 5 | 18 | 0 | 93 |
| 08:30 AM | 33 | 0 | 5 | 0 | 12 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 22 | 0 | 93 |
| Grand Total | 330 | 2 | 52 | 0 | 159 | 92 | 3 | 0 | 4 | 4 | 1 | 0 | 2 | 50 | 286 | 10 | 995 |
| Apprch \% | 85.9 | 0.5 | 13.5 | 0 | 62.6 | 36.2 | 1.2 | 0 | 44.4 | 44.4 | 11.1 | 0 | 0.6 | 14.4 | 82.2 | 2.9 |  |
| Total \% | 33.2 | 0.2 | 5.2 | 0 | 16 | 9.2 | 0.3 | 0 | 0.4 | 0.4 | 0.1 | 0 | 0.2 | 5 | 28.7 | 1 |  |
| CAR | 319 | 2 | 49 | 0 | 137 | 88 | 2 | 0 | 0 | 3 | 1 | 0 | 2 | 47 | 263 | 10 | 923 |
| \% CAR | 96.7 | 100 | 94.2 | 0 | 86.2 | 95.7 | 66.7 | 0 | 0 | 75 | 100 | 0 | 100 | 94 | 92 | 100 | 92.8 |
| MEDIUM | 4 | 0 | 0 | 0 | 16 | 1 | 1 | 0 | 4 | 0 | 0 | 0 | 0 | 3 | 4 | 0 | 33 |
| \% MEDIUM | 1.2 | 0 | 0 | 0 | 10.1 | 1.1 | 33.3 | 0 | 100 | 0 | 0 | 0 | 0 | 6 | 1.4 | 0 | 3.3 |
| HEAVY | 7 | 0 | 3 | 0 | 6 | 3 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 19 | 0 | 39 |
| \% HEAVY | 2.1 | 0 | 5.8 | 0 | 3.8 | 3.3 | 0 | 0 | 0 | 25 | 0 | 0 | 0 | 0 | 6.6 | 0 | 3.9 |



All Traffic Data Services Wheat Ridge,CO 80033

303-668-0220

> File Name $: \# 5$ ADAMS\&COLFAXAM
> Site Code $: 00000000$
> Start Date $: 9 / 11 / 2012$
> Page No $: 2$

|  | ADAMS ST - SH 79 Southbound |  |  |  |  | COLFAX - US 36 <br> Westbound |  |  |  |  | ADAMS ST - SH 79 Northbound |  |  |  |  | COLFAX - US 36 Eastbound |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Start Time | Rght | Thru | Left | Other | App. Total | Rght | Thru | Left | Other | App. Total | Rght | Thru | Left | Other | App. Total | Rght | Thru | Left | Other | App. Total | Int. Total |
| Peak Hour Analysis From 06:45 AM to 08:30 AM - Peak 1 of 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Peak Hour for Entire Intersection Begins at 07:15 AM |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 07:15 AM | 28 | 0 | 3 | 0 | 31 | 18 | 11 | 2 | 0 | 31 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 44 | 1 | 53 | 115 |
| 07:30 AM | 50 | 0 | 5 | 0 | 55 | 29 | 10 | 0 | 0 | 39 | 0 | 2 | 0 | 0 | 2 | 0 | 9 | 51 | 8 | 68 | 164 |
| 07:45 AM | 67 | 0 | 16 | 0 | 83 | 35 | 10 | 0 | 0 | 45 | 0 | 1 | 0 | 0 | 1 | 1 | 4 | 62 | 1 | 68 | 197 |
| 08:00 AM | 51 | 0 | 13 | 0 | 64 | 25 | 14 | 0 | 0 | 39 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 29 | 0 | 33 | 136 |
| Total Volume | 196 | 0 | 37 | 0 | 233 | 107 | 45 | 2 | 0 | 154 | 0 | 3 | 0 | 0 | 3 | 1 | 25 | 186 | 10 | 222 | 612 |
| \% App. Total | 84.1 | 0 | 15.9 | 0 |  | 69.5 | 29.2 | 1.3 | 0 |  | 0 | 100 | 0 | 0 |  | 0.5 | 11.3 | 83.8 | 4.5 |  |  |
| PHF | . 731 | . 000 | . 578 | . 000 | . 702 | . 764 | . 804 | . 250 | . 000 | . 856 | . 000 | . 375 | . 000 | . 000 | . 375 | . 250 | . 694 | . 750 | . 313 | . 816 | . 777 |



> File Name $: \# 5$ ADAMS\&COLFAXPM
> Site Code $: 00000000$
> Start Date $: 9 / 11 / 2012$
> Page No $: 1$

