



COLORADO DEPARTMENT OF TRANSPORTATION,
REGION 1

WestConnect Coalition Planning and Environmental Linkages (PEL) Study

FINAL CORRIDOR CONDITIONS REPORT APPENDIX

APRIL 2017



WestConnect Coalition PEL



DAVID EVANS
AND ASSOCIATES INC.





WestConnect Coalition PEL

CORRIDOR CONDITIONS REPORT

APPENDIX A: DESIGN CRITERIA, MAJOR STRUCTURE SUMMARY, AND PROPOSED WATERLINE

ROADWAY DESIGN CRITERIA - WestConnect PEL

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C-470 DESIGN ELEMENT	Standards Applied	CDOT/FHWA	CDOT/FHWA	Design Criteria Reference
		C-470 From Wadsworth to I-70	C-470, I-70 to US 6	
General				
Roadway Functional Classification		State Highway, Principal Arterial - Fwys and Expwys	State Highway, Principal Arterial - Fwys and Expwys	OTIS - CDOT Website. A small segment of C-470 from I-70 to US 6 was noted as minor arterial, but since a majority of the segment was considered Principal Arterial, this was listed.
Access Control Classification		Interstate System, Freeway Facilities (F-W)	Interstate System, Freeway Facilities (F-W)	OTIS - CDOT Website
Type of Terrain		Rolling	Rolling	OTIS - CDOT Website
Design Speed				
	Minimum (MPH)	70	60	5 MPH over Posted Speed. Coordinated with CDOT on 7-19-16.
Posted Speed Limit Minimum (MPH)		65	55	OTIS - CDOT Website
Truck Route		National	National	OTIS - CDOT Website
Design Vehicle		WB-67	WB-67	AASHTO PGDHS 2011 Ch 2, p.2-5, Surface Transportation Assistance Act of 1982
Horizontal Alignment Criteria				
Superelevation (e _{max})		6%	6%	AASHTO PGDHS 2011 Ch 3, p. 3-31 (1st Paragraph) Also considering snow and ice conditions in the mountains.
Curve Radius For Design Speed Minimum (Ft.) @ e _{max}		2040	1330	AASHTO PGDHS 2011 p. 3-45, Table 3-9
Max. Degree of Curve - Design Speed Min. (Calculated)		2.80	4.30	Degree of Curve = 5729.6/R
Cross-Slope		2%	2%	CDOT 2005 DG Sec. 4.1.2, p.4-2 & Fig. 4-1 (HMA), p. 4-7; Fig. 4-2 (Concrete), p. 4-8
Maximum Algebraic Difference at Crossover Line (%) @ 35mph or greater		4 to 5	4 to 5	AASHTO PGDHS 2011 pg.9-121, Table 9-20; CDOT 2005 DG Sec. 10.6.5, pg. 10-29.
Clear Zone on Tangent (Foreslope/Backslope)				AASHTO Roadside DG 2011 pp. 3-1 to 3-3, Table 3.1
	Minimum (Ft.)	30 - 34 / 28 - 30	30 - 32 / 26 - 28	6:1 sideslopes, over 6000 ADT
Clear Zone on Curve				AASHTO Roadside DG 2011 p. 3-4, Table 3.2
	Kcz, Adjustment Factor	1.2 to 1.5	1.2 to 1.5	Dependent on radius
No. of Lanes (In each direction)		Varies 2-5	1-2	OTIS - CDOT Website. Auxiliary lanes were also added along C-470 for all options. With the managed lane and peak period shoulder lane, the number of lanes in each direction could be as many as five lanes.
Lane Width Minimum (Ft.)		12'	12'	CDOT 2005 DG Sec. 4.2, p.4-3; Table 4-1, p. 4-6; & Fig. 4-1 (HMA), p. 4-7; Fig. 4-2 (Concrete), p. 4-8 (4-lane divided); Fig. 4-4 (HMA and Concrete), p. 4-10 (4-lane Urban).CDOT 2005 DG Sec. 7.2.1.11.3 p. 7-10. A 12' foot wide lane was used for auxiliary lanes, express toll lanes, and peak period shoulder lanes.
Buffer between express toll lanes and general purpose travel lanes		4'	4'	East C-470 typical sections

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C-470 Standards Applied		CDOT/FHWA	CDOT/FHWA	Design Criteria Reference
DESIGN ELEMENT		C-470 From Wadsworth to I-70	C-470, I-70 to US 6	
Shoulder Widths				
	Left Inside (Ft.)	2' - 12'	2' - 12'	CDOT 2005 DG Sec. 4.3, p.4-3 to 4-4; Table 4-1, p. 4-6; & Fig. 4-1 (HMA), p. 4-7; Fig. 4-2 (Concrete), p. 4-8 . DHV is less than 250 for no 12' shoulders. 4' for 4 lanes and 10' for 6 lanes. A 10-foot wide shoulder was used for a flush median with median barrier along general purpose lanes. A 2-foot wide shoulder was used for a flush median with median barrier along peak period shoulder lanes, six general purpose lanes, and auxiliary lanes. A 12-foot wide shoulder was used for a flush median with median barrier along two, express toll lanes in each direction, four general purpose lanes and auxiliary lanes. A 6-foot inside shoulder was used with a 30-foot wide depressed median with cable barrier with four general purpose lanes with auxiliary lanes. A 2-foot inside shoulder was used with a 30-foot wide depressed median with cable barrier with peak period shoulder lanes with auxiliary lanes.
	Right Outside (Ft.)	6' - 12'	6 - 12'	CDOT 2005 DG Sec. 4.3, p.4-3 to 4-6; Table 4-1, p. 4-6; & Fig. 4-1 (HMA), p. 4-7; Fig. 4-2 (Concrete), p. 4-8. DHV is less than 250 for no 12' shoulders. A 12' outside shoulder was requested to accommodate emergency vehicles by one of the stakeholders. A 10' to 12' shoulder would be used in conjunction with general purpose and auxiliary lanes. A 6' to 12' shoulder would be used in conjunction with peak period shoulder lanes, general purpose lanes, and auxiliary lanes.
Curb and Gutter Type		N/A	N/A	CDOT 2005 DG Sec. 4.6, pp.4-12 to 4-13;
	Inside Medians (Ft.)			
	Outside (Ft.)			
	Islands			
Side Ditches				
	Cut Slope	≥ 3:1	≥ 3:1	CDOT 2005 DG Sec.4.7.4, p. 4-15
Rolling	Fill Slope	4:1(H<10 Ft.) 3:1(H>10 Ft.)	4:1(H<10 Ft.) 3:1(H>10 Ft.)	CDOT 2005 DG Sec.4.7.5, p. 4-15 & Table 4-2, p. 4-16
	Z-slope (6:1 Slope) (Ft.)	12'	12'	CDOT 2005 DG Sec. 4.4, p.4-5 & Fig. 4-1 (HMA), pg. 4-7; Fig. 4-2 (Concrete), p. 4-8
Clear from Cut/Fill Slope Catch Point to ROW				
	Minimum (Ft.)	10'	10'	CDOT 2005 DG Sec.4.7.6, p. 4-16
	Desirable (Ft.)	20'	20'	
Clear from Edge of Pavement to Impact Line (Ft.)		25	25	Team Direction for Screening

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C-470 DESIGN ELEMENT	Standards Applied CDOT/FHWA C-470 From Wadsworth to I-70	CDOT/FHWA C-470, I-70 to US 6	Design Criteria Reference
Median Width Minimum (Ft.)			
Depressed Median	42'	N/A	AASHTO Roadside DG 2011 pp. 6-1 to 6-3, Figure 6-1. This includes 6' inside shoulders and a 30' wide depressed median. This includes a median tensioned cable barrier on a high-speed, fully controlled-access roadway where the median is 30' or less and average daily traffic greater than 20,000 vph. This was coordinated with CDOT on 7-19-16. With peak period shoulder lanes and auxiliary lanes option, a 2-foot inside shoulder and a 30-foot wide depressed median with cable barrier was used with the overall median width was 34 feet..
Flush Median with Barrier	6' - 22'	10'	AASHTO PGDHS 2011 pg.8-10, Section 8.4.2. Min. median for 4-lane urban freeway should be 10', which provides for two, 4' shoulders and a 2' median barrier. For freeways with 6 or more lanes, min. median width should be 22' and preferably 26' if the DDHV for truck traffic exceeds 250 vph (for a wider median shoulder to accommodate a truck). This was coordinated with CDOT on 7-19-16. Based on alternative typical sections, a 22-foot wide flush median with barrier with 10-foot wide shoulder was used along general purpose lanes. A 6-foot wide flush median with barrier with 2-foot shoulders was used along peak period shoulder lanes, six general purpose lanes, and auxiliary lanes. A 10-foot wide flush median with barrier with 4-foot wide shoulder was used along two, express toll lanes in each direction, four general purpose lanes and auxiliary lanes.
Redirect Taper (Ft.)	65:1	55:1	State Highway Access Code Table 4-9, p. 57 of 62
Left Turn Deceleration Length (Ft.)	=(25*12)+600+storage	=(18.5*12)+600+storage	State Highway Access Code Table 4-6 p. 55 of 62 (Also use Table 4-7 for Grade Adjustment Factors). Subject to change based on traffic analysis. See Table 4-5 for speed change lane length on p. 54 of 62. For E-X, Taper+decel length+storage
Right Turn Deceleration Length (Ft.)	1100	600	State Highway Access Code Table 4-6 p. 55 of 62 (Also use Table 4-7 for Grade Adjustment Factors). Subject to change based on traffic analysis. See Table 4-5 for speed change lane length on p. 54 of 62. For E-X, Taper+decel length
Acceleration Length (Ft.)	1680	1182	State Highway Access Code Table 4-6 p. 55 of 62 (Also use Table 4-7 for Grade Adjustment Factors). Subject to change based on traffic analysis. See Table 4-5 for speed change lane length on p. 54 of 62. For E-X, Taper+accel length
Transition Taper for Accel/Decel Lanes	25:1	18.5:1	State Highway Access Code Table 4-6 p. 55 of 62
Intersection Design Criteria			
Minimum Intersection Radii	N/A	N/A	
Minimum Access Radii	N/A	N/A	
Minimum Access Width	N/A	N/A	

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C-470 Standards Applied		CDOT/FHWA	CDOT/FHWA	
DESIGN ELEMENT		C-470 From Wadsworth to I-70	C-470, I-70 to US 6	Design Criteria Reference
Vertical Alignment Criteria				
Maximum Grade		4%	4%	(AASHTO PGDHS 2011 p. 3-119; p. 7-3 to 7-4, table 7-2; p. 7-28 to 7-29, Table 7-4); (AASHTO PGDHS 2011 Pg. 8-3 to 8-4, Table 8-1). CDOT 2005 DG Sec. 3.3.3, pp. 3-32 to 3-33
Minimum Grade		0.5%	0.5%	AASHTO PGDHS 2011 p. 3-119, 0.3% could be used for high type pavement. CDOT 2005 DG Sec. 3.3.3, pp. 3-32 to 3-33
Max. Vertical Grade Break without a Curve		0.20%	0.20%	CDOT 2005 DG Sec. 3.3.4, p. 3-35
Min. Vertical Curve Length (Ft.)		210	180	AASHTO PGDHS 2011, p. 3-153 (Lmin. = 3V)
K-Value Ranges (Based on Stopping Sight Distance)				
	Crest VC (Min)	247	151	AASHTO PGDHS 2011 p. 3-155, Table 3-34;
	Sag VC (Min)	181	136	AASHTO PGDHS 2011 p. 3-157 to 3-161, Table 3-36.
Sight Distances				
Min. Stopping Sight Distance (Ft.)				
	Level	730	570	AASHTO PGDHS 2011 pp. 3-2 to 3-4, Table 3-1, p. 3-161, Table 3-36
	3% (6%) Downgrade	771 (825)	598 (638)	AASHTO PGDHS 2011 p. 3-5, Table 3-2
	3% (6%) Upgrade	690 (658)	538 (515)	AASHTO PGDHS 2011 p. 3-5, Table 3-2
Structure Clearance Criteria				
Highway Underpass Vertical (Ft.) (Min.)		16.5	16.5	AASHTO PGDHS 2011 p. 10-21, CDOT 2005 DG p. 3-31, Table 3-3. Resurfacing and ice and snow conditions were considered in setting criteria.
Railroad (Ft.) (Min.)		23.5	23.5	CDOT 2005 DG p. 3-31, Table 3-3. Measured from top of rail to bottom of structure. UPRR Industry Track Agreement is 23 feet from top of rails.
Overhead Wires (Ft.) (Min.)*		20.5+	20.5+	CDOT 2005 DG p. 3-31, Table 3-3. *Depends on volts...see Table 3-3
Sign Structures and Pedestrian Structures (Ft.) (Min.)		17.5	17.5	FHWA Website 17' - CDOT 2005 DG p. 3-31, Table 3-3. - footnote

AASHTO - American Association of State Highway and Transportation Officials

DG - Design Guide

OTIS - Online Transportation Information System

PGDHS - A Policy on Geometric Design of Highways and Streets

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US 6	Standards Applied	CDOT/FHWA	
DESIGN ELEMENT		US 6	Design Criteria Reference
<i>Design Criteria Based on Golden's Plan from City of Golden, Highway 6 & 93 Corridor, Dated 7/1/2014, Attached</i>			

ROADWAY DESIGN CRITERIA - WestConnect PEL - CO 93

4/13/2017

CO 93 Standards Applied		CDOT/FHWA	CDOT/FHWA	
DESIGN ELEMENT		CO 93 Segment US 6 to MP 7 North of Coal Creek Canyon Rd (CO 72) to Boulder County Line	CO 93 Segment MP 7 to North of Coal Creek Canyon Rd (CO 72) Boulder County Line to Marshall Dr (CO 170)	Design Criteria Reference
General				
Roadway Functional Classification		State Highway, Principal Arterial	State Highway, Principal Arterial	
Access Control Classification		Expressway, Major Bypass (E-X)	Regional Highway (R-A)	OTIS - CDOT Website (different classifications)
Type of Terrain		Rolling	Rolling	OTIS - CDOT Terrain Classification Information on website
Design Speed				
	Minimum (MPH)	50 - 60	50 - 60	5 MPH over Posted Speed. Coordinated with CDOT on 7-19-16.
Posted Speed Limit Minimum (MPH)		45 - 55	45 - 55	OTIS - CDOT Website
Truck Route		National	National	OTIS - CDOT Website
Design Vehicle		WB-67	WB-67	AASHTO PGDHS 2011 Ch 2, p.2-5, Surface Transportation Assistance Act of 1982
Horizontal Alignment Criteria				
Superelevation (e _{max})		6%	6%	AASHTO PGDHS 2011 Ch 3, p. 3-31 (1st Paragraph) Also considering snow and ice conditions in the mountains.
Curve Radius For Design Speed Minimum (Ft.) @ e _{max}				AASHTO PGDHS 2011 p. 3-45, Table 3-9
	50 mph	833	833	
	55 mph	1060	1060	
	60 mph	1330	1330	
Max. Degree of Curve - Design Speed Min. (Calculated)				Degree of Curve = 5729.6/R
	50 mph	6.90	6.90	
	55 mph	5.40	5.40	
	60 mph	4.30	4.30	
Cross-Slope		2%	2%	CDOT 2005 DG Sec. 4.1.2, p.4-2 & Fig. 4-1 (HMA), p. 4-7; Fig. 4-2 (Concrete), p. 4-8 (4-lane divided); Fig. 4-4 (HMA and Concrete), p. 4-10 (4-lane Urban)
Maximum Algebraic Difference at Crossover Line (%) @ 35mph or greater		4 to 5	4 to 5	AASHTO PGDHS 2011 pg.9-121, Table 9-20; CDOT 2005 DG Sec. 10.6.5, pg. 10-29.
Clear Zone on Tangent (Foreslope/Backslope)				AASHTO Roadside DG 2011 pp. 3-1 to 3-3, Table 3.1, 6:1 sideslopes, over 6000 ADT
	Minimum (Ft.) 45-50 mph	20' - 22' / 20' - 22'	20' - 22' / 20' - 22'	
	Minimum (Ft.) 55 mph	22' - 24' / 22' - 24'	22' - 24' / 22' - 24'	
	Minimum (Ft.) 60 mph	30' - 32' / 26' - 28'	30' - 32' / 26' - 28'	
Clear Zone on Curve				AASHTO Roadside DG 2011 p. 3-4, Table 3.2
	Kcz, Adjustment Factor	1.1 to 1.5	1.1 to 1.5	Dependent on radius
No. of Lanes (In each direction)		1 - 2	1 - 2	OTIS - CDOT Website