Groups Printed- CAR - MEDIUM - HEAVY

|  | ADAMS ST - SH 79 Southbound |  |  |  | COLFAX - US 36 Westbound |  |  |  | ADAMS ST - SH 79 Northbound |  |  |  | COLFAX - US 36 Eastbound |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Start Time | Rght | Thru | Left | Other | Rght | Thru | Left | Other | Rght | Thru | Left | Other | Rght | Thru | Left | Other | Int. Total |
| 04:00 PM | 43 | 1 | 10 | 0 | 10 | 10 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 7 | 36 | 0 | 118 |
| 04:15 PM | 78 | 1 | 27 | 0 | 12 | 15 | 1 | 3 | 0 | 1 | 1 | 3 | 1 | 12 | 64 | 3 | 222 |
| 04:30 PM | 55 | 1 | 14 | 0 | 21 | 12 | 0 | 1 | 0 | 2 | 0 | 0 | 0 | 13 | 65 | 2 | 186 |
| 04:45 PM | 38 | 0 | 13 | 0 | 10 | 10 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 14 | 55 | 1 | 143 |
| Total | 214 | 3 | 64 | 0 | 53 | 47 | 1 | 4 | 0 | 4 | 3 | 3 | 1 | 46 | 220 | 6 | 669 |
| 05:00 PM | 39 | 1 | 9 | 0 | 16 | 20 | 0 | 0 | 0 | 2 | 0 | 0 | 2 | 32 | 57 | 0 | 178 |
| 05:15 PM | 50 | 0 | 10 | 0 | 17 | 14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17 | 47 | 0 | 155 |
| 05:30 PM | 37 | 0 | 10 | 0 | 17 | 11 | 0 | 2 | 0 | 0 | 0 | , | 2 | 15 | 66 | 0 | 161 |
| 05:45 PM | 30 | 0 | 13 | 0 | 20 | 14 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 10 | 54 | 0 | 145 |
| Total | 156 | 1 | 42 | 0 | 70 | 59 | 0 | 2 | 0 | 3 | 1 | 2 | 5 | 74 | 224 | 0 | 639 |
| Grand Total | 370 | 4 | 106 | 0 | 123 | 106 | 1 | 6 | 0 | 7 | 4 | 5 | 6 | 120 | 444 | 6 | 1308 |
| Apprch \% | 77.1 | 0.8 | 22.1 | 0 | 52.1 | 44.9 | 0.4 | 2.5 | 0 | 43.8 | 25 | 31.2 | 1 | 20.8 | 77.1 | 1 |  |
| Total \% | 28.3 | 0.3 | 8.1 | 0 | 9.4 | 8.1 | 0.1 | 0.5 | 0 | 0.5 | 0.3 | 0.4 | 0.5 | 9.2 | 33.9 | 0.5 |  |
| CAR | 348 | 2 | 97 | 0 | 110 | 104 | 1 | 6 | 0 | 7 | 4 | 5 | 6 | 117 | 423 | 6 | 1236 |
| \% CAR | 94.1 | 50 | 91.5 | 0 | 89.4 | 98.1 | 100 | 100 | 0 | 100 | 100 | 100 | 100 | 97.5 | 95.3 | 100 | 94.5 |
| MEDIUM | 2 | 1 | 3 | 0 | 4 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 0 | 16 |
| \% MEDIUM | 0.5 | 25 | 2.8 | 0 | 3.3 | 1.9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.8 | 0.7 | 0 | 1.2 |
| HEAVY | 20 | 1 | 6 | 0 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 18 | 0 | 56 |
| \% HEAVY | 5.4 | 25 | 5.7 | 0 | 7.3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.7 | 4.1 | 0 | 4.3 |



All Traffic Data Services Wheat Ridge,CO 80033

303-668-0220

> File Name $: \# 5$ ADAMS\&COLFAXPM
> Site Code $: 00000000$
> Start Date $: 9 / 11 / 2012$
> Page No $: 2$

|  | ADAMS ST - SH 79 Southbound |  |  |  |  | COLFAX - US 36 <br> Westbound |  |  |  |  | ADAMS ST - SH 79 Northbound |  |  |  |  | COLFAX - US 36 <br> Eastbound |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Start Time | Rght | Thru | Left | Other | App. Total | Rght | Thru | Left | Other | App. Total | Rght | Thru | Left | Other | App. Total | Rght | Thru | Left | Other | App. Total | Int. Total |
| Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Peak Hour for Entire Intersection Begins at 04:15 PM |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 04:15 PM | 78 | 1 | 27 | 0 | 106 | 12 | 15 | 1 | 3 | 31 | 0 | 1 | 1 | 3 | 5 | 1 | 12 | 64 | 3 | 80 | 222 |
| 04:30 PM | 55 | 1 | 14 | 0 | 70 | 21 | 12 | 0 | 1 | 34 | 0 | 2 | 0 | 0 | 2 | 0 | 13 | 65 | 2 | 80 | 186 |
| 04:45 PM | 38 | 0 | 13 | 0 | 51 | 10 | 10 | 0 | 0 | 20 | 0 | 1 | 1 | 0 | 2 | 0 | 14 | 55 | 1 | 70 | 143 |
| 05:00 PM | 39 | 1 | 9 | 0 | 49 | 16 | 20 | 0 | 0 | 36 | 0 | 2 | 0 | 0 | 2 | 2 | 32 | 57 | 0 | 91 | 178 |
| Total Volume | 210 | 3 | 63 | 0 | 276 | 59 | 57 | 1 | 4 | 121 | 0 | 6 | 2 | 3 | 11 | 3 | 71 | 241 | 6 | 321 | 729 |
| \% App. Total | 76.1 | 1.1 | 22.8 | 0 |  | 48.8 | 47.1 | 0.8 | 3.3 |  | 0 | 54.5 | 18.2 | 27.3 |  | 0.9 | 22.1 | 75.1 | 1.9 |  |  |
| PHF | . 673 | . 750 | . 583 | . 000 | . 651 | . 702 | . 713 | . 250 | . 333 | . 840 | . 000 | . 750 | . 500 | . 250 | . 550 | . 375 | . 555 | . 927 | . 500 | . 882 | . 821 |