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CO 93		Standards Applied	CDOT/FHWA	CDOT/FHWA	
DESIGN ELEMENT			CO 93 Segment US 6 to MP 7 North of Coal Creek Canyon Rd (CO 72) to Boulder County Line	CO 93 Segment MP 7 to North of Coal Creek Canyon Rd (CO 72) Boulder County Line to Marshall Dr (CO 170)	Design Criteria Reference
Lane Width Minimum (Ft.)			12'	12'	CDOT 2005 DG Sec. 4.2, p.4-3; Table 4-1, p. 4-6; & Fig. 4-1 (HMA), p. 4-7; Fig. 4-2 (Concrete), p. 4-8 (4-lane divided); Fig. 4-4 (HMA and Concrete), p. 4-10 (4-lane Urban). CDOT 2005 DG Sec. 7.2.1.11.3 p. 7-10.
Shoulder Widths					CDOT 2005 DG Section 4.3.2, pg. 4-3; Table 4-1, pg. 4-6. Width will vary from 4'-12' depending on roadway design type.
	Left Inside (Ft.)		4'	4'	The highway is either divided with raised median or undivided with painted or depressed median. If divided, AASHTO PGDHS 2011 Ch 7, p. 7-13 (last paragraph) states a 4' paved shoulder should satisfy a sholder within a median for divided 2-lane arterials.
	Right Outside (Ft.)		8' - 12'	8' - 12'	CDOT 2005 DG Table 4-1, pg. 4-6; Fig. 4-5 (Type B), p. 4-11. A 12' outside shoulder was requested to accommodate emergency vehicles by one of the stakeholders.
Curb and Gutter Type					CDOT 2005 DG Sec. 4.6, pp.4-12 to 4-13; & Figure 4-4, p. 4-10 (4-lane Urban). Vertical curbs shall be used only on roadways where speed is 45 mph or less, with sloping curb being used where speeds are greater than 45 mph. CDOT M & S Standards 2012, pp. 126 to 129, M-609-1.
	Inside Medians (Ft.)	Type 2 (Section IB or IIB; Type 2 (Section IM or IIM))	Type 2 (Section IB or IIB; Type 2 (Section IM or IIM))	Type 2 (Section IB or IIB; Type 2 (Section IM or IIM))	CDOT 2005 DG Sec. 4.6, P 4-13. One-foot gutter is used with the curb where drainage control is not required; e.g., medians and islands. Sloping curb may be used on islands and medians where crossing is not a problem. Vertical curb should be used wherever random crossing or U-turn movements create a hazard.
	Outside (Ft.)	Type 2 (Section IB or IIB; Type 2 (Section IM or IIM))	Type 2 (Section IB or IIB; Type 2 (Section IM or IIM))	Type 2 (Section IB or IIB; Type 2 (Section IM or IIM))	CDOT 2005 DG Sec. 4.6, P 4-13. Areas which require drainage control should use curb with 2-foot gutter. Cross slope of curb varies depending on whether the water is to flow toward or away from the curb.
	Islands	Type 2 (Section IB or IIB; Type 2 (Section IM or IIM))	Type 2 (Section IB or IIB; Type 2 (Section IM or IIM))	Type 2 (Section IB or IIB; Type 2 (Section IM or IIM))	
Side Ditches					
	Cut Slope		3:1	3:1	CDOT 2005 DG Sec.4.7.4, p. 4-15
Rolling	Fill Slope		4:1(H<10 Ft.) 3:1(H>10 Ft.)	4:1(H<10 Ft.) 3:1(H>10 Ft.)	CDOT 2005 DG Sec.4.7.5, p. 4-15 & Table 4-2, p. 4-16
	Z-slope (6:1 Slope) (Ft.)		12	12	CDOT 2005 DG Table 4-1, pg. 4-6; Fig. 4-5 (Type B), p. 4-11
Clear from Cut/Fill Slope Catch Point to ROW					CDOT 2005 DG Sec.4.7.6, p. 4-16
	Minimum (Ft.)		10	10	
	Desirable (Ft.)		20	20	
Clear from Edge of Pavement to Impact Line (Ft.)			25	25	Team Direction for Screening

ROADWAY DESIGN CRITERIA - WestConnect PEL - CO 93

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CO 93		Standards Applied	CDOT/FHWA	CDOT/FHWA	
DESIGN ELEMENT			CO 93 Segment US 6 to MP 7 North of Coal Creek Canyon Rd (CO 72) to Boulder County Line	CO 93 Segment MP 7 to North of Coal Creek Canyon Rd (CO 72) Boulder County Line to Marshall Dr (CO 170)	Design Criteria Reference
Median Width Minimum (Ft.)			12' to 30'	12' to 30'	CDOT 2005 DG Sec.4.10, pp. 4-23 to 4-24; Sec.7.1.3.3, p.7-6. AASHTO PGDHS 2011 Pg. 7-14. 4' to 6' is the minimum and used under very restricted conditions. An 18' median has been provided for consistency with the Golden Segment along CO 93. Inside shoulders could be included within the median if a raised median is used, see left shoulders for width. Where widening occurs only to the outside, the existing painted median was maintained. This is subject to change based on Technical Team input.
Redirect Taper (Ft.)					State Highway Access Code Table 4-9, p. 57 of 62
Posted Speed	45 mph		45:1	45:1	
Posted Speed	50 mph		50:1	50:1	
Posted Speed	55 mph		55:1	55:1	
Left Turn Deceleration Length (Ft.)					State Highway Access Code Table 4-6 p. 55 of 62 (Also use Table 4-7 for Grade Adjustment Factors). Subject to change based on traffic analysis. See Table 4-5 for speed change lane length on p. 54 of 62.
Posted Speed	45 mph		$=(13.5*12)+435+storage$	435+storage	For E-X, Taper+decel length+storage; for R-A, Decel Length +storage
Posted Speed	50 mph		$=(15*12)+500+storage$	500+storage	For E-X, Taper+decel length+storage; for R-A, Decel Length +storage
Posted Speed	55 mph		$=(18.5*12)+600+storage$	600+storage	For E-X, Taper+decel length+storage; for R-A, Decel Length +storage
Right Turn Deceleration Length (Ft.)					State Highway Access Code Table 4-6 p. 55 of 62 (Also use Table 4-7 for Grade Adjustment Factors). Subject to change based on traffic analysis. See Table 4-5 for speed change lane length on p. 54 of 62.
Posted Speed	45 mph		597	435	
Posted Speed	50 mph		680	500	
Posted Speed	55 mph		822	600	
Acceleration Length (Ft.)					State Highway Access Code Table 4-6 p. 55 of 62 (Also use Table 4-7 for Grade Adjustment Factors). Subject to change based on traffic analysis. See Table 4-5 for speed change lane length on p. 54 of 62.
Posted Speed	45 mph		712	550	
Posted Speed	50 mph		940	760	
Posted Speed	55 mph		1182	960	
Transition Taper for Accel/Decel Lanes					State Highway Access Code Table 4-6 p. 55 of 62
Posted Speed	45 mph		13.5:1	13.5:1	
Posted Speed	50 mph		15:1	15:1	
Posted Speed	55 mph		18.5:1	18.5:1	
Intersection Design Criteria					
Minimum Intersection Radii			40'	40'	CDOT 2005 DG Sec.9.5.2.2, p.9-11
Minimum Access Radii			20'	20'	State Highway Access Code p. 51
Minimum Access Width			16' - 40'	16' - 40'	State Highway Access Code p. 51

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CO 93		Standards Applied	CDOT/FHWA	CDOT/FHWA	
DESIGN ELEMENT			CO 93 Segment US 6 to MP 7 North of Coal Creek Canyon Rd (CO 72) to Boulder County Line	CO 93 Segment MP 7 to North of Coal Creek Canyon Rd (CO 72) Boulder County Line to Marshall Dr (CO 170)	Design Criteria Reference
Vertical Alignment Criteria					
Maximum Grade			4% - 5%	4% - 5%	(AASHTO PGDHS 2011 p. 3-119; p. 7-3 to 7-4, table 7-2; (AASHTO PGDHS 2011 Pg. 8-3 to 8-4, Table 8-1). For SH 93 used Rural Arterial criteria. Grades based on coordination with CDOT on 7-19-16.
Minimum Grade			0.5%	0.5%	AASHTO PGDHS 2011 p. 3-119, 0.3% could be used for rural sections but it is difficult for a contractor to achieve during construction therefore a minimum of 0.5% has been set.
Max. Vertical Grade Break without a Curve			0.20%	0.20%	CDOT 2005 DG Sec. 3.3.4, pp. 3-33 to 3-35
Min. Vertical Curve Length (Ft.)			150' - 180'	150' - 180'	AASHTO PGDHS 2011, p. 3-153 (Lmin. = 3V)
K-Value Ranges (Based on Stopping Sight Distance)					
Crest VC (Min)					AASHTO PGDHS 2011 p. 3-155, Table 3-34;
50 mph			84	84	
55 mph			114	114	
60 mph			151	151	
Sag VC (Min)					AASHTO PGDHS 2011 p. 3-157 to 3-161, Table 3-36.
50 mph			96	96	
55 mph			115	115	
60 mph			136	136	
Sight Distances					
Intersection Sight Distance			1st vehicle stopped on one approach should be visible to the driver of the first vehicle stopped on each of the other approaches.	1st vehicle stopped on one approach should be visible to the driver of the first vehicle stopped on each of the other approaches.	
Min. Stopping Sight Distance (Ft.)					
Traffic Signals			1st vehicle stopped on one approach should be visible to the driver of the first vehicle stopped on each of the other approaches.	1st vehicle stopped on one approach should be visible to the driver of the first vehicle stopped on each of the other approaches.	AASHTO PGDHS 2011 p. 9-51, Case D. See additional criteria.
55 mph Level			495	495	AASHTO PGDHS 2011 pp. 3-2 to 3-4, Table 3-1, p. 3-161, Table 3-36
3% (6%) Downgrade			520 (553)	520 (553)	AASHTO PGDHS 2011 p. 3-5, Table 3-2
3% (6%) Upgrade			469 (450)	469 (450)	AASHTO PGDHS 2011 p. 3-5, Table 3-2
60 mph Level			570	570	AASHTO PGDHS 2011 pp. 3-2 to 3-4, Table 3-1, p. 3-161, Table 3-36
3% (6%) Downgrade			598 (638)	598 (638)	AASHTO PGDHS 2011 p. 3-5, Table 3-2
3% (6%) Upgrade			538 (515)	538 (515)	AASHTO PGDHS 2011 p. 3-5, Table 3-2
65 mph Level			645	645	AASHTO PGDHS 2011 pp. 3-2 to 3-4, Table 3-1, p. 3-161, Table 3-36
3% (6%) Downgrade			682 (728)	682 (728)	AASHTO PGDHS 2011 p. 3-5, Table 3-2
3% (6%) Upgrade			612 (584)	612 (584)	AASHTO PGDHS 2011 p. 3-5, Table 3-2

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CO 93 Standards Applied DESIGN ELEMENT	CDOT/FHWA CO 93 Segment US 6 to MP 7 North of Coal Creek Canyon Rd (CO 72) to Boulder County Line	CDOT/FHWA CO 93 Segment MP 7 to North of Coal Creek Canyon Rd (CO 72) Boulder County Line to Marshall Dr (CO 170)	Design Criteria Reference
Structure Clearance Criteria			
Highway Underpass Vertical (Ft.) (Min.)	16.5	16.5	AASHTO PGDHS 2011 p. 10-21, CDOT 2005 DG p. 3-31, Table 3-3. Resurfacing and ice and snow conditions were considered in setting criteria.
Railroad (Ft.)(Min.)	23.5	23.5	CDOT 2005 DG p. 3-31, Table 3-3. Measured from top of rail to bottom of structure. UPRR Industry Track Agreement is 23 feet from top of rails.
Overhead Wires (Ft.) (Min.)*	20.5+	20.5+	CDOT 2005 DG p. 3-31, Table 3-3. *Depends on volts...see Table 3-3
Sign Structures and Pedestrian Structures(Ft.) (Min.)	17.5	17.5	3. – footnote

AASHTO - American Association of State Highway and Transportation Officials
 DG - Design Guide
 OTIS - Online Transportation Information System
 PGDHS - A Policy on Geometric Design of Highways and Streets

BIKE/PED/TRAIL DESIGN CRITERIA - WestConnect PEL

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Bicycle/Pedestrian/Trails DESIGN ELEMENT	Design Criteria	Design Criteria Reference
On-Street Bicycle Facility: Protected Bike Lane		
One-way protected bike lane width (from edge of gutter) (Ft.)	7	FHWA Separated Bike Lane Planning and Design Guide Ch 5
One-way protected bike lane buffer width (Ft.)	3	FHWA Separated Bike Lane Planning and Design Guide Ch 5
Two-way protected bike lane width (from edge of gutter) (Ft.)	12	FHWA Separated Bike Lane Planning and Design Guide Ch 5
Two-way protected bike lane buffer width (Ft.)	3	FHWA Separated Bike Lane Planning and Design Guide Ch 5
Protected bike lane intersection design	treatments vary by intersection type	FHWA Separated Bike Lane Planning and Design Guide (Ch. 5) & NACTO Urban Bikeway Design Guide
Shared Use Path General		
Width (Ft.)	10-14 (dependent on volumes, users)	AASHTO Guide for the Development of Bicycle Facilities, Ch 5, p. 5-3; CDOT Roadway Design Guide Ch. 14, p. 14-57
Design Speed (mph)	18; 30 in locations where 4% grades are required for more than 300'	AASHTO Guide for the Development of Bicycle Facilities, Ch 5, p. 5-13; CDOT Roadway Design Guide Ch. 14, p.14-50
Separation between side path and street (from edge of paved shoulder) (Ft.)	5*	AASHTO Guide for the Development of Bicycle Facilities, Ch 5, p. 5-11. *Unless barrier provided. CDOT Roadway Design Guide Ch. 14, p. 14-85
Clearance to obstructions (Ft.)	3 on each side, max cross slope 6:1*	CDOT Roadway Design Guide Ch. 14, p. 14-60; *exceptions are provided for constrained conditions
Intersections between Shared Use Paths and Roadways	Sight Distance, Sight Triangles, Traffic Control	CDOT Roadway Design Guide Ch. 14, Section 14.2.9, p. 14-64 through 14-76
Shared Use Path		
Curve Radius For Design Speed Minimum (Ft.)	60 (79)	AASHTO Guide for the Development of Bicycle Facilities, Ch 5, p. 5-14; (CDOT Roadway Design Guide Ch. 14, p. 14-62 [assumes 0% superelevation])
Cross-Slope	1-2%	AASHTO Guide for the Development of Bicycle Facilities, Ch 5, p. 5-15
Grade Maximum	5%**	AASHTO Guide for the Development of Bicycle Facilities, Ch 5, p. 5-16. **Or grade of adjacent roadway.