All Traffic Data Services
Wheat Ridge,CO 80033
303-668-0220
File Name : \#6 ADAMS\&PALMERAM
Site Code : 00000000
Start Date : 9/11/2012
Page No : 1
Groups Printed- CAR - MEDIUM - HEAVY

|  | ADAMS ST - SH 79 Southbound |  |  |  | PALMER AVE Westbound |  |  |  | ADAMS ST - SH 79 Northbound |  |  |  | PALMER AVE Eastbound |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Start Time |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Int. Total |
| 06:45 AM | 0 | 0 | 0 | 0 | 0 | 1 | 17 | 0 | 19 | 0 | 9 | 0 | 13 | 0 | 0 | 0 | 59 |
| Total | 0 | 0 | 0 | 0 | 0 | 1 | 17 | 0 | 19 | 0 | 9 | 0 | 13 | 0 | 0 | 0 | 59 |
| 07:00 AM | 0 | 0 | 0 | 0 | 0 | 1 | 17 | 0 | 51 | 0 | 6 | 0 | 11 | 0 | 0 | 1 | 87 |
| 07:15 AM | 0 | 0 | 0 | 0 | 0 | 4 | 30 | 0 | 62 | 0 | 4 | 0 | 11 | 0 | 0 | 0 | 111 |
| 07:30 AM | 0 | 0 | 0 | 0 | 0 | 6 | 48 | 0 | 79 | 0 | 3 | 0 | 12 | 0 | 0 | 4 | 152 |
| 07:45 AM | 0 | 0 | 0 | 0 | 0 | 12 | 76 | 0 | 91 | 0 | 6 | 0 | 11 | 0 | 0 | 1 | 197 |
| Total | 0 | 0 | 0 | 0 | 0 | 23 | 171 | 0 | 283 | 0 | 19 | 0 | 45 | 0 | 0 | 6 | 547 |
| 08:00 AM | 0 | 0 | 0 | 0 | 0 | 10 | 50 | 0 | 41 | 0 | 6 | 0 | 10 | 0 | 0 | 0 | 117 |
| 08:15 AM | 0 | 0 | 0 | 0 | 0 | 5 | 31 | 0 | 26 | 0 | 10 | 0 | 11 | 0 | 0 | 0 | 83 |
| 08:30 AM | 0 | 0 | 0 | 0 | 0 | 4 | 21 | 0 | 30 | 0 | 5 | 0 | 9 | 0 | 0 | 0 | 69 |
| Grand Total | 0 | 0 | 0 | 0 | 0 | 43 | 290 | 0 | 399 | 0 | 49 | 0 | 88 | 0 | 0 | 6 | 875 |
| Apprch \% | 0 | 0 | 0 | 0 | 0 | 12.9 | 87.1 | 0 | 89.1 | 0 | 10.9 | 0 | 93.6 | 0 | 0 | 6.4 |  |
| Total \% | 0 | 0 | 0 | 0 | 0 | 4.9 | 33.1 | 0 | 45.6 | 0 | 5.6 | 0 | 10.1 | 0 | 0 | 0.7 |  |
| CAR | 0 | 0 | 0 | 0 | 0 | 39 | 274 | 0 | 356 | 0 | 49 | 0 | 85 | 0 | 0 | 6 | 809 |
| \% CAR | 0 | 0 | 0 | 0 | 0 | 90.7 | 94.5 | 0 | 89.2 | 0 | 100 | 0 | 96.6 | 0 | 0 | 100 | 92.5 |
| MEDIUM | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 0 | 21 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 27 |
| \% MEDIUM | 0 | 0 | 0 | 0 | 0 | 2.3 | 1.4 | 0 | 5.3 | 0 | 0 | 0 | 1.1 | 0 | 0 | 0 | 3.1 |
| HEAVY | 0 | 0 | 0 | 0 | 0 | 3 | 12 | 0 | 22 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 39 |
| \% HEAVY | 0 | 0 | 0 | 0 | 0 | 7 | 4.1 | 0 | 5.5 | 0 | 0 | 0 | 2.3 | 0 | 0 | 0 | 4.5 |


|  |  |  |
| :---: | :---: | :---: |
|  | $\stackrel{\uparrow}{\text { North }}$ <br> 9/11/2012 06:45 AM <br> 9/11/2012 08:30 AM <br> CAR <br> MEDIUM <br> HEAVY |  |
|  |  |  |