AASHTO - American Association of State Highway and Transportation Officials

NACTO - National Association of City Transportation Officials

CDOT - Colorado Department of Transportation

FHWA - Federal Highway Administration

WestConnect Major Structure Summary

Status Date: July 14, 2015



COLORADO
DEPARTMENT OF
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Major Structure Information

Structure	Year Built	NHS	Route Carried	Feature Intersected	Route	Milepoint	ADT	% Truck Traffic	Structure Type	NBI RATING				Sufficiency Rating	Functional Status	Load Rating			Structure Length (ft)	Structure Width (ft)	Minimum Vertical Clearance (ft)	Bridge/Guardrail Type	Possible Repairs within 15 years	Notes	
										Deck	Super	Sub	Culvert			Operating (Tons)	Inventory (Tons)	Permit Vehicle Color Code							
F-16-KW	1987	On	WB SH 470 ML	I-70 ML	470A	0.04	36,500	2%	WGCK	6	6	7		55.6	FO	64.5	17.1	White	311.4	79.5	15.6	Type 4	Repair impacted girders	Retaining Wall in front of East Abutment along I-70	
F-16-KX	1987	On	EB SH 470 ML	I-70 ML	470A	0.03	36,500	2%	CBGCP	7	7	7		78		66.03	39.02	White	281	62.1	15.6	Type 4	Replace expansion joint(s)	Retaining Wall in front of East Abutment along I-70	
F-16-HQ	1969	On	Rooney Road	I-70 ML			1,836	5%	CBGC	6	6	6		96.9		56.2	33.7	White	223	40.5	16	Type 3	None Noted	Rooney Road Bridge parallel to SH 470 over I-70 Structures.	
F-16-KZ	1988	On	WB I-70 Ramp to EB SH 470	WB SH 470 ML	470A	0.01	71,900	3%	CBGCP	6	7	7		96.6		71.98	41.01	White	187	41.5	16.6	Type 4	Settlement Repairs		
F-16-KY	1987	On	EB I-70 Ramp to EB SH 470	Rooney Road	470A	0.022	71,900	3%	CBGC	8	7	6		84		90.06	54.01	White	198.8	30.5	16.7	Type 4	None Noted		
F-16-NF	2004	On	Rooney Road	EB SH 470 Ramp to WB I-70			1,836	1%	CBGC	7	7	7		99.9		43.9	33.7	White	135	43	16.8	Type 4	None Noted		
F-16-KV	1988	On	Pedestrian Path	SH 470 ML			0	0%	CBGCP	7	8	8		-2		69	41.01	White	218.1	17.2	16.7	Fence	None Noted		
F-16-KU	1988	On	Alameda Pkwy.	SH 470 ML		2.779	7,326	3%	CBGCP	7	7	7		90.6		79	47.1	White	264	100	16.3	Type 10	None Noted	Retaining Wall in front of East Abutment along SH 470	
F-16-LB	1988	On	SH 470 ML	Rooney Road / Frontage Road	470A	3.636	34,300	3%	CPGC	7	7	7		85		70	37	White	150	113.4	16.7	Type 4	None Noted	Exp. Jt's being replaced as part of RAMP BMP Project.	
F-16-LC	1989	On	WB SH 470 ML	SH 8, Bear Creek	470A	4.189	34,300	3%	CBGC	7	7	7		84.2		67	40	White	765.2	41.5	19.1	Type 4	None Noted	Exp. Jt's being replaced as part of RAMP BMP Project.	
F-16-LD	1989	On	EB SH 470 ML	SH 8, Bear Creek	470A	4.179	34,300	3%	CBGC	7	8	8		84.2		67	40	White	764.8	41.5	16.4	Type 4	None Noted	Repairs occurring as part of RAMP BMP Project.	
F-16-LE	1989	On	WB SH 470 Ramp to SH 8	Bear Creek	470A	4.269	7,970	5%	CPGC	8	8	8		99.6		75.8	36.7	White	257	39.5		Type 4	None Noted	Overlay occurring as part of RAMP BMP Project	
F-16-LF	1989	On	SH 8 Ramp to EB SH 470	Bear Creek	470A	4.279	7,970	5%	CPGC	7	7	7		80		74.8	36.4	White	245	39.5		Type 4	None Noted	Overlay occurring as part of RAMP BMP Project	
F-16-MY	1988	On	WB SH 470 ML	US 285 ML	470A	5.699	38,500	5%	CPGC	7	8	8		82		78.4	38.8	White	304	51.5	20	Type 4	None Noted	Exp. Jt's being replaced as part of RAMP BMP Project.	
F-16-MZ	1988	On	EB SH 470 ML	US 285 ML	470A	5.698	3,400	6%	CPGC	8	8	7		92		78.37	38.25	White	311.4	51.5	19.8	Type 4	None Noted	Exp. Jt's being replaced as part of RAMP BMP Project.	
F-16-CJ	1968	On	US 285 ML	Turkey Creek	285D	249.217	28,000	11%	CBC				6	71.8		40.01	36.05	White	48	10		N/A	None Noted	Incorrect Length in Insp. Report. Structure runs directly under US 285/C470 Interchange.	
F-16-NE	1989	On	Quincy Ave.	SH 470 ML			6,611	3%	CBGC	7	7	6		70.5		78.37	47.07	White	294.6	89.2	16.9	Conc.	None Noted		
F-16-NL	1990	On	WB SH 470 ML	Belleview Ave	470A	6.819	29,350	7%	CPGC	7	7	7		99		66.5	39.8	White	193	41.5	18.6	Type 4	None Noted	Overlay occurring as part of RAMP BMP Project	
F-16-NM	1990	On	EB SH 470 ML	Belleview Ave	470A	6.809	29,350	7%	CPGC	7	7	7		98		66	39	White	193	41.5	16	Type 4	None Noted	Overlay occurring as part of RAMP BMP Project	
F-16-NN	1990	On	Bowles Ave	SH 470 ML			15,297	4%	CBGC	7	6	7		97.8		67.8	40.7	White	222.7	106.8	16.9	Conc.	None Noted		
F-16-PI	1988	On	EB SH 470 ML	Dutch Creek	470A	8.428	26,050	6%	WGCK	7	7	7		98.8		77.2	46.3	White	270.5	41.5		Type 4	None Noted	Overlay occurring as part of RAMP BMP Project	
F-16-PH	1988	On	WB SH 470 ML	Dutch Creek	470A	8.438	26,050	6%	WGCK	7	7	8		98.8		77.2	46.3	White	271	41.5		Type 4	None Noted	Overlay occurring as part of RAMP BMP Project	
F-16-MA	1987	On	EB SH 470 ML	Ken Caryl Ave.	470A	10.19	26,050	6%	CPGC	7	8	8		100		64.7	36.8	White	198.1	41.5	15.8	Type 4	None Noted	Overlay occurring as part of RAMP BMP Project	
F-16-MB	1987	On	WB SH 470 ML	Ken Caryl Ave.	470A	10.191	26,050	6%	CPGC	7	7	7		100		64	36	White	198.1	41.5	15.5	Type 4	None Noted	Overlay occurring as part of RAMP BMP Project	
F-16-MC	1986	On	EB SH 470 ML	Kipling Pkwy.	470A	12.446	23,000	6%	CPGC	7	7	7		96.8		70.99	35.05	White	200	41.5	16	Type 4	None Noted		
F-16-MD	1986	On	WB SH 470 ML	Kipling Pkwy.	470A	12.447	25,750	6%	CPGC	7	8	8		98.6		71	35.1	White	200	41.5	18.4	Type 4	None Noted		
F-16-ST	1987	On	Kipling Pkwy.	Massey Draw	470A	12.417	53,000	6%	CBC				6	82		40	36	White	22	215		N/A	None Noted		
F-16-TX	1999	On	SH 470 ML	US 40 ML / Lena Gulch	470W		19,800	6%	CPGC	7	8	8		94		77.2	46.3	White	274.5	140.5	19.2	Type 4	None Noted		
F-16-TZ	1999	On	EB US 6 Ramp to EB SH 470	WB US 6 Ramp to EB SH 470	470W	0.025	72,100	3%	CBGC	7	7	7		94.5		36	36	White	164	41.9	17.2	Type 4	None Noted		
F-16-TY	1999	On	WB SH 470 Ramp to US 6	US 6 ML	470W	0.1	72,100	3%	CBGCP	7	8	7		96.6		36	36	White	502.3	44.3	17.5	Type 4	Expansion Joint Repair		
30																									
F-16-YY	2014	On	City of Golden Pedestrian Path	US 6 ML	006G	274.386	39,100	3%	STT	8	8	8		96.6		36	36	White	295	10	17.5	N/A	None Noted		
F-16-G	1951	On	US 6 ML	Draw	006G	273.416	38,000	5%	CBC				7	67	SD	89.95	80.14	White	30	119.2		N/A	None Noted		
F-16-ZH	2016	On	19th Street	US 6 ML	006G	272.5	0	0%	CBGCP	0	0	0	0	0		0	0	0	0	0	0	0	0	0	Under Construction, Project NHPP 006A-054, 19896
E-16-PY	1999	On	US 6 ML	Clear Creek	006G	271.631	26,000	5%	CPG	8	8	7		63	FO	69.4	16	White	158.5	84.4		Type 7	None Noted	Parallel Pedestrian Bridge	
4																									
E-16-CL	1998	On	Pedestrian Path	SH 93 ML	093A	0.621	22,000	7%	STT	7	7	7		0		0	0	White	390	10	18.7	N/A	None Noted		
E-16-IZ	1996	On	SH 93 ML	Tucker Bulch	093A	1.043	25,000	4%	CBC				6	81				White	41	136		Type 3	None Noted		
E-16-LG	1984	On	SH 93 ML	Van Bibber Creek	093A	3.031	21,000	6%	CBC				6	70		40	36	White	29	191		Type 3	None Noted		
E-16-LF	1984	On	SH 93 ML	Ralston Reservoir Overflow	093A	4.7	15,000	6%	CBC				6	74				White	30.9	139.2		N/A	None Noted		
E-16-DE	1999	On	SH 93 ML	Leyden Gulch	093A	6.325	17,000	5%	CBC				6	84				White	25.6	170.1		N/A	None Noted		
E-16-NF	1999	On	SH 93 ML	UPPR	093A	6.949	17,000	5%	CPG	7	7	7		88		89.9	44	White	157.9	58.1	22.1	Type 7	Expansion Joint Repair		
E-15-AL	1999	On	SH 93 ML	Aggregate Road	093A	10.398	17,000	4%	CBGP	8	7	7		84	FO	86	45	White	77.4	46.3	13.8	Type 7	Expansion Joint Repair		
E-15-O	1965	On	SH 93 ML	Coal Creek	093A	10.89	17,000	4%	CBC				6	87		99.9	99.9	White	36.5	80.3		Type 3	None Noted		
8																									

C470:
US 6 to Kipling Parkway

US 6:
C470 to SH 93

SH 93:
US 6 to SH 170

WestConnect Minor Structure Summary

Status Date: July 14, 2015



COLORADO
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Minor Structure Information