All Traffic Data Services
Wheat Ridge,CO 80033
303-668-0220
File Name : \#6 ADAMS\&PALMERAM
Site Code : 00000000
Start Date : 9/11/2012
Page No :2

|  | ADAMS ST - SH 79 Southbound |  |  |  |  | PALMER AVE Westbound |  |  |  |  | ADAMS ST - SH 79 Northbound |  |  |  |  | PALMER AVE Eastbound |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Start Time | Rght | Thru | Left | Other | App. Total | Rght | Thru | Left | Other | App. Total | Rght | Thru | Left | Other | App. Total | Rght | Thru | Left | Other | App. Total | Int. Total |
| Peak Hour Analysis From 06:45 AM to 08:30 AM - Peak 1 of 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Peak Hour for Entire Intersection Begins at 07:15 AM |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 07:15 AM | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 30 | 0 | 34 | 62 | 0 | 4 | 0 | 66 | 11 | 0 | 0 | 0 | 11 | 111 |
| 07:30 AM | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 48 | 0 | 54 | 79 | 0 | 3 | 0 | 82 | 12 | 0 | 0 | 4 | 16 | 152 |
| 07:45 AM | 0 | 0 | 0 | 0 | 0 | 0 | 12 | 76 | 0 | 88 | 91 | 0 | 6 | 0 | 97 | 11 | 0 | 0 | 1 | 12 | 197 |
| 08:00 AM | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 50 | 0 | 60 | 41 | 0 | 6 | 0 | 47 | 10 | 0 | 0 | 0 | 10 | 117 |
| Total Volume | 0 | 0 | 0 | 0 | 0 | 0 | 32 | 204 | 0 | 236 | 273 | 0 | 19 | 0 | 292 | 44 | 0 | 0 | 5 | 49 | 577 |
| \% App. Total | 0 | 0 | 0 | 0 |  | 0 | 13.6 | 86.4 | 0 |  | 93.5 | 0 | 6.5 | 0 |  | 89.8 | 0 | 0 | 10.2 |  |  |
| PHF | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 667 | . 671 | . 000 | . 670 | . 750 | . 000 | . 792 | . 000 | . 753 | . 917 | . 000 | . 000 | . 313 | . 766 | . 732 |



|  | ADAMS ST - SH 79 Southbound |  |  |  | PALMER AVE Westbound |  |  |  | ADAMS ST - SH 79 Northbound |  |  |  | PALMER AVE Eastbound |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Start Time | Rght | Thru | Left | Other | Rght | Thru | Left | Other | Rght | Thru | Left | Other | Rght | Thru | Left | Other | Int. Total |
| 04:00 PM | 0 | 0 | 0 | 0 | 0 | 14 | 68 | 0 | 56 | 0 | 11 | 0 | 14 | 0 | 0 | 0 | 163 |
| 04:15 PM | 0 | 0 | 0 | 0 | 0 | 14 | 69 | 0 | 70 | 0 | 17 | 0 | 16 | 0 | 0 | 8 | 194 |
| 04:30 PM | 0 | 0 | 0 | 0 | 0 | 5 | 54 | 0 | 61 | 0 | 20 | 0 | 16 | 0 | 0 | 1 | 157 |
| 04:45 PM | 0 | 0 | 0 | 0 | 0 | 4 | 29 | 0 | 43 | 0 | 24 | 0 | 16 | 0 | 0 | 1 | 117 |
| Total | 0 | 0 | 0 | 0 | 0 | 37 | 220 | 0 | 230 | 0 | 72 | 0 | 62 | 0 | 0 | 10 | 631 |
| 05:00 PM | 0 | 0 | 0 | 0 | 0 | 2 | 43 | 0 | 45 | 0 | 27 | 0 | 16 | 0 | 0 | 0 | 133 |
| 05:15 PM | 0 | 0 | 0 | 0 | 0 | 3 | 39 | 0 | 39 | 0 | 20 | 0 | 12 | 0 | 0 | 2 | 115 |
| 05:30 PM | 0 | 0 | 0 | 0 | 0 | 3 | 32 | 0 | 52 | 0 | 30 | 0 | 13 | 0 | 0 | 1 | 131 |
| 05:45 PM | 0 | 0 | 0 | 0 | 0 | 4 | 27 | 0 | 40 | 0 | 23 | 0 | 16 | 0 | 0 | 0 | 110 |
| Total | 0 | 0 | 0 | 0 | 0 | 12 | 141 | 0 | 176 | 0 | 100 | 0 | 57 | 0 | 0 | 3 | 489 |
| Grand Total | 0 | 0 | 0 | 0 | 0 | 49 | 361 | 0 | 406 | 0 | 172 | 0 | 119 | 0 | 0 | 13 | 1120 |
| Apprch \% | 0 | 0 | 0 | 0 | 0 | 12 | 88 | 0 | 70.2 | 0 | 29.8 | 0 | 90.2 | 0 | 0 | 9.8 |  |
| Total \% | 0 | 0 | 0 | 0 | 0 | 4.4 | 32.2 | 0 | 36.2 | 0 | 15.4 | 0 | 10.6 | 0 | 0 | 1.2 |  |
| CAR | 0 | 0 | 0 | 0 | 0 | 45 | 325 | 0 | 374 | 0 | 170 | 0 | 117 | 0 | 0 | 13 | 1044 |
| \% CAR | 0 | 0 | 0 | 0 | 0 | 91.8 | 90 | 0 | 92.1 | 0 | 98.8 | 0 | 98.3 | 0 | 0 | 100 | 93.2 |
| MEDIUM | 0 | 0 | 0 | 0 | 0 | 1 | 7 | 0 | 7 | 0 | 2 | 0 | 2 | 0 | 0 | 0 | 19 |
| \% MEDIUM | 0 | 0 | 0 | 0 | 0 | 2 | 1.9 | 0 | 1.7 | 0 | 1.2 | 0 | 1.7 | 0 | 0 | 0 | 1.7 |
| HEAVY | 0 | 0 | 0 | 0 | 0 | 3 | 29 | 0 | 25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 57 |
| \% HEAVY | 0 | 0 | 0 | 0 | 0 | 6.1 | 8 | 0 | 6.2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5.1 |