Structure	Year Built	NHS	Route Carried	Feature Intersected	Route	Milepoint	ADT	% Truck Traffic	Structure Type	NBI RATING				Sufficiency Rating	Functional Status	Load Rating			Structure Length (ft)	Structure Width (ft)	Bridge/Guardrail Type	Possible Repairs within 15 years	Notes			
										Deck	Super	Sub	Culvert			Operating (Tons)	Inventory (Tons)	Permit Vehicle Color Code								
470A000731BL	1986	On	SH 470 ML	Bike Path	470A	0.731	72,100	3%	CBC				7	70				36	36		11.5	229		None Noted	Previously F-16-AB MINOR	
470A000850BL	1988	On	SH 470 ML	Unnamed Drainage	470A	0.85	72,100	3%	RCPC				7	70				40	36		6.9	215		None Noted		
470A001170BL	1988	On	SH 470 ML	Unnamed Drainage	470A	1.17	72,100	3%	RCPC				7	70				40	36		5.7	255		None Noted		
470A001710BL	1988	On	SH 470 ML	Unnamed Drainage	470A	1.71	72,100	3%	CBC				7	70				40	36		8	274	Type 3	None Noted		
470A002410BR	1988	On	SH 470 ML	Rooney Gulch	470A	2.41	72,100	3%	CBC				7	70				40	36		16	333		None Noted		
470A002970BR	1988	On	SH 470 ML	Unnamed Drainage	470A	2.97	72,100	3%	RCPC				7	70				40	36		4.5	383		None Noted		
470A003630BR	1988	On	SH 470 ML	Unnamed Drainage	470A	3.63	72,100	3%	RCPC				7	70				40	36		5	330	Type 4	None Noted		
008A002780BL	1989		SH 8 ML	Unnamed Drainage	008A	2.78	12,200	3%	RCPC				7	79.4				40	36		4.6	303		None Noted		
470A004580BR	1988	On	SH 470 ML	Unnamed Drainage	470A	4.58	75,200	3%	RCPC				6	70				40	36		4.6	189	Type 4	None Noted		
470A005020BR	1988	On	SH 470 ML	Unnamed Drainage	470A	5.02	75,200	3%	RCPC				6	70				40	36		16	168		None Noted		
470A006610BR	1988	On	SH 470 ML	Weaver Gulch	470A	6.61	58,700	4%	CBC				6	70				40	36		16.2	260		None Noted		
MISC-F-16-SZ	0		Bike Path	Dutch Creek					CPGC	0	0	0	0	0				0	0		0	0	0	0		Parallel Bike Path Structure next to F-16-PH
470A008670BR	1990	On	SH 470 ML	Unnamed Drainage	470A	8.67	54,100	4%	RCPC				6	70				40	36		4.3	248	Type 4	None Noted		
470A008950BR	1989	On	SH 470 ML	Unnamed Drainage	470A	8.95	54,100	4%	RCPC				7	70				40	36		5	158		None Noted		
470A009080BR	1990	On	SH 470 ML	Unnamed Drainage	470A	9.08	54,100	4%	RCPC				7	70				40	36		4.5	208		None Noted		
470A009220BR	1990	On	SH 470 ML	Unnamed Drainage	470A	9.22	54,100	4%	RCPC				7	70				40	36		4	236		None Noted		
470A009330BR	1990	On	SH 470 ML	Unnamed Drainage	470A	9.33	54,100	4%	RCPC				7	70				40	36		4.5	196		None Noted		
470A009710BR	1990	On	SH 470 ML	Unnamed Drainage	470A	9.71	54,100	4%	RCPC				6	70				40	36		4.5	225		None Noted		
470A010230BR	1987	On	SH 470 ML	Masse Draw	470A	10.23	47,400	3%	CBC				6	70				40	36		11.5	615		None Noted		
470A010650BR	1987	On	SH 470 ML	Unnamed Drainage	470A	10.65	47,400	3%	RCPC				4	43				40	36		5	216		Repair Pipe		
470A010990BR	1987	On	SH 470 ML	Unnamed Drainage	470A	10.99	47,400	3%	RCPC				7	70				40	36		18.4	198		None Noted		
470A011090BR	1987	On	SH 470 ML	Unnamed Drainage	470A	11.09	47,400	3%	RCPC				7	70				40	36		8	168		None Noted		
470A011220BR	1987	On	SH 470 ML	Unnamed Drainage	470A	11.22	47,400	3%	RCPC				7	70				40	36		12.9	201		None Noted		
470A011870BR	1987	On	SH 470 ML	Unnamed Drainage	470A	11.87	47,400	3%	RCPC				7	70				40	36		11	210		None Noted		
470A012400BR	1987	On	SH 470 ML	Unnamed Drainage	470A	12.4	47,400	3%	RCPC				7	70				40	36		5.1	534		None Noted		
040C286320BR	1998		US 40 ML	Apex Gulch	040C	286.32	18,600	6%	RCPC				7	76.5				40	36		10.6	173		None Noted		
040C286370BR	1998		US 40 ML	Unnamed Drainage	040C	286.37	17,200	3%	RCPC				7	77.2				40	36		11.5	145		None Noted		
27																										
006G273320BR	1950	On	US 6 ML	Kinney Run	006G	273.32	39,200	3%	CBC				7	70				40	36		6	106	Type 3	None Noted		
006G272490BR	1969	On	US 6 ML	Unnamed Drainage	006G	272.49	26,000	3%	CMP				3	18.8				36	27		7.1	251	Type 3	Repair/Replace Pipe		
006G272270BR	1970	On	US 6 ML	Welch Ditch	006G	272.27	27,800	3%	CBC				6	70				40	36		6.9	150		None Noted		
006G272010BR	1969	On	US 6 ML	Pedestrian Walkway	006G	272.01	27,800	3%	CBC				7	70				40	36		13	91	Type 3	None Noted		
058A000110BL	1966	On	SH 58 ML	Unnamed Drainage	058A	0.11	11,900	10%	CMP				6	70				40	36		6	195		None Noted		
5																										
093A000170BL	1996	On	SH 93 ML	Unnamed Drainage	093A	0.17	20,100	2%	CBC				7	69.9				40	36		12	124	Type 3	None Noted		
093A000650BL	1996	On	SH 93 ML	Unnamed Drainage	093A	0.65	20,100	2%	CMP				6	66.9				40	36		42.4	115		None Noted		
093A001680BL	2000	On	SH 93 ML	Cressmans Gulch	093A	1.68	21,400	2%	RCPC				7	69.9				40	36		13.3	105	Type 3	None Noted		
093A002440BL	1984	On	SH 93 ML	Unnamed Drainage	093A	2.44	21,200	2%	CMP				3	50.6				36	27		16	81		Repair/Replace Pipe		
093A002860BL	1984	On	SH 93 ML	Unnamed Drainage	093A	2.86	21,900	3%	CMP				6	84.9				40	36		4	135		None Noted		
093A003440BL	1984	On	SH 93 ML	Unnamed Drainage	093A	3.44	21,900	3%	CMP				6	69.9				40	36		7	283		None Noted		
093A004100BL	1984	On	SH 93 ML	Unnamed Drainage	093A	4.1	21,900	3%	CMP				5	58.9				40	36		4	224		None Noted		
093A004440BL	1984	On	SH 93 ML	Long Lake Ditch	093A	4.44	18,600	3%	CBC				7	69.9				40	36		16.2	113		None Noted		
093A005880BL	1968	On	SH 93 ML	Unnamed Drainage	093A	5.88	18,600	3%	CMP				6	66.9				40	36		7	190		None Noted		
093A006070BL	1984	On	SH 93 ML	Unnamed Drainage	093A	6.07	16,900	3%	CMP				7	69.9				40	36		16	158		None Noted		
093A007620BL	1968	On	SH 93 ML	Unnamed Drainage	093A	7.62	16,400	1%	CMP				3	26				40	36		4.3	164		Repair/Replace Pipe		
093A007840BL	2012	On	SH 93 ML	Irrigation Canal	093A	7.84	15,000	1%	RCPC				8	81.9				40	36		4.3	62		None Noted		
093A008400BL	2012	On	SH 93 ML	Unnamed Drainage	093A	8.4	15,000	1%	RCPC				7	84.9				40	36		10.1	72.5	Type 3	None Noted		
093A008780BL	2013	On	SH 93 ML	Irrigation Canal	093A	8.78	15,000	1%	CMP				7	59.6				36	27		4.6	85		None Noted		
093A009231BL	2001	On	SH 93 ML	S. Boulder Diversion	093A	9.231	18,600	3%	CBC				6	69.9				40	36		16.5	134		None Noted		
093A010180BR	1968	On	SH 93 ML	Stock Pass	093A	10.18	16,400	1%	CMP				7	69.9				40	36		7	104	Type 3	None Noted		
093A010580BR	1968	On	SH 93 ML	Unnamed Drainage	093A	10.58	16,400	1%	CMP				5	72.9				40	36		5.7	107	Type 3	None Noted		
093A011170BL	1965	On	SH 93 ML	Unnamed Drainage	093A	11.17	16,400	1%	CMP				6	81.9				40	36		4	72		None Noted		
093A012300BR	1957	On	SH 93 ML	Stock Pass	093A	12.3	16,400	3%	CBC				7	70				40	36		6	53	Type 3	None Noted		
093A012930BL	1967	On	SH 93 ML	Irrigation Canal	093A	12.93	16,400	3%	CBC				6	70				40	36		19.8	46	Type 10	None Noted		
093A012930BR	0	On	SH 93 ML	Bike Path	093A	12.93	16,400	3%	CBC				0	0				0	0		0	0		None Noted	New bike path culvert.	
093A013370BL	1967	On	SH 93 ML	Davidson Dutch	093A	13.37	16,400	3%	CBC				7	67				40	36		12.8	64.8	Type 3	None Noted		
22																										

Structure Number	Route	Milepost	Segment	Road Name	Feature Intersected	Year Built	NHS	Latitude	Longitude	County	City	ADT	% Truck	Structure Type (CDOT Code)	Structure Type (Description)	NBI Deck Rating (NBI 58)	NBI Super. Rating (NBI 59)	NBI Sub. Rating (NBI 60)	NBI Culvert Rating (NBI 62)	Str. Evaluation (NBI 67)	Deck Geometry (NBI 68)	Under clearance (NBI 69)	Waterway Adequacy (NBI 71)	Approach Alignment (NBI 72)	Sufficiency Rating	Functional Status	Load Posting (NBI 70)	Operating Rating (tons) (NBI 64)	Inventory Rating (tons) (NBI 66)	Load Restriction	Structure Length (ft) (NBI 49)	Structure Width (Out-to-Out) (ft) (NBI 52)	Min. Vert. Clear. Above (ft)	Min. Vert. Clear. Below (ft)	Min. Horiz. Clear. (ft)	Bridge Rail	Possible Repairs within 15 years	Enterprise Structure?	Notes		
470A000731BL	470A	0.731	C470	SH 470 ML	Bike Path	1986	On	39.70306	-105.19306	Jefferson		72,100	3%	CBC	Box Culvert	N/A	N/A	N/A	7	7	N/A	N/A	N/A	8	70			5	36	36		11.5	229	N/A	N/A	N/A	N/A	None Noted	N	Previously F-16-AB MINOR	
470A000850BL	470A	0.85	C470	SH 470 ML	Unnamed Drainage	1988	On	39.70111	-105.19306	Jefferson		72,100	3%	RCPC	Conc. Pipe Culvert	N/A	N/A	N/A	7	7	N/A	N/A	N/A	7	70			5	40	36		6.9	215	N/A	N/A	N/A	N/A	None Noted	N		
470A001170BL	470A	1.17	C470	SH 470 ML	Unnamed Drainage	1988	On	39.69653	-105.19161	Jefferson	Lakewood	72,100	3%	RCPC	Conc. Pipe Culvert	N/A	N/A	N/A	7	7	N/A	N/A	N/A	7	70			5	40	36		5.7	255	N/A	N/A	N/A	N/A	None Noted	N		
470A001710BL	470A	1.71	C470	SH 470 ML	Unnamed Drainage	1988	On	39.68972	-105.18722	Jefferson	Lakewood	72,100	3%	CBC	Box Culvert	N/A	N/A	N/A	7	7	N/A	N/A	N/A	7	70			5	40	36		8	274	N/A	N/A	N/A	N/A	Type 3	None Noted	N	
470A002410BL	470A	2.41	C470	SH 470 ML	Rooney Gulch	1988	On	39.67806	-105.18778	Jefferson	Lakewood	72,100	3%	CBC	Box Culvert	N/A	N/A	N/A	7	7	N/A	N/A	N/A	7	70			5	40	36		16	333	N/A	N/A	N/A	N/A	None Noted	N		
470A002970BL	470A	2.97	C470	SH 470 ML	Unnamed Drainage	1988	On	39.67167	-105.18694	Jefferson	Lakewood	72,100	3%	RCPC	Conc. Pipe Culvert	N/A	N/A	N/A	7	7	N/A	N/A	N/A	7	70			5	40	36		4.5	383	N/A	N/A	N/A	N/A	None Noted	N		
470A003630BL	470A	3.63	C470	SH 470 ML	Unnamed Drainage	1988	On	39.66222	-105.18417	Jefferson		72,100	3%	RCPC	Conc. Pipe Culvert	N/A	N/A	N/A	7	7	N/A	N/A	N/A	7	70			5	40	36		5	330	N/A	N/A	N/A	N/A	Type 4	None Noted	N	
008A002780BL	008A	2.78	C470	SH 8 ML	Unnamed Drainage	1989	On	39.65306	-105.1825	Jefferson	Morrison	12,200	3%	RCPC	Conc. Pipe Culvert	N/A	N/A	N/A	7	7	N/A	N/A	N/A	7	8	79.4		5	40	36		4.6	303	327.76	N/A	N/A	N/A	N/A	None Noted	N	
470A004580BL	470A	4.58	C470	SH 470 ML	Unnamed Drainage	1988	On	39.64778	-105.18028	Jefferson		75,200	3%	RCPC	Conc. Pipe Culvert	N/A	N/A	N/A	6	6	N/A	N/A	N/A	7	8	70		5	40	36		4.6	189	N/A	N/A	N/A	N/A	Type 4	None Noted	N	
470A005020BL	470A	5.02	C470	SH 470 ML	Unnamed Drainage	1988	On	39.64306	-105.17528	Jefferson		75,200	3%	RCPC	Conc. Pipe Culvert	N/A	N/A	N/A	6	6	N/A	N/A	N/A	7	8	70		5	40	36		16	168	N/A	N/A	N/A	N/A	None Noted	N		
470A006610BL	470A	6.61	C470	SH 470 ML	Weaver Gulch	1988	On	39.62722	-105.15528	Jefferson		58,700	4%	CBC	Box Culvert	N/A	N/A	N/A	6	6	N/A	N/A	N/A	7	8	70		5	40	36		16.2	260	N/A	N/A	N/A	N/A	None Noted	N		
MISC-F-16-SZ	N/A	0	C470	Bike Path	Dutch Creek																																				Parallel Bike Path Structure next to F-16-PH
470A008670BL	470A	8.67	C470	SH 470 ML	Unnamed Drainage	1990	On	39.59833	-105.15083	Jefferson		54,100	4%	RCPC	Conc. Pipe Culvert	N/A	N/A	N/A	6	6	N/A	N/A	N/A	7	8	70		5	40	36		4.3	248	N/A	N/A	N/A	N/A	Type 4	None Noted	N	
470A008950BL	470A	8.95	C470	SH 470 ML	Unnamed Drainage	1989	On	39.59472	-105.14917	Jefferson		54,100	4%	RCPC	Conc. Pipe Culvert	N/A	N/A	N/A	7	7	N/A	N/A	N/A	7	8	70		5	40	36		5	158	N/A	N/A	N/A	N/A	None Noted	N		
470A009080BL	470A	9.08	C470	SH 470 ML	Unnamed Drainage	1990	On	39.59306	-105.14806	Jefferson		54,100	4%	RCPC	Conc. Pipe Culvert	N/A	N/A	N/A	7	7	N/A	N/A	N/A	7	8	70		5	40	36		4.5	208	N/A	N/A	N/A	N/A	None Noted	N		
470A009220BL	470A	9.22	C470	SH 470 ML	Unnamed Drainage	1990	On	39.59139	-105.14722	Jefferson		54,100	4%	RCPC	Conc. Pipe Culvert	N/A	N/A	N/A	7	7	N/A	N/A	N/A	7	8	70		5	40	36		4	236	N/A	N/A	N/A	N/A	None Noted	N		
470A009330BL	470A	9.33	C470	SH 470 ML	Unnamed Drainage	1990	On	39.58972	-105.14667	Jefferson		54,100	4%	RCPC	Conc. Pipe Culvert	N/A	N/A	N/A	7	7	N/A	N/A	N/A	7	8	70		5	40	36		4.5	196	N/A	N/A	N/A	N/A	None Noted	N		
470A009710BL	470A	9.71	C470	SH 470 ML	Unnamed Drainage	1990	On	39.58472	-105.14417	Jefferson		54,100	4%	RCPC	Conc. Pipe Culvert	N/A	N/A	N/A	6	6	N/A	N/A	N/A	7	8	70		5	40	36		4.5	225	N/A	N/A	N/A	N/A	None Noted	N		
470A010230BL	470A	10.23	C470	SH 470 ML	Masse Draw	1987	On	39.57722	-105.14028	Jefferson		47,400	3%	CBC	Box Culvert	N/A	N/A	N/A	6	7	N/A	N/A	N/A	7	8	70		5	40	36		11.5	615	N/A	N/A	N/A	N/A	None Noted	N		
470A010650BL	470A	10.65	C470	SH 470 ML	Unnamed Drainage	1987	On	39.57306	-105.1375	Jefferson		47,400	3%	RCPC	Conc. Pipe Culvert	N/A	N/A	N/A	4	4	N/A	N/A	N/A	7	8	43		5	40	36		5	216	N/A	N/A	N/A	N/A	Repair Pipe	N		
470A010990BL	470A	10.99	C470	SH 470 ML	Unnamed Drainage	1987	On	39.56889	-105.13278	Jefferson		47,400	3%	RCPC	Conc. Pipe Culvert	N/A	N/A	N/A	7	7	N/A	N/A	N/A	7	8	70		5	40	36		18.4	198	N/A	N/A	N/A	N/A	None Noted	N		
470A011090BL	470A	11.09	C470	SH 470 ML	Unnamed Drainage	1987	On	39.56778	-105.13111	Jefferson		47,400	3%	RCPC	Conc. Pipe Culvert	N/A	N/A	N/A	7	7	N/A	N/A	N/A	7	8	70		5	40	36		8	168	N/A	N/A	N/A	N/A	None Noted	N		
470A011220BL	470A	11.22	C470	SH 470 ML	Unnamed Drainage	1987	On	39.56667	-105.13028	Jefferson		47,400	3%	RCPC	Conc. Pipe Culvert	N/A	N/A	N/A	7	7	N/A	N/A	N/A	7	8	70		5	40	36		12.9	201	N/A	N/A	N/A	N/A	None Noted	N		
470A011870BL	470A	11.87	C470	SH 470 ML	Unnamed Drainage	1987	On	39.56167	-105.12083	Jefferson		47,400	3%	RCPC	Conc. Pipe Culvert	N/A	N/A	N/A	7	7	N/A	N/A	N/A	7	8	70		5	40	36		11	210	N/A	N/A	N/A	N/A	None Noted	N		
470A012400BL	470A	12.4	C470	SH 470 ML	Unnamed Drainage	1987	On	39.56111	-105.11056	Jefferson		47,400	3%	RCPC	Conc. Pipe Culvert	N/A	N/A	N/A	7	7	N/A	N/A	N/A	7	8	70		5	40	36		5.1	534	N/A	N/A	N/A	N/A	None Noted	N		
040C286320BL	040C	286.32	C470	US 40 ML	Apex Gulch	1998	On	39.72111	-105.19917	Jefferson	Golden	18,600	6%	RCPC	Conc. Pipe Culvert	N/A	N/A	N/A	7	7	N/A	N/A	N/A	7	8	76.5		5	40	36		10.6	173	N/A	N/A	N/A	N/A	None Noted	N		
040C286320BL	040C	286.32	C470	US 40 ML	Unnamed Drainage	1998	On	39.72167	-105.19806	Jefferson	Golden	17,200	3%	RCPC	Conc. Pipe Culvert	N/A	N/A	N/A	7	7	N/A	N/A	N/A	7	8	77.2		5	40	36		11.5	145	N/A	N/A	N/A	N/A	None Noted	N		
006G273320BL	006G	273.32	US 6	US 6 ML	Kinney Run	1950	On	39.73722	-105.20389	Jefferson	Golden	39,200	3%	CBC	Box Culvert	N/A	N/A	N/A	7	7	N/A	N/A	N/A	7	8	70		5	40	36		6	106	N/A	N/A	N/A	N/A	Type 3	None Noted	N	
006G272490BL	006G	272.49	US 6	US 6 ML	Unnamed Drainage	1969	On	39.74889	-105.22639	Jefferson	Golden	26,000	3%	CMP	Metal Culvert	N/A	N/A	N/A	3	3	N/A	N/A	N/A	7	8	18.8		5	36	27		7.1	251	N/A	N/A	N/A	N/A	Type 3	Repair/Replace Pipe	N	
006G272270BL	006G	272.27	US 6	US 6 ML	Welch Ditch	1970	On	39.74972	-105.22722	Jefferson	Golden	27,800	3%	CBC	Box Culvert	N/A	N/A	N/A	6	6	N/A	N/A	N/A	7	8	70		5	40	36		6.9	150	N/A	N/A	N/A	N/A	None Noted	N		
006G272010BL	006G	272.01	US 6	US 6 ML	Pedestrian Walkway	1969	On	39.75111	-105.2325	Jefferson	Golden	27,800	3%	CBC	Box Culvert	N/A	N/A	N/A	7	7	N/A	N/A	N/A	7	8	70		5	40	36		13	91	N/A	N/A	N/A	N/A	Type 3	None Noted	N	
058A000110BL	058A	0.11	US 6	SH 58 ML	Unnamed Drainage	1966	On	39.75556	-105.23472	Jefferson	Golden	11,900	10%	CMP	Metal Culvert	N/A	N/A	N/A	6	6	N/A	N/A	N/A	7	8	70		5	40	36		6	195	N/A	N/A	N/A	N/A	None Noted	N		
093A000170BL	093A	0.17	SH 93	SH 93 ML	Unnamed Drainage	1996	On	39.75722	-105.23556	Jefferson	Golden	20,100	2%	CBC	Box Culvert	N/A	N/A	N/A	7	8	N/A	N/A	N/A	7	8	69.9		5	40	36		12	124	N/A	N/A	N/A	N/A	Type 3	None Noted	N	
093A000650BL	093A	0.65	SH 93	SH 93 ML	Unnamed Drainage	1996	On	39.76389	-105.23389	Jefferson	Golden	20,100	2%	CMP	Metal Culvert	N/A	N/A	N/A	6	7	N/A	N/A	N/A	7	8	66.9		5	40	36		42.4	115	N/A	N/A	N/A	N/A	None Noted	N		
093A001680BL	093A	1.68																																							

Structure Number	Route	Approx. Milepost	Segment	Retaining (Top)	In Front (Bottom)	Year Built	Latitude	Longitude	County	City	Structure Type	NBI Rating (NBI XX)	Sufficiency Rating	Functional Status	Structure	Structure	Moment Slab	Bridge Rail	Possible Repairs within 15 years	Notes
															Length (ft) (NBI 49)	Height (Max) (ft) (NBI 52)				
C470_1	470A	0.04	C470	WB SH 470 Ramp to I-70 EB	EB I-70 Ramp to WB SH 470		39.7125	-105.1917	Jefferson	Golden	MSE Block				182	9	U	Type 7		NE Corner of I-70/C470 Interchange
C470_2	470A	0.04	C470	Soil at ROW	WB SH 470 Ramp to I-70 EB		39.71389	-105.1917	Jefferson	Golden	MSE Block				580	8	N	Type 7		NE Corner of I-70/C470 Interchange
WALL-F-16-HL	470A	4.15	C470	EB SH 470	EB SH 470 Ramp to SH 8		39.655	-105.1817	Jefferson	Morrison	CIP Cantilever (w/Piles)				784	16	N	Type 4		NW Corner of F-16-LD
WALL-F-16-HM	470A	4.39	C470	EB SH 470	SH 8 Ramp to EB SH 470		39.65111	-105.1814	Jefferson	Morrison	CIP Cantilever				504	12	N	Type 4		SW Corner of F-16-LD
WALL-F-16-HN	470A	4.15	C470	WB SH 470	SH 8 Ramp to WB SH 470		39.65556	-105.1817	Jefferson	Morrison	CIP Cantilever (w/Piles)				487	16	N	Type 4		NE Corner of F-16-LC
WALL-F-16-HO	470A	4.39	C470	WB SH 470	WB SH 470 Ramp to SH 8		39.65111	-105.1811	Jefferson	Morrison	CIP Cantilever				458.5	13	N	Type 4		SE Corner of F-16-LC
WALL-F-16-HP	008A	2.56	C470	SH 8	Bear Creek		39.65222	-105.1856	Jefferson	Morrison	Modified Type 4 Barrier				600	4	N	Type 4		West of SH 8/C470 Interchange
WALL-F-16-HQ	008A	2.9	C470	SH 8	Sewage Treatment Plant		39.65417	-105.1794	Jefferson	Morrison	Crib Wall				322	14	N	Type 3		East of SH 8/C470 Interchange
WALL-F-16-CX	470A	4.78	C470	WB SH 470	Soda Lakes		39.64639	-105.1797	Jefferson	Morrison	CIP Cantilever				1000	20	N	Type 4		South of SH 8/C470 Interchange next to Soda Lakes
WALL-F-16-HR	470A	8.82	C470	WB SH 470	Bike Path/Dutch Creek		40.35	-105.1497	Jefferson		MSE Panel				1299	33	Y	Type 4		South of Bowles/C470 Intehchange, next to Dutch Creek
WALL-F-16-BA	470W	0.05	C470	WB SH 470	Private Property				Jefferson	Golden	MSE				920	16	Y	Type 4		NE of F-16-TX, Wall F in NH 4701-087 Plans
WALL-F-16-BB	470W	0.05	C470	WB SH 470 Ramp to WB US 6	WB SH 470 Ramp to EB US 6				Jefferson	Golden	MSE				468	19	Y	Type 4		SE of F-16-TY, Wall G in NH 4701-087 Plans
WALL-F-16-BC	470W	0.05	C470	EB US 6 Ramp to EB SH 470	WB US 6 Ramp to EB SH 470				Jefferson	Golden	MSE				622	19	Y	Type 4		SW of F-16-TZ, Wall J in NH 4701-087 Plans
WALL-F-16-BD	470W	0.05	C470	EB US 6 Ramp to EB SH 470	WB US 6 Ramp to EB SH 470				Jefferson	Golden	Precast Conc.				622	9	N/A	N/A		Soundwall on WALL-F-16-BC
WALL-F-16-BE	470W	0	C470	WB US 6 Ramp to EB SH 470	Bike Path / Private Property				Jefferson	Golden	MSE				652	18	Y	Type 4		NW of F-16-TX, Wall K in NH 4701-087 Plans
WALL-F-16-BF	470W	0	C470	WB US 6 Ramp to EB SH 470	Bike Path / Private Property				Jefferson	Golden	Precast Conc.				652	9	N/A	N/A		Soundwall on WALL-F-16-BE
WALL-F-16-BG	470W	0.1	C470	WB SH 470 Ramp to WB US 6	WB US 6				Jefferson	Golden	MSE				109	15	Y	Type 4		NW of F-16-TY, Wall Q in NH 4701-087 Plans
WALL-F-16-BH	470W	0.1	C470	WB SH 470 Ramp to WB US 6	Private Property				Jefferson	Golden	MSE				143	15	Y	Type 4		NE of F-16-TY, Wall S in NH 4701-087 Plans
WALL-F-16-BI	470W	0.1	C470	EB US 6 Ramp to EB SH 470	Private Property				Jefferson	Golden	CIP Cantilever				914	6	N	N/A		NW of F-16-TZ, Wall T in NH 4701-087 Plans
WALL-F-16-BJ	470W	0.1	C470	EB US 6 Ramp to EB SH 470	Private Property				Jefferson	Golden	Precast Conc.				914	9	N/A	N/A		Soundwall on WALL-F-16-BI
WALL-F-16-BK	470W	0	C470	SH 470 ML	Bike Path				Jefferson	Golden	CIP Cantilever				175	8	N/A	N/A		West of F-16-TX, Bike Path Wall in NH 4701-087 Plans
C470_3	470W	0	C470	SH 470 ML	Private Property				Jefferson	Golden	MSE				116	28	Y	Type 4		SE of F-16-TX, Wall C in NH 4701-086 Plans
C470_4	470W	0	C470	SH 470 ML	Private Property				Jefferson	Golden	MSE				156	21	Y	Type 4		SW of F-16-TX, Wall D in NH 4701-086 Plans
C470_5	470W	0	C470	Transmission Tower	US 40 ML				Jefferson	Golden	MSE				106	14	N	N/A		SW of F-16-TX, Wall E in NH 4701-086 Plans
C470_6	470W	0.1	C470	EB US 6 Ramp to EB SH 470	US 40 ML				Jefferson	Golden	MSE				101	18	Y	Type 4		NE of F-16-TZ, Wall P in NH 4701-086 Plans
C470_7	470W	0.1	C470	SH 470 ML	US 40 ML				Jefferson	Golden	MSE				85	28	N	N/A		SE of F-16-TZ, Wall M in NH 4701-086 Plans
US6_1	006G	274.516	US 6	US 6 / SH 470 Ramp	RTD Light Rail		39.72611	-105.2006	Jefferson	Golden	CIP Cantilever (w/Caissons)				673	30	N	N/A		West Corridor Wall A-1 and A-23
US6_2	006G	272.41	US 6	Private Property	US 6 ML		39.74806	-105.2258	Jefferson	Golden	CMU				690	8	N	N/A		
SH93_1	093A	1.27	SH 93	Private Property	SH 93 ML		39.77583	-105.2336	Jefferson	Golden	Precast Conc.				380	10	N/A	Type 7		Soundwall, North of Golden Gate Canyon Road

NWTC

Electric Transmission and Water Line Routes

Legend

- Existing Substation
- 115kV Transmission Line
- Transmission Line Corridor
- Preliminary Waterline
- Preliminary U.S. Fish and Wildlife Service Waterline
- NWTC Boundary
- Substation

U.S. Fish and Wildlife Service

- Proposed Multi Purpose Building
- Entrance Road

Trails

- Future Planned Trail
- Proposed Trail Construction
- Proposed Route of Rocky Mountain Greenway

Boundary

- City

Alternative A1

Alternative A



0 0.25 0.5 Miles
1 inch = 1,000ft when printed at 22x34"

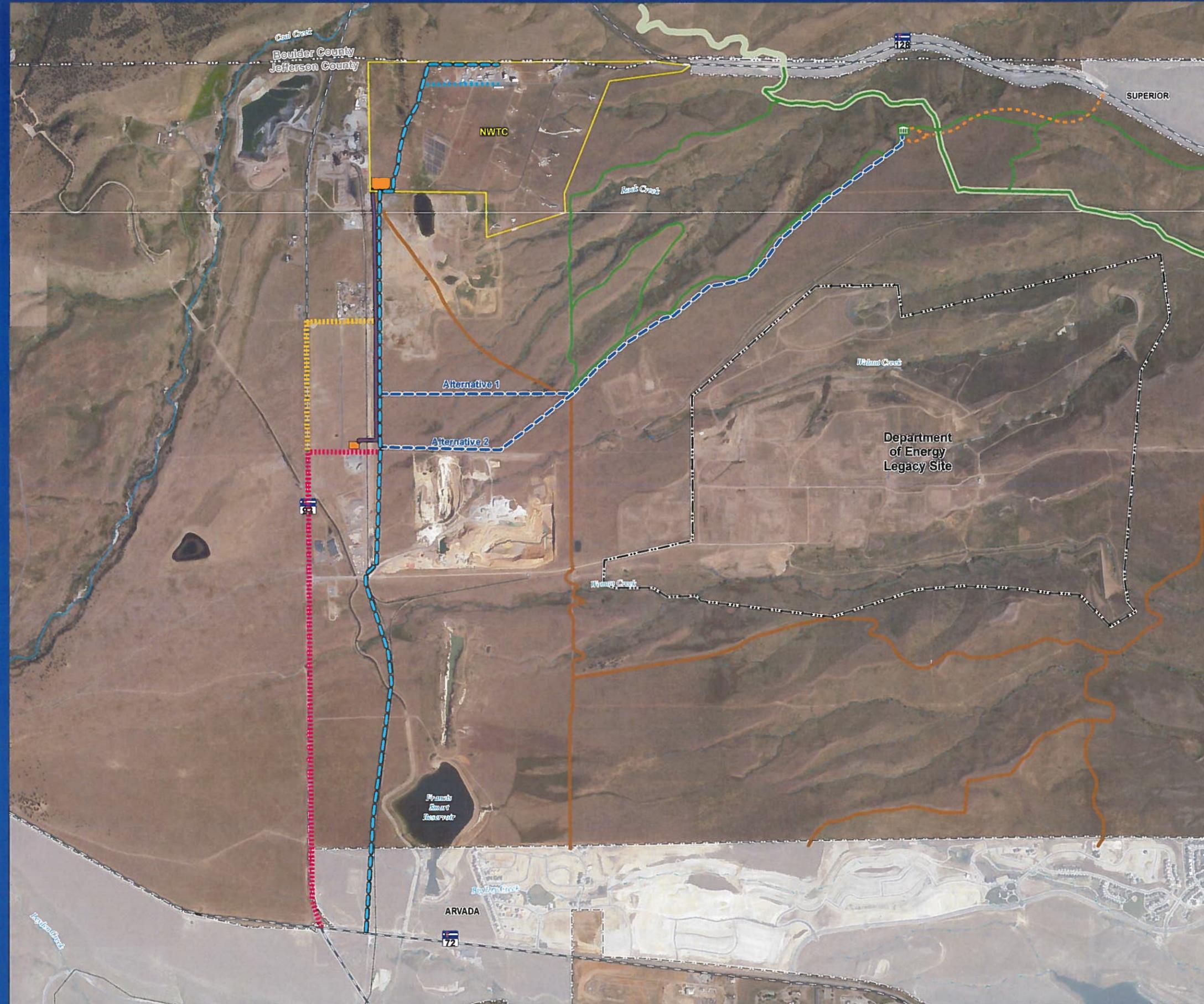
Vicinity Map



TETRA TECH

complex world | CLEAR SOLUTIONS™

Source: CDDT, CSU, BTS, ESRI, Venlyx
Path: G:\GISLibrary\Projects\NWTC_Waterline\GIS\Layouts\Vicinity_Map_170316.mxd
Date Saved: 4/25/2017