|  | Rght Thru Left Other $\downarrow \square$ |  |
| :---: | :---: | :---: |
|  |  <br> North <br> 9/111/2012 04:00 PM <br> 9/11/2012 05:45 PM <br> CAR <br> MEDIUM <br> HEAVY |  |
|  |   <br> ADAMS ST - SH 79 |  |

## All Traffic Data Services Wheat Ridge,CO 80033 <br> 303-668-0220

> File Name : $\# 6$ ADAMS\&PALMERPM
> Site Code $: 00000000$
> Start Date $: 9 / 11 / 2012$
> Page No $: 2$

|  | ADAMS ST - SH 79 Southbound |  |  |  |  | PALMER AVE Westbound |  |  |  |  | ADAMS ST - SH 79 Northbound |  |  |  |  | PALMER AVE Eastbound |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Start Time | Rght | Thru | Left | Other | App. Total | Rght | Thru | Left | Other | App. Total | Rght | Thru | Left | Other | App. Total | Rght | Thru | Left | Other | App. Total | Int. Total |
| Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Peak Hour for Entire Intersection Begins at 04:00 PM |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 04:00 PM | 0 | 0 | 0 | 0 | 0 | 0 | 14 | 68 | 0 | 82 | 56 | 0 | 11 | 0 | 67 | 14 | 0 | 0 | 0 | 14 | 163 |
| 04:15 PM | 0 | 0 | 0 | 0 | 0 | 0 | 14 | 69 | 0 | 83 | 70 | 0 | 17 | 0 | 87 | 16 | 0 | 0 | 8 | 24 | 194 |
| 04:30 PM | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 54 | 0 | 59 | 61 | 0 | 20 | 0 | 81 | 16 | 0 | 0 | 1 | 17 | 157 |
| 04:45 PM | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 29 | 0 | 33 | 43 | 0 | 24 | 0 | 67 | 16 | 0 | 0 | 1 | 17 | 117 |
| Total Volume | 0 | 0 | 0 | 0 | 0 | 0 | 37 | 220 | 0 | 257 | 230 | 0 | 72 | 0 | 302 | 62 | 0 | 0 | 10 | 72 | 631 |
| \% App. Total | 0 | 0 | 0 | 0 |  | 0 | 14.4 | 85.6 | 0 |  | 76.2 | 0 | 23.8 | 0 |  | 86.1 | 0 | 0 | 13.9 |  |  |
| PHF | . 000 | . 000 | . 000 | . 000 | . 000 | . 000 | . 661 | . 797 | . 000 | . 774 | . 821 | . 000 | . 750 | . 000 | . 868 | . 969 | . 000 | . 000 | . 313 | . 750 | . 813 |