WestConnect Coalition PEL

CORRIDOR CONDITIONS REPORT

APPENDIX B: TRAFFIC COUNTS



Site Code: 3
 Station ID: 3
 KIPLING ST S/O C-470

Start Time	16-May-16		Tue		Wed		Thu		Fri		Weekday Average		Sat		Sun	
	NB	SB	NB	SB	NB	SB	NB	SB	NB	SB	NB	SB	NB	SB	NB	SB
12:00 AM	*	*	*	*	9	17	13	15	*	*	11	16	*	*	*	*
01:00	*	*	*	*	6	6	6	7	*	*	6	6	*	*	*	*
02:00	*	*	*	*	3	4	3	3	*	*	3	4	*	*	*	*
03:00	*	*	*	*	8	4	3	3	*	*	6	4	*	*	*	*
04:00	*	*	*	*	22	21	15	16	*	*	18	18	*	*	*	*
05:00	*	*	*	*	80	148	88	147	*	*	84	148	*	*	*	*
06:00	*	*	*	*	252	250	245	252	*	*	248	251	*	*	*	*
07:00	*	*	*	*	271	473	266	499	*	*	268	486	*	*	*	*
08:00	*	*	*	*	230	377	223	358	*	*	226	368	*	*	*	*
09:00	*	*	*	*	218	245	255	237	*	*	236	241	*	*	*	*
10:00	*	*	*	*	207	189	234	191	*	*	220	190	*	*	*	*
11:00	*	*	*	*	335	225	327	252	*	*	331	238	*	*	*	*
12:00 PM	*	*	*	*	273	315	286	306	*	*	280	310	*	*	*	*
01:00	*	*	*	*	217	258	226	276	*	*	222	267	*	*	*	*
02:00	*	*	*	*	293	224	318	241	*	*	306	232	*	*	*	*
03:00	*	*	*	*	449	305	436	299	*	*	442	302	*	*	*	*
04:00	*	*	*	*	512	256	524	284	*	*	518	270	*	*	*	*
05:00	*	*	*	*	460	326	423	288	*	*	442	307	*	*	*	*
06:00	*	*	*	*	224	246	240	262	*	*	232	254	*	*	*	*
07:00	*	*	*	*	140	193	136	178	*	*	138	186	*	*	*	*
08:00	*	*	*	*	82	145	88	161	*	*	85	153	*	*	*	*
09:00	*	*	*	*	61	100	61	113	*	*	61	106	*	*	*	*
10:00	*	*	*	*	28	57	27	70	*	*	28	64	*	*	*	*
11:00	*	*	*	*	24	37	21	25	*	*	22	31	*	*	*	*
Total	0	0	0	0	4404	4421	4464	4483	0	0	4433	4452	0	0	0	0
Day	0	0	0	0	8825	8947	8947	8947	0	0	8885	8885	0	0	0	0
AM Peak	-	-	-	-	11:00	07:00	11:00	07:00	-	-	11:00	07:00	-	-	-	-
Vol.	-	-	-	-	335	473	327	499	-	-	331	486	-	-	-	-
PM Peak	-	-	-	-	16:00	17:00	16:00	12:00	-	-	16:00	12:00	-	-	-	-
Vol.	-	-	-	-	512	326	524	306	-	-	518	310	-	-	-	-

Comb. Total	0	0	8825	8947	0	8885	0	0
ADT	ADT 8,415	AADT 8,415						



Site Code: 4
 Station ID: 4
 KIPLING ST N/O C-470

Start Time	16-May-16		Tue		Wed		Thu		Fri		Weekday Average		Sat		Sun	
	NB	SB	NB	SB	NB	SB	NB	SB	NB	SB	NB	SB	NB	SB	NB	SB
12:00 AM	*	*	*	*	39	39	51	30	*	*	45	34	*	*	*	*
01:00	*	*	*	*	16	19	20	20	*	*	18	20	*	*	*	*
02:00	*	*	*	*	15	15	12	19	*	*	14	17	*	*	*	*
03:00	*	*	*	*	19	26	10	21	*	*	14	24	*	*	*	*
04:00	*	*	*	*	40	92	30	81	*	*	35	86	*	*	*	*
05:00	*	*	*	*	112	337	125	373	*	*	118	355	*	*	*	*
06:00	*	*	*	*	333	836	355	846	*	*	344	841	*	*	*	*
07:00	*	*	*	*	760	909	825	886	*	*	792	898	*	*	*	*
08:00	*	*	*	*	679	769	736	739	*	*	708	754	*	*	*	*
09:00	*	*	*	*	632	634	666	696	*	*	649	665	*	*	*	*
10:00	*	*	*	*	599	604	594	598	*	*	596	601	*	*	*	*
11:00	*	*	*	*	840	696	826	749	*	*	833	722	*	*	*	*
12:00 PM	*	*	*	*	852	800	866	860	*	*	859	830	*	*	*	*
01:00	*	*	*	*	698	739	692	750	*	*	695	744	*	*	*	*
02:00	*	*	*	*	819	707	844	718	*	*	832	712	*	*	*	*
03:00	*	*	*	*	984	861	1015	840	*	*	1000	850	*	*	*	*
04:00	*	*	*	*	1097	873	1094	854	*	*	1096	864	*	*	*	*
05:00	*	*	*	*	1191	897	1256	893	*	*	1224	895	*	*	*	*
06:00	*	*	*	*	964	768	998	764	*	*	981	766	*	*	*	*
07:00	*	*	*	*	679	639	673	601	*	*	676	620	*	*	*	*
08:00	*	*	*	*	463	498	489	546	*	*	476	522	*	*	*	*
09:00	*	*	*	*	361	336	364	385	*	*	362	360	*	*	*	*
10:00	*	*	*	*	174	157	202	174	*	*	188	166	*	*	*	*
11:00	*	*	*	*	76	65	107	112	*	*	92	88	*	*	*	*
Total Day	0	0	0	0	12442	12316	12850	12555	0	0	12647	12434	0	0	0	0
AM Peak Vol.	-	-	-	-	11:00	07:00	11:00	07:00	-	-	11:00	07:00	-	-	-	-
PM Peak Vol.	-	-	-	-	17:00	17:00	17:00	17:00	-	-	17:00	17:00	-	-	-	-

Comb. Total	0	0	24758	25405	0	25081	0	0
ADT	ADT 25,082	AADT 25,082						



Site Code: 7
 Station ID: 7
 W. KEN CARYL AVE E/O C-470

Start Time	16-May-16		Tue		Wed		Thu		Fri		Weekday Average		Sat		Sun	
	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB
12:00 AM	*	*	*	*	55	42	61	61	*	*	58	52	*	*	*	*
01:00	*	*	*	*	26	26	36	28	*	*	31	27	*	*	*	*
02:00	*	*	*	*	28	15	16	13	*	*	22	14	*	*	*	*
03:00	*	*	*	*	23	26	13	20	*	*	18	23	*	*	*	*
04:00	*	*	*	*	46	56	47	67	*	*	46	62	*	*	*	*
05:00	*	*	*	*	129	289	134	273	*	*	132	281	*	*	*	*
06:00	*	*	*	*	429	712	536	798	*	*	482	755	*	*	*	*
07:00	*	*	*	*	1091	939	1053	881	*	*	1072	910	*	*	*	*
08:00	*	*	*	*	947	846	1049	875	*	*	998	860	*	*	*	*
09:00	*	*	*	*	791	690	864	716	*	*	828	703	*	*	*	*
10:00	*	*	*	*	658	626	675	621	*	*	666	624	*	*	*	*
11:00	*	*	*	*	686	719	775	708	*	*	730	714	*	*	*	*
12:00 PM	*	*	*	*	852	732	815	743	*	*	834	738	*	*	*	*
01:00	*	*	*	*	717	703	815	720	*	*	766	712	*	*	*	*
02:00	*	*	*	*	876	815	929	801	*	*	902	808	*	*	*	*
03:00	*	*	*	*	1170	938	1131	897	*	*	1150	918	*	*	*	*
04:00	*	*	*	*	1134	938	1228	961	*	*	1181	950	*	*	*	*
05:00	*	*	*	*	1230	1092	1308	1062	*	*	1269	1077	*	*	*	*
06:00	*	*	*	*	1122	946	1006	895	*	*	1064	920	*	*	*	*
07:00	*	*	*	*	659	657	635	635	*	*	647	646	*	*	*	*
08:00	*	*	*	*	528	578	587	540	*	*	558	559	*	*	*	*
09:00	*	*	*	*	408	399	522	409	*	*	465	404	*	*	*	*
10:00	*	*	*	*	278	206	236	224	*	*	257	215	*	*	*	*
11:00	*	*	*	*	104	104	142	117	*	*	123	110	*	*	*	*
Total Day	0	0	0	0	13987	13094	14613	13065	0	0	14299	13082	0	0	0	0
AM Peak Vol.	-	-	-	-	07:00	07:00	07:00	07:00	-	-	07:00	07:00	-	-	-	-
PM Peak Vol.	-	-	-	-	17:00	17:00	17:00	17:00	-	-	17:00	17:00	-	-	-	-

Comb. Total	0	0	27081	27678	0	27381	0	0
ADT	ADT 27,380	AADT 27,380						



Site Code: 8
 Station ID: 8
 W. KEN CARYL AVE W/O C-470

Start Time	16-May-16		Tue		Wed		Thu		Fri		Weekday Average		Sat		Sun	
	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB
12:00 AM	*	*	*	*	19	40	16	48	*	*	18	44	*	*	*	*
01:00	*	*	*	*	13	18	14	12	*	*	14	15	*	*	*	*
02:00	*	*	*	*	6	9	3	0	*	*	4	4	*	*	*	*
03:00	*	*	*	*	13	14	8	8	*	*	10	11	*	*	*	*
04:00	*	*	*	*	36	14	33	20	*	*	34	17	*	*	*	*
05:00	*	*	*	*	150	52	147	54	*	*	148	53	*	*	*	*
06:00	*	*	*	*	535	161	583	171	*	*	559	166	*	*	*	*
07:00	*	*	*	*	919	421	795	426	*	*	857	424	*	*	*	*
08:00	*	*	*	*	680	574	771	525	*	*	726	550	*	*	*	*
09:00	*	*	*	*	708	412	760	437	*	*	734	424	*	*	*	*
10:00	*	*	*	*	533	415	506	398	*	*	520	406	*	*	*	*
11:00	*	*	*	*	530	439	487	410	*	*	508	424	*	*	*	*
12:00 PM	*	*	*	*	501	565	428	482	*	*	464	524	*	*	*	*
01:00	*	*	*	*	519	578	479	451	*	*	499	514	*	*	*	*
02:00	*	*	*	*	550	656	482	575	*	*	516	616	*	*	*	*
03:00	*	*	*	*	773	831	680	821	*	*	726	826	*	*	*	*
04:00	*	*	*	*	778	784	677	787	*	*	728	786	*	*	*	*
05:00	*	*	*	*	662	892	618	838	*	*	640	865	*	*	*	*
06:00	*	*	*	*	588	846	438	777	*	*	513	812	*	*	*	*
07:00	*	*	*	*	346	596	242	488	*	*	294	542	*	*	*	*
08:00	*	*	*	*	249	548	155	446	*	*	202	497	*	*	*	*
09:00	*	*	*	*	156	392	117	266	*	*	136	329	*	*	*	*
10:00	*	*	*	*	84	148	66	116	*	*	75	132	*	*	*	*
11:00	*	*	*	*	39	65	41	69	*	*	40	67	*	*	*	*
Total	0	0	0	0	9387	9470	8546	8625	0	0	8965	9048	0	0	0	0
Day	0	0	0	0	18857	17171	17171	17171	0	0	18013	18013	0	0	0	0
AM Peak	-	-	-	-	07:00	08:00	07:00	08:00	-	-	07:00	08:00	-	-	-	-
Vol.	-	-	-	-	919	574	795	525	-	-	857	550	-	-	-	-
PM Peak	-	-	-	-	16:00	17:00	15:00	17:00	-	-	16:00	17:00	-	-	-	-
Vol.	-	-	-	-	778	892	680	838	-	-	728	865	-	-	-	-

Comb. Total	0	0	18857	17171	0	18013	0	0
ADT	ADT 15,134	AADT 15,134						



Site Code: 11
 Station ID: 11
 W. BOWLES AVE E/O C-470

Start Time	16-May-16		Tue		Wed		Thu		Fri		Weekday Average		Sat		Sun	
	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB
12:00 AM	*	*	*	*	64	34	52	35	*	*	58	34	*	*	*	*
01:00	*	*	*	*	24	29	29	25	*	*	26	27	*	*	*	*
02:00	*	*	*	*	28	25	16	23	*	*	22	24	*	*	*	*
03:00	*	*	*	*	16	32	28	37	*	*	22	34	*	*	*	*
04:00	*	*	*	*	31	130	36	119	*	*	34	124	*	*	*	*
05:00	*	*	*	*	91	452	92	424	*	*	92	438	*	*	*	*
06:00	*	*	*	*	308	973	302	993	*	*	305	983	*	*	*	*
07:00	*	*	*	*	688	853	596	880	*	*	642	866	*	*	*	*
08:00	*	*	*	*	587	841	684	892	*	*	636	866	*	*	*	*
09:00	*	*	*	*	623	659	690	634	*	*	656	646	*	*	*	*
10:00	*	*	*	*	568	612	648	653	*	*	608	632	*	*	*	*
11:00	*	*	*	*	758	673	715	721	*	*	736	697	*	*	*	*
12:00 PM	*	*	*	*	806	701	781	759	*	*	794	730	*	*	*	*
01:00	*	*	*	*	736	699	770	757	*	*	753	728	*	*	*	*
02:00	*	*	*	*	923	779	966	786	*	*	944	782	*	*	*	*
03:00	*	*	*	*	1139	904	1111	918	*	*	1125	911	*	*	*	*
04:00	*	*	*	*	1107	847	1282	911	*	*	1194	879	*	*	*	*
05:00	*	*	*	*	1197	913	1312	999	*	*	1254	956	*	*	*	*
06:00	*	*	*	*	1114	789	962	845	*	*	1038	817	*	*	*	*
07:00	*	*	*	*	607	601	620	593	*	*	614	597	*	*	*	*
08:00	*	*	*	*	470	477	497	426	*	*	484	452	*	*	*	*
09:00	*	*	*	*	398	346	653	345	*	*	526	346	*	*	*	*
10:00	*	*	*	*	215	165	246	210	*	*	230	188	*	*	*	*
11:00	*	*	*	*	105	83	134	128	*	*	120	106	*	*	*	*
Total	0	0	0	0	12603	12617	13222	13113	0	0	12913	12863	0	0	0	0
Day	0	0	0	0	25220	26335	26335	26335	0	0	25776	25776	0	0	0	0
AM Peak	-	-	-	-	11:00	06:00	11:00	06:00	-	-	11:00	06:00	-	-	-	-
Vol.	-	-	-	-	758	973	715	993	-	-	736	983	-	-	-	-
PM Peak	-	-	-	-	17:00	17:00	17:00	17:00	-	-	17:00	17:00	-	-	-	-
Vol.	-	-	-	-	1197	913	1312	999	-	-	1254	956	-	-	-	-

Comb. Total	0	0	25220	26335	0	25776	0	0
ADT	ADT 25,778	AADT 25,778						



Site Code: 14
 Station ID: 14
 W. QUINCY AVE E/O C-470

Start Time	16-May-16		Tue		Wed		Thu		Fri		Weekday Average		Sat		Sun	
	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB
12:00 AM	*	*	*	*	19	12	14	13	*	*	16	12	*	*	*	*
01:00	*	*	*	*	9	7	10	4	*	*	10	6	*	*	*	*
02:00	*	*	*	*	4	8	3	4	*	*	4	6	*	*	*	*
03:00	*	*	*	*	7	18	7	10	*	*	7	14	*	*	*	*
04:00	*	*	*	*	4	33	9	42	*	*	6	38	*	*	*	*
05:00	*	*	*	*	31	176	33	171	*	*	32	174	*	*	*	*
06:00	*	*	*	*	98	388	97	356	*	*	98	372	*	*	*	*
07:00	*	*	*	*	167	449	180	471	*	*	174	460	*	*	*	*
08:00	*	*	*	*	198	402	168	404	*	*	183	403	*	*	*	*
09:00	*	*	*	*	165	320	121	332	*	*	143	326	*	*	*	*
10:00	*	*	*	*	155	312	147	401	*	*	151	356	*	*	*	*
11:00	*	*	*	*	174	331	209	364	*	*	192	348	*	*	*	*
12:00 PM	*	*	*	*	204	348	211	402	*	*	208	375	*	*	*	*
01:00	*	*	*	*	167	360	167	415	*	*	167	388	*	*	*	*
02:00	*	*	*	*	213	357	222	365	*	*	218	361	*	*	*	*
03:00	*	*	*	*	291	393	304	412	*	*	298	402	*	*	*	*
04:00	*	*	*	*	331	312	344	342	*	*	338	327	*	*	*	*
05:00	*	*	*	*	370	310	406	392	*	*	388	351	*	*	*	*
06:00	*	*	*	*	367	277	315	308	*	*	341	292	*	*	*	*
07:00	*	*	*	*	250	197	206	187	*	*	228	192	*	*	*	*
08:00	*	*	*	*	181	136	178	141	*	*	180	138	*	*	*	*
09:00	*	*	*	*	127	90	179	133	*	*	153	112	*	*	*	*
10:00	*	*	*	*	58	54	87	57	*	*	72	56	*	*	*	*
11:00	*	*	*	*	32	17	35	20	*	*	34	18	*	*	*	*
Total	0	0	0	0	3622	5307	3652	5746	0	0	3641	5527	0	0	0	0
Day	0	0	0	0	8929	9398	9398	9398	0	0	9168	9168	0	0	0	0
AM Peak	-	-	-	-	08:00	07:00	11:00	07:00	-	-	11:00	07:00	-	-	-	-
Vol.	-	-	-	-	198	449	209	471	-	-	192	460	-	-	-	-
PM Peak	-	-	-	-	17:00	15:00	17:00	13:00	-	-	17:00	15:00	-	-	-	-
Vol.	-	-	-	-	370	393	406	415	-	-	388	402	-	-	-	-

Comb. Total	0	0	8929	9398	0	9168	0	0
ADT	ADT 9,164	AADT 9,164						



Site Code: 15
 Station ID: 15
 W. QUINCY AVE W/O C-470

Start Time	16-May-16		Tue		Wed		Thu		Fri		Weekday Average		Sat		Sun	
	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB
12:00 AM	*	*	*	*	4	30	5	11	*	*	4	20	*	*	*	*
01:00	*	*	*	*	6	8	3	14	*	*	4	11	*	*	*	*
02:00	*	*	*	*	1	3	2	5	*	*	2	4	*	*	*	*
03:00	*	*	*	*	4	9	2	8	*	*	3	8	*	*	*	*
04:00	*	*	*	*	5	28	9	23	*	*	7	26	*	*	*	*
05:00	*	*	*	*	45	112	43	119	*	*	44	116	*	*	*	*
06:00	*	*	*	*	122	293	118	289	*	*	120	291	*	*	*	*
07:00	*	*	*	*	170	429	189	415	*	*	180	422	*	*	*	*
08:00	*	*	*	*	172	454	185	431	*	*	178	442	*	*	*	*
09:00	*	*	*	*	168	324	182	352	*	*	175	338	*	*	*	*
10:00	*	*	*	*	154	344	203	364	*	*	178	354	*	*	*	*
11:00	*	*	*	*	167	351	234	397	*	*	200	374	*	*	*	*
12:00 PM	*	*	*	*	189	348	210	450	*	*	200	399	*	*	*	*
01:00	*	*	*	*	201	340	246	396	*	*	224	368	*	*	*	*
02:00	*	*	*	*	210	397	221	391	*	*	216	394	*	*	*	*
03:00	*	*	*	*	211	434	243	493	*	*	227	464	*	*	*	*
04:00	*	*	*	*	224	430	253	478	*	*	238	454	*	*	*	*
05:00	*	*	*	*	218	468	242	568	*	*	230	518	*	*	*	*
06:00	*	*	*	*	195	376	172	378	*	*	184	377	*	*	*	*
07:00	*	*	*	*	110	212	109	231	*	*	110	222	*	*	*	*
08:00	*	*	*	*	96	190	99	193	*	*	98	192	*	*	*	*
09:00	*	*	*	*	60	119	124	160	*	*	92	140	*	*	*	*
10:00	*	*	*	*	33	67	41	89	*	*	37	78	*	*	*	*
11:00	*	*	*	*	9	35	17	44	*	*	13	40	*	*	*	*
Total	0	0	0	0	2774	5801	3152	6299	0	0	2964	6052	0	0	0	0
Day	0	0	0	0	8575	8575	9451	9451	0	0	9016	9016	0	0	0	0
AM Peak	-	-	-	-	08:00	08:00	11:00	08:00	-	-	11:00	08:00	-	-	-	-
Vol.	-	-	-	-	172	454	234	431	-	-	200	442	-	-	-	-
PM Peak	-	-	-	-	16:00	17:00	16:00	17:00	-	-	16:00	17:00	-	-	-	-
Vol.	-	-	-	-	224	468	253	568	-	-	238	518	-	-	-	-

Comb. Total	0	0	8575	9451	0	9016	0	0
ADT	ADT 8,651	AADT 8,651						



Site Code: 16
 Station ID: 16
 W. MORRISON RD W/O C-470

Start Time	16-May-16		Tue		Wed		Thu		Fri		Weekday Average		Sat		Sun	
	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB
12:00 AM	*	*	*	*	132	46	25	22	*	*	78	34	*	*	*	*
01:00	*	*	*	*	24	15	16	14	*	*	20	14	*	*	*	*
02:00	*	*	*	*	20	8	13	5	*	*	16	6	*	*	*	*
03:00	*	*	*	*	8	3	13	12	*	*	10	8	*	*	*	*
04:00	*	*	*	*	23	31	18	27	*	*	20	29	*	*	*	*
05:00	*	*	*	*	79	81	87	88	*	*	83	84	*	*	*	*
06:00	*	*	*	*	179	195	196	244	*	*	188	220	*	*	*	*
07:00	*	*	*	*	324	579	363	561	*	*	344	570	*	*	*	*
08:00	*	*	*	*	363	975	370	781	*	*	366	878	*	*	*	*
09:00	*	*	*	*	304	434	333	447	*	*	318	440	*	*	*	*
10:00	*	*	*	*	490	360	409	412	*	*	450	386	*	*	*	*
11:00	*	*	*	*	911	473	756	490	*	*	834	482	*	*	*	*
12:00 PM	*	*	*	*	523	915	473	945	*	*	498	930	*	*	*	*
01:00	*	*	*	*	466	729	518	902	*	*	492	816	*	*	*	*
02:00	*	*	*	*	478	488	555	555	*	*	516	522	*	*	*	*
03:00	*	*	*	*	712	662	737	656	*	*	724	659	*	*	*	*
04:00	*	*	*	*	1227	735	1250	699	*	*	1238	717	*	*	*	*
05:00	*	*	*	*	1261	873	1075	937	*	*	1168	905	*	*	*	*
06:00	*	*	*	*	616	823	564	765	*	*	590	794	*	*	*	*
07:00	*	*	*	*	396	356	401	289	*	*	398	322	*	*	*	*
08:00	*	*	*	*	495	162	479	195	*	*	487	178	*	*	*	*
09:00	*	*	*	*	736	125	819	128	*	*	778	126	*	*	*	*
10:00	*	*	*	*	685	56	108	83	*	*	396	70	*	*	*	*
11:00	*	*	*	*	62	34	65	32	*	*	64	33	*	*	*	*
Total	0	0	0	0	10514	9158	9643	9289	0	0	10076	9223	0	0	0	0
Day	0	0	0	0	19672	18932	18932	18932	0	0	19299	19299	0	0	0	0
AM Peak	-	-	-	-	11:00	08:00	11:00	08:00	-	-	11:00	08:00	-	-	-	-
Vol.	-	-	-	-	911	975	756	781	-	-	834	878	-	-	-	-
PM Peak	-	-	-	-	17:00	12:00	16:00	12:00	-	-	16:00	12:00	-	-	-	-
Vol.	-	-	-	-	1261	915	1250	945	-	-	1238	930	-	-	-	-

Comb. Total	0	0	19672	18932	0	19299	0	0
ADT	ADT 17,214	AADT 17,214						



Site Code: 17
 Station ID: 17
 W. MORISSON RD E/O C-470

Start Time	16-May-16		Tue		Wed		Thu		Fri		Weekday Average		Sat		Sun	
	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB
12:00 AM	*	*	*	*	51	24	27	7	*	*	39	16	*	*	*	*
01:00	*	*	*	*	13	6	14	5	*	*	14	6	*	*	*	*
02:00	*	*	*	*	16	4	5	2	*	*	10	3	*	*	*	*
03:00	*	*	*	*	6	3	5	6	*	*	6	4	*	*	*	*
04:00	*	*	*	*	18	27	25	23	*	*	22	25	*	*	*	*
05:00	*	*	*	*	72	109	67	95	*	*	70	102	*	*	*	*
06:00	*	*	*	*	277	332	276	350	*	*	276	341	*	*	*	*
07:00	*	*	*	*	516	581	569	719	*	*	542	650	*	*	*	*
08:00	*	*	*	*	400	547	448	776	*	*	424	662	*	*	*	*
09:00	*	*	*	*	313	368	318	402	*	*	316	385	*	*	*	*
10:00	*	*	*	*	271	286	328	376	*	*	300	331	*	*	*	*
11:00	*	*	*	*	348	354	593	373	*	*	470	364	*	*	*	*
12:00 PM	*	*	*	*	331	386	370	679	*	*	350	532	*	*	*	*
01:00	*	*	*	*	364	372	354	612	*	*	359	492	*	*	*	*
02:00	*	*	*	*	386	416	491	505	*	*	438	460	*	*	*	*
03:00	*	*	*	*	566	634	634	653	*	*	600	644	*	*	*	*
04:00	*	*	*	*	616	783	925	881	*	*	770	832	*	*	*	*
05:00	*	*	*	*	744	891	737	945	*	*	740	918	*	*	*	*
06:00	*	*	*	*	533	510	568	534	*	*	550	522	*	*	*	*
07:00	*	*	*	*	312	279	316	298	*	*	314	288	*	*	*	*
08:00	*	*	*	*	295	178	271	217	*	*	283	198	*	*	*	*
09:00	*	*	*	*	190	124	289	116	*	*	240	120	*	*	*	*
10:00	*	*	*	*	108	68	108	75	*	*	108	72	*	*	*	*
11:00	*	*	*	*	47	25	58	41	*	*	52	33	*	*	*	*
Total	0	0	0	0	6793	7307	7796	8690	0	0	7293	8000	0	0	0	0
Day	0	0	0	0	14100	14100	16486	16486	0	0	15293	15293	0	0	0	0
AM Peak	-	-	-	-	07:00	07:00	11:00	08:00	-	-	07:00	08:00	-	-	-	-
Vol.	-	-	-	-	516	581	593	776	-	-	542	662	-	-	-	-
PM Peak	-	-	-	-	17:00	17:00	16:00	17:00	-	-	16:00	17:00	-	-	-	-
Vol.	-	-	-	-	744	891	925	945	-	-	770	918	-	-	-	-