Appendix B Origin-Destination Study Routes


## Colfax Avenue (west of Penrith Rd)

 SH 79 and Kiowa-Bennett Corridor PEL Study Pass-Through Traffic

## SH 79 and Kiowa-Bennett Corridor PEL Study



## Colfax Avenue (east of Kiowa-Bennett Rd)

 SH 79 and Kiowa-Bennett Corridor PEL StudyPass-Through Traffic



Appendix C

## Travel Demand Forecasting Model Information

Exhibit 3
SH-79 PEL Study
Household and Employment Disaggregation

| Original TAZ | New TAZs | $2010$ <br> Population | 2035 <br> Population | $2010$ <br> Households | $2035$ <br> Households | $\begin{gathered} \text { Avg HH } \\ \text { Size } \\ 2010 \end{gathered}$ | $\begin{gathered} \text { Avg HH } \\ \text { Size } \\ 2035 \end{gathered}$ | $\begin{gathered} \text { Total Employment } \\ 2010 \end{gathered}$ | Total Employment 2035 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 994 | 994 |  |  | 527 | 617 |  |  | 73 | 141 |
|  | 2833 |  |  | 17 | 20 |  |  | 0 | 0 |
|  | 2834 |  |  | 16 | 18 |  |  | 0 | 0 |
|  | 2835 |  |  | 5 | 6 |  |  | 0 | 0 |
|  | Subtotal | 1,505 | 1,730 | 564 | 661 | 2.67 | 2.62 | 73 | 141 |
| 995 | 995 |  |  | 53 | 54 |  |  | 13 | 19 |
|  | 2836 |  |  | 31 | 32 |  |  | 8 | 14 |
|  | 2837 |  |  | 16 | 16 |  |  | 21 | 24 |
|  | Subtotal | 274 | 273 | 100 | 102 | 2.74 | 2.68 | 42 | 57 |
| 996 | 996 |  |  | 418 | 422 |  |  | 64 | 121 |
|  | 2838 |  |  | 33 | 35 |  |  | 0 | 8 |
|  | Subtotal | 1,200 | 1,193 | 451 | 457 | 2.66 | 2.61 | 64 | 129 |
| 997 | 997 |  |  | 11 | 91 |  |  | 0 | 0 |
|  | 2839 |  |  | 2 | 91 |  |  | 0 | 0 |
|  | 2840 |  |  | 0 | 181 |  |  | 16 | 21 |
|  | 2841 |  |  | 22 | 429 |  |  | 27 | 47 |
|  | 2842 |  |  | 54 | 658 |  |  | 27 | 48 |
|  | 2843 |  |  | 565 | 859 |  |  | 228 | 364 |
|  | Subtotal | 1,740 | 6,020 | 654 | 2,309 | 2.66 | 2.61 | 299 | 480 |
| 998 | 998 |  |  | 10 | 14 |  |  | 0 | 0 |
|  | 2844 |  |  | 20 | 29 |  |  | 0 | 0 |
|  | 2845 |  |  | 13 | 18 |  |  | 7 | 30 |
|  | 2846 |  |  | 34 | 48 |  |  | 0 | 0 |
|  | Subtotal | 210 | 290 | 77 | 108 | 2.73 | 2.69 | 7 | 30 |
| 999 | 999 |  |  | 1 | 20 |  |  | 0 | 0 |
|  | 2847 |  |  | 1 | 20 |  |  | 0 | 0 |
|  | 2848 |  |  | 0 | 28 |  |  | 0 | 0 |
|  | 2849 |  |  | 28 | 58 |  |  | 0 | 0 |
|  | 2850 |  |  | 0 | 38 |  |  | 0 | 0 |
|  | 2851 |  |  | 0 | 56 |  |  | 0 | 0 |
|  | 2852 |  |  | 0 | 19 |  |  | 0 | 0 |
|  | 2853 |  |  | 1 | 20 |  |  | 0 | 0 |
|  | 2854 |  |  | 11 | 27 |  |  | 0 | 0 |
|  | 2855 |  |  | 2 | 20 |  |  | 0 | 0 |
|  | 2856 |  |  | 0 | 601 |  |  | 0 | 0 |
|  | 2857 |  |  | 0 | 401 |  |  | 0 | 0 |
|  | 2858 |  |  | 8 | 401 |  |  | 0 | 0 |
|  | 2859 |  |  | 0 | 401 |  |  | 0 | 0 |
|  | 2860 |  |  | 2 | 2 |  |  | 0 | 53 |
|  | 2861 |  |  | 258 | 187 |  |  | 0 | 0 |
|  | 2862 |  |  | 208 | 151 |  |  | 154 | 100 |
|  | 2863 |  |  | 0 | 0 |  |  | 0 | 53 |
|  | 2864 |  |  | 0 | 280 |  |  | 0 | 32 |
|  | 2865 |  |  | 0 | 0 |  |  | 0 | 0 |
|  | 2866 |  |  | 165 | 195 |  |  | 0 | 0 |
|  | 2867 |  |  | 0 | 195 |  |  | 0 | 0 |
|  | 2868 |  |  | 0 | 0 |  |  | 0 | 53 |
|  | 2869 |  |  | 179 | 195 |  |  | 26 | 17 |
|  | 2870 |  |  | 1 | 195 |  |  | 0 | 0 |

Exhibit 3
SH-79 PEL Study
Household and Employment Disaggregation

| Original TAZ | New TAZs | $2010$ <br> Population | $2035$ <br> Population | 2010 <br> Households | $2035$ <br> Households | $\begin{gathered} \text { Avg HH } \\ \text { Size } \\ 2010 \end{gathered}$ | $\begin{gathered} \text { Avg HH } \\ \text { Size } \\ 2035 \end{gathered}$ | $\begin{gathered} \text { Total Employment } \\ 2010 \end{gathered}$ | Total Employment 2035 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2871 |  |  | 1 | 1 |  |  | 0 | 53 |
|  | 2872 |  |  | 197 | 244 |  |  | 163 | 106 |
|  | 2873 |  |  | 18 | 122 |  |  | 0 | 208 |
|  | 2874 |  |  | 33 | 24 |  |  | 0 | 0 |
|  | 2875 |  |  | 2 | 158 |  |  | 0 | 32 |
|  | 2876 |  |  | 0 | 469 |  |  | 0 | 208 |
|  | 2877 |  |  | 3 | 469 |  |  | 0 | 208 |
|  | 2878 |  |  | 9 | 6 |  |  | 0 | 0 |
|  | 2879 |  |  | 6 | 4 |  |  | 0 | 32 |
|  | 2880 |  |  | 2 | 40 |  |  | 0 | 0 |
|  | 2881 |  |  | 0 | 0 |  |  | 0 | 0 |
|  | 2882 |  |  | 1 | 40 |  |  | 0 | 0 |
|  | 2883 |  |  | 82 | 59 |  |  | 0 | 0 |
|  | Subtotal | 3,299 | 13,615 | 1,221 | 5,143 | 2.70 | 2.65 | 343 | 1,154 |
| 1002 | 1002 | 125 | 126 | 45 | 46 | 2.78 | 2.74 | 150 | 224 |
| 1003 | 1003 | 308 | 307 | 108 | 110 | 2.85 | 2.79 | 4 | 11 |
| 1004 | 1004 | 8 | 8 | 3 | 3 | 2.67 | 2.67 | 81 | 4,340 |
| 1005 | 1005 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0 | 0 |
| 1006 | 1006 | 367 | 475 | 132 | 175 | 2.78 | 2.71 | 29 | 574 |
| 1264 | 1264 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 6 | 6 |
| 1265 | 1265 | 510 | 2,256 | 181 | 817 | 2.82 | 2.76 | 28 | 144 |
| 1951 | 1951 | 16 | 60 | 6 | 22 | 2.67 | 2.73 | 0 | 0 |
| 1952 | 1952 | 103 | 103 | 38 | 39 | 2.71 | 2.64 | 18 | 22 |
| 1953 | 1953 |  |  | 242 | 752 |  |  | 42 | 68 |
|  | 2884 |  |  | 8 | 30 |  |  | 0 | 5 |
|  | 2885 |  |  | 16 | 64 |  |  | 0 | 6 |
|  | 2886 |  |  | 13 | 47 |  |  | 2 | 6 |
|  | 2887 |  |  | 13 | 47 |  |  | 3 | 8 |
|  | 2888 |  |  | 8 | 34 |  |  | 0 | 3 |
|  | 2889 |  |  | 4 | 17 |  |  | 0 | 2 |
|  | 2890 |  |  | 8 | 34 |  |  | 0 | 3 |
|  | 2891 |  |  | 8 | 34 |  |  | 0 | 3 |
|  | 2892 |  |  | 17 | 38 |  |  | 0 | 6 |
|  | 2893 |  |  | 84 | 68 |  |  | 16 | 15 |
|  | 2894 |  |  | 16 | 14 |  |  | 2 | 3 |
|  | 2895 |  |  | 63 | 234 |  |  | 10 | 38 |
|  | 2896 |  |  | 126 | 298 |  |  | 21 | 32 |
|  | 2897 |  |  | 8 | 31 |  |  | 0 | 3 |
|  | Subtotal | 1,681 | 4,510 | 636 | 1,742 | 2.64 | 2.59 | 96 | 200 |
|  | 1954 |  |  | 1 | 1 |  |  | 1 | 1 |
|  | 2898 |  |  | 0 | 0 |  |  | 0 | 0 |
|  | 2899 |  |  | 11 | 11 |  |  | 6 | 9 |
|  | 2900 |  |  | 29 | 29 |  |  | 6 | 5 |
|  | 2901 |  |  | 15 | 15 |  |  | 2 | 2 |
|  | 2902 |  |  | 3 | 3 |  |  | 2 | 2 |
|  | 2903 |  |  | 1 | 1 |  |  | 1 | 1 |
|  | 2904 |  |  | 106 | 105 |  |  | 58 | 86 |
|  | 2905 |  |  | 0 | 0 |  |  | 0 | 0 |
|  | 2906 |  |  | 0 | 0 |  |  | 0 | 0 |

Exhibit 3
SH-79 PEL Study
Household and Employment Disaggregation

| Original TAZ | New TAZs | $2010$ <br> Population | $2035$ <br> Population | $2010$ <br> Households | 2035 <br> Households | $\begin{gathered} \text { Avg HH } \\ \text { Size } \\ 2010 \end{gathered}$ | $\begin{gathered} \text { Avg HH } \\ \text { Size } \\ 2035 \end{gathered}$ | Total Employment 2010 | Total Employment 2035 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1954 | 2907 |  |  | 11 | 11 |  |  | 6 | 9 |
|  | 2908 |  |  | 44 | 44 |  |  | 17 | 12 |
|  | 2909 |  |  | 29 | 48 |  |  | 10 | 23 |
|  | 2910 |  |  | 98 | 145 |  |  | 46 | 100 |
|  | 2911 |  |  | 29 | 29 |  |  | 8 | 6 |
|  | 2912 |  |  | 78 | 77 |  |  | 22 | 16 |
|  | 2913 |  |  | 44 | 44 |  |  | 12 | 9 |
|  | 2914 |  |  | 25 | 39 |  |  | 10 | 12 |
|  | 2915 |  |  | 83 | 82 |  |  | 23 | 17 |
|  | 2916 |  |  | 385 | 394 |  |  | 22 | 74 |
|  | Subtotal | 2,619 | 2,781 | 993 | 1,076 | 2.64 | 2.58 | 251 | 383 |
| 1955 | 1955 |  |  | 340 | 496 |  |  | 102 | 148 |
|  | 2917 |  |  | 2 | 41 |  |  | 4 | 21 |
|  | 2918 |  |  | 36 | 319 |  |  | 16 | 35 |
|  | Subtotal | 994 | 2,208 | 378 | 857 | 2.63 | 2.58 | 122 | 203 |
| 1956 | 1956 | 2,383 | 9,532 | 920 | 3,756 | 2.59 | 2.54 | 205 | 446 |
| 1958 | 1958 | 236 | 235 | 89 | 90 | 2.65 | 2.61 | 27 | 30 |
| 1959 | 1959 | 37 | 36 | 14 | 14 | 2.64 | 2.57 | 5 | 4 |
| 1991 | 1991 | 2,618 | 14,964 | 1,003 | 5,852 | 2.61 | 2.56 | 25 | 1,294 |
| 1992 | 1992 | 387 | 2,074 | 146 | 799 | 2.65 | 2.60 | 468 | 565 |
| 2002 | 2002 | 5 | 5 | 2 | 2 | 2.50 | 2.50 | 0 | 0 |
| 2003 | 2003 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0 | 0 |


| New 2012 | Original | 20,625 | 62,801 | 7,761 | 24,180 | 2.66 | 2.60 | 2,343 | 10,437 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Data | After Splits | 20,622 | 62,801 | 7,760 | 24,180 | 2.66 | 2.60 | 2,343 | 10,437 |


| 2009 Data | Original | 19,937 | 79,885 | 7,454 | 30,502 | 2.67 | 2.62 | 2,021 | 17,248 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | After Splits | 19,937 | 79,885 | 7,453 | 30,502 | 2.68 | 2.62 | 2,021 | 17,248 |


| Difference | Original | 688 | -17,084 | 307 | -6,322 | -0.02 | -0.02 | 322 | -6,811 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | After Splits | 685 | -17,084 | 307 | -6,322 | -0.02 | -0.02 | 322 | -6,811 |
| Percent Difference | Original | 3.5\% | -21.4\% | 4.1\% | -20.7\% | -0.6\% | -0.8\% | 15.9\% | -39.5\% |
|  | After Splits | 3.4\% | -21.4\% | 4.1\% | -20.7\% | -0.7\% | -0.8\% | 15.9\% | -39.5\% |

Legend 2010 Facility Type —— Interstate/Freeways -_ Expressways -_Principal Arterials - Minor Arterials

## ——Collectors

$\square$ Ramps

- Interchanges


## Cities

$\square$ Auro


Bennett

Strasburg

## 2

Study Area County Boundary

X: Total Number of Lanes


## Legend

 2010 Facility Type —— Interstate/Freeways—— Expressways —— Principal Arterials —— Minor Arterials——Collectors

- Ramps
------County Boundary

X: Total Number of Lanes


Legend 2035 Facility Type —— Interstate/Freeways -_ Expressways __ Principal Arterials - Minor Arterials
——Collectors
$\square$ Ramps

- Interchanges


## Cities

Auror


Bennett
Byers
Strasburg
مemed
Study Area County Boundary

X: Total Number of Lanes



Legend 2035 Facility Type —— Interstate/Freeways ——Expressways ——Principal Arterials -_Minor Arterials
_Collectors

- Ramps
- Interchanges

2035 Improvements
New Roads
Roadway Widenings
$\square$ Traffic Analysis Zones

## Cities

$\square$ Aurora
Bennett
Byers
Strasburg
Comer Study Area County Boundary

X : Total Number of Lanes © Improvement ID