Comb. Total	0	0	14100	16486	0	15293	0	0
ADT	ADT 15,293	AADT 15,293						



Site Code: 20
 Station ID: 20
 ALAMEDA PKWY E/O C-470

Start Time	16-May-16		Tue		Wed		Thu		Fri		Weekday Average		Sat		Sun	
	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB
12:00 AM	*	*	*	*	50	24	56	20	*	*	53	22	*	*	*	*
01:00	*	*	*	*	21	12	23	12	*	*	22	12	*	*	*	*
02:00	*	*	*	*	10	5	16	10	*	*	13	8	*	*	*	*
03:00	*	*	*	*	7	20	10	14	*	*	8	17	*	*	*	*
04:00	*	*	*	*	20	65	13	61	*	*	16	63	*	*	*	*
05:00	*	*	*	*	84	247	81	247	*	*	82	247	*	*	*	*
06:00	*	*	*	*	331	613	294	635	*	*	312	624	*	*	*	*
07:00	*	*	*	*	454	1110	444	1130	*	*	449	1120	*	*	*	*
08:00	*	*	*	*	486	828	505	788	*	*	496	808	*	*	*	*
09:00	*	*	*	*	393	520	385	550	*	*	389	535	*	*	*	*
10:00	*	*	*	*	322	496	362	486	*	*	342	491	*	*	*	*
11:00	*	*	*	*	472	488	537	480	*	*	504	484	*	*	*	*
12:00 PM	*	*	*	*	455	445	495	512	*	*	475	478	*	*	*	*
01:00	*	*	*	*	518	493	485	508	*	*	502	500	*	*	*	*
02:00	*	*	*	*	561	618	575	564	*	*	568	591	*	*	*	*
03:00	*	*	*	*	726	593	801	651	*	*	764	622	*	*	*	*
04:00	*	*	*	*	1297	562	1409	589	*	*	1353	576	*	*	*	*
05:00	*	*	*	*	1753	616	1495	606	*	*	1624	611	*	*	*	*
06:00	*	*	*	*	782	453	754	479	*	*	768	466	*	*	*	*
07:00	*	*	*	*	510	348	486	322	*	*	498	335	*	*	*	*
08:00	*	*	*	*	394	269	389	235	*	*	392	252	*	*	*	*
09:00	*	*	*	*	305	178	319	157	*	*	312	168	*	*	*	*
10:00	*	*	*	*	149	89	162	90	*	*	156	90	*	*	*	*
11:00	*	*	*	*	98	31	78	59	*	*	88	45	*	*	*	*
Total	0	0	0	0	10198	9123	10174	9205	0	0	10186	9165	0	0	0	0
Day	0	0	0	0	19321	19321	19379	19379	0	0	19351	19351	0	0	0	0
AM Peak	-	-	-	-	08:00	07:00	11:00	07:00	-	-	11:00	07:00	-	-	-	-
Vol.	-	-	-	-	486	1110	537	1130	-	-	504	1120	-	-	-	-
PM Peak	-	-	-	-	17:00	14:00	17:00	15:00	-	-	17:00	15:00	-	-	-	-
Vol.	-	-	-	-	1753	618	1495	651	-	-	1624	622	-	-	-	-

Comb. Total	0	0	19321	19379	0	19351	0	0
ADT	ADT 18,964	AADT 18,964						



Site Code: 21
 Station ID: 21

SB C-470 ON RAMP FROM EB-I70

RAMP EB I-70 TO SB C-470

Start Time	Mon 16-May-16	Tue	Wed	Thu	Fri	Average Day	Sat	Sun	Week Average
12:00 AM	*	*	68	76	*	72	*	*	72
01:00	*	*	34	32	*	33	*	*	33
02:00	*	*	24	34	*	29	*	*	29
03:00	*	*	23	32	*	28	*	*	28
04:00	*	*	28	21	*	24	*	*	24
05:00	*	*	74	87	*	80	*	*	80
06:00	*	*	266	266	*	266	*	*	266
07:00	*	*	445	403	*	424	*	*	424
08:00	*	*	394	463	*	428	*	*	428
09:00	*	*	347	407	*	377	*	*	377
10:00	*	*	382	442	*	412	*	*	412
11:00	*	*	470	508	*	489	*	*	489
12:00 PM	*	*	429	455	*	442	*	*	442
01:00	*	*	453	469	*	461	*	*	461
02:00	*	*	531	549	*	540	*	*	540
03:00	*	*	632	676	*	654	*	*	654
04:00	*	*	743	758	*	750	*	*	750
05:00	*	*	571	589	*	580	*	*	580
06:00	*	*	472	457	*	464	*	*	464
07:00	*	*	306	343	*	324	*	*	324
08:00	*	*	257	264	*	260	*	*	260
09:00	*	*	233	312	*	272	*	*	272
10:00	*	*	215	168	*	192	*	*	192
11:00	*	*	66	101	*	84	*	*	84
Total	0	0	7463	7912	0	7685	0	0	7685

% Avg. WkDay	0.0%	0.0%	97.1%	103.0%	0.0%	100.0%			
% Avg. Week	0.0%	0.0%	97.1%	103.0%	0.0%	100.0%	0.0%	0.0%	

AM Peak	-	-	11:00	11:00	-	11:00	-	-	-	11:00	-	-
Vol.	-	-	470	508	-	489	-	-	-	489	-	-
PM Peak	-	-	16:00	16:00	-	16:00	-	-	-	16:00	-	-
Vol.	-	-	743	758	-	750	-	-	-	750	-	-
Total	0	0	7463	7912	0	7685	0	0		7685		

ADT ADT 7,290 AADT 7,290



Site Code: 22
 Station ID: 22

WB I-70 OFF RAMP FROM SB FROM SB C-470

RAMP SB C-470 TO WB I-70

Start Time	Mon 16-May-16	Tue	Wed	Thu	Fri	Average Day	Sat	Sun	Week Average
12:00 AM	*	*	10	3	*	6	*	*	6
01:00	*	*	6	12	*	9	*	*	9
02:00	*	*	5	3	*	4	*	*	4
03:00	*	*	6	1	*	4	*	*	4
04:00	*	*	12	14	*	13	*	*	13
05:00	*	*	28	21	*	24	*	*	24
06:00	*	*	67	77	*	72	*	*	72
07:00	*	*	142	134	*	138	*	*	138
08:00	*	*	141	180	*	160	*	*	160
09:00	*	*	174	161	*	168	*	*	168
10:00	*	*	184	185	*	184	*	*	184
11:00	*	*	200	197	*	198	*	*	198
12:00 PM	*	*	185	231	*	208	*	*	208
01:00	*	*	223	215	*	219	*	*	219
02:00	*	*	207	245	*	226	*	*	226
03:00	*	*	219	248	*	234	*	*	234
04:00	*	*	237	235	*	236	*	*	236
05:00	*	*	301	292	*	296	*	*	296
06:00	*	*	206	192	*	199	*	*	199
07:00	*	*	156	146	*	151	*	*	151
08:00	*	*	102	120	*	111	*	*	111
09:00	*	*	93	89	*	91	*	*	91
10:00	*	*	30	53	*	42	*	*	42
11:00	*	*	13	17	*	15	*	*	15
Total	0	0	2947	3071	0	3008	0	0	3008

% Avg. WkDay	0.0%	0.0%	98.0%	102.1%	0.0%	100.0%			
% Avg. Week	0.0%	0.0%	98.0%	102.1%	0.0%	100.0%	0.0%	0.0%	

AM Peak	-	-	11:00	11:00	-	11:00	-	-	-	11:00	-	-
Vol.	-	-	200	197	-	198	-	-	-	198	-	-
PM Peak	-	-	17:00	17:00	-	17:00	-	-	-	17:00	-	-
Vol.	-	-	301	292	-	296	-	-	-	296	-	-
Total	0	0	2947	3071	0	3008	0	0		3008		

ADT ADT 2,937 AADT 2,937



Site Code: 23
 Station ID: 23
 EB 70 ON RAMP FROM NB C470

RAMP NB C-470 TO EB I-70

Start Time	18-May-1 Wed	SMALL	MED	LARGE						Total
12:00 AM		62	5	4						71
01:00		50	2	2						54
02:00		54	4	3						61
03:00		99	1	5						105
04:00		266	3	5						274
05:00		1024	11	19						1054
06:00		2659	23	25						2707
07:00		3069	36	31						3136
08:00		2540	42	45						2627
09:00		1735	44	42						1821
10:00		1432	58	57						1547
11:00		1432	64	44						1540
12:00 PM		1420	68	41						1529
01:00		1446	71	45						1562
02:00		1729	91	54						1874
03:00		2138	74	34						2246
04:00		2228	50	21						2299
05:00		2429	54	25						2508
06:00		1644	53	19						1716
07:00		1079	21	13						1113
08:00		810	15	7						832
09:00		646	2	6						654
10:00		284	0	6						290
11:00		156	1	5						162
Total		30431	793	558						31782
Percent		95.7%	2.5%	1.8%						
AM Peak	-	07:00	11:00	10:00	-	-	-	-	-	07:00
Vol.	-	3069	64	57	-	-	-	-	-	3136
PM Peak	-	17:00	14:00	14:00	-	-	-	-	-	17:00
Vol.	-	2429	91	54	-	-	-	-	-	2508



Site Code: 23
 Station ID: 23
 EB 70 ON RAMP FROM NB C470

Start Time	19-May-1 Thu	SMALL	MED	LARGE						Total
12:00 AM		68	5	4						77
01:00		56	2	2						60
02:00		60	4	3						67
03:00		106	1	5						112
04:00		287	3	5						295
05:00		1106	11	21						1138
06:00		2867	26	28						2921
07:00		3310	41	35						3386
08:00		2741	46	50						2837
09:00		1872	49	46						1967
10:00		1544	64	63						1671
11:00		1545	72	49						1666
12:00 PM		1533	75	46						1654
01:00		1560	80	50						1690
02:00		1864	101	61						2026
03:00		2146	92	47						2285
04:00		2404	78	42						2524
05:00		2387	63	32						2482
06:00		1811	51	16						1878
07:00		1087	21	11						1119
08:00		792	9	9						810
09:00		626	2	8						636
10:00		312	5	4						321
11:00		179	0	3						182
Total		32263	901	640						33804
Percent		95.4%	2.7%	1.9%						
AM Peak	-	07:00	11:00	10:00	-	-	-	-	-	07:00
Vol.	-	3310	72	63	-	-	-	-	-	3386
PM Peak	-	16:00	14:00	14:00	-	-	-	-	-	16:00
Vol.	-	2404	101	61	-	-	-	-	-	2524
Grand Total		62694	1694	1198						65586
Percent		95.6%	2.6%	1.8%						
ADT		ADT 32,793		AADT 32,793						



Site Code: 24
 Station ID: 24
 WB I-70 ON RAMP @ NB C-470 OFF RAMP

RAMP EB I-70 TO NB C-470

Start Time	Mon 16-May-16	Tue	Wed	Thu	Fri	Average Day	Sat	Sun	Week Average
12:00 AM	*	*	33	1	*	17	*	*	17
01:00	*	*	5	3	*	4	*	*	4
02:00	*	*	5	10	*	8	*	*	8
03:00	*	*	3	3	*	3	*	*	3
04:00	*	*	10	10	*	10	*	*	10
05:00	*	*	39	42	*	40	*	*	40
06:00	*	*	144	164	*	154	*	*	154
07:00	*	*	201	225	*	213	*	*	213
08:00	*	*	203	232	*	218	*	*	218
09:00	*	*	174	196	*	185	*	*	185
10:00	*	*	148	163	*	156	*	*	156
11:00	*	*	147	180	*	164	*	*	164
12:00 PM	*	*	141	159	*	150	*	*	150
01:00	*	*	158	181	*	170	*	*	170
02:00	*	*	146	159	*	152	*	*	152
03:00	*	*	195	172	*	184	*	*	184
04:00	*	*	163	182	*	172	*	*	172
05:00	*	*	177	183	*	180	*	*	180
06:00	*	*	123	112	*	118	*	*	118
07:00	*	*	82	86	*	84	*	*	84
08:00	*	*	64	54	*	59	*	*	59
09:00	*	*	42	49	*	46	*	*	46
10:00	*	*	24	37	*	30	*	*	30
11:00	*	*	15	13	*	14	*	*	14
Total	0	0	2442	2616	0	2531	0	0	2531
% Avg. WkDay	0.0%	0.0%	96.5%	103.4%	0.0%	100.0%			
% Avg. Week	0.0%	0.0%	96.5%	103.4%	0.0%	100.0%	0.0%	0.0%	
AM Peak	-	-	08:00	08:00	-	08:00	-	-	08:00
Vol.	-	-	203	232	-	218	-	-	218
PM Peak	-	-	15:00	17:00	-	15:00	-	-	15:00
Vol.	-	-	195	183	-	184	-	-	184
Total	0	0	2442	2616	0	2531	0	0	2531
ADT	ADT 2,496		AADT 2,496						



Site Code: 25
 Station ID: 25

NB C-470 ON RAMP TO EB I-70 OFF RAMP

RAMP NB C-470 TO WB I-70

Start Time	Mon 16-May-16	Tue	Wed	Thu	Fri	Average Day	Sat	Sun	Week Average
12:00 AM	*	*	26	22	*	24	*	*	24
01:00	*	*	17	13	*	15	*	*	15
02:00	*	*	14	23	*	18	*	*	18
03:00	*	*	19	25	*	22	*	*	22
04:00	*	*	70	66	*	68	*	*	68
05:00	*	*	132	148	*	140	*	*	140
06:00	*	*	294	368	*	331	*	*	331
07:00	*	*	497	490	*	494	*	*	494
08:00	*	*	551	617	*	584	*	*	584
09:00	*	*	545	644	*	594	*	*	594
10:00	*	*	496	567	*	532	*	*	532
11:00	*	*	425	541	*	483	*	*	483
12:00 PM	*	*	451	471	*	461	*	*	461
01:00	*	*	494	512	*	503	*	*	503
02:00	*	*	465	524	*	494	*	*	494
03:00	*	*	509	549	*	529	*	*	529
04:00	*	*	458	530	*	494	*	*	494
05:00	*	*	466	561	*	514	*	*	514
06:00	*	*	479	480	*	480	*	*	480
07:00	*	*	294	270	*	282	*	*	282
08:00	*	*	187	237	*	212	*	*	212
09:00	*	*	168	142	*	155	*	*	155
10:00	*	*	88	92	*	90	*	*	90
11:00	*	*	42	38	*	40	*	*	40
Total	0	0	7187	7930	0	7559	0	0	7559

% Avg. WkDay	0.0%	0.0%	95.1%	104.9%	0.0%	100.0%			
% Avg. Week	0.0%	0.0%	95.1%	104.9%	0.0%	100.0%	0.0%	0.0%	

AM Peak	-	-	08:00	09:00	-	09:00	-	-	09:00	-
Vol.	-	-	551	644	-	594	-	-	594	-
PM Peak	-	-	15:00	17:00	-	15:00	-	-	15:00	-
Vol.	-	-	509	561	-	529	-	-	529	-
Total	0	0	7187	7930	0	7559	0	0	7559	

ADT ADT 7,263 AADT 7,263



Site Code: 26
 Station ID: 26
 SB C470 FROM WB I-70 RAMP

RAMP WB I-70 TO SB C-470

Start Time	18-May-1 Wed	SMALL	MED	LARGE						Total
12:00 AM		175	4	5						184
01:00		66	1	7						74
02:00		45	1	6						52
03:00		55	3	8						66
04:00		138	16	10						164
05:00		415	24	52						491
06:00		1294	51	81						1426
07:00		1928	78	79						2085
08:00		1739	97	63						1899
09:00		1391	72	75						1538
10:00		1134	53	33						1220
11:00		1140	35	28						1203
12:00 PM		1281	45	39						1365
01:00		1365	43	29						1437
02:00		1945	33	30						2008
03:00		2705	29	25						2759
04:00		3192	24	17						3233
05:00		2739	19	12						2770
06:00		2000	21	9						2030
07:00		681	0	3						684
08:00		927	2	4						933
09:00		389	3	3						395
10:00		428	4	10						442
11:00		278	5	4						287
Total		27450	663	632						28745
Percent		95.5%	2.3%	2.2%						
AM Peak	-	07:00	08:00	06:00	-	-	-	-	-	07:00
Vol.	-	1928	97	81	-	-	-	-	-	2085
PM Peak	-	16:00	12:00	12:00	-	-	-	-	-	16:00
Vol.	-	3192	45	39	-	-	-	-	-	3233



Site Code: 26
 Station ID: 26
 SB C470 FROM WB I-70 RAMP

Start Time	19-May-1 Thu	SMALL	MED	LARGE						Total
12:00 AM		174	3	6						183
01:00		57	2	4						63
02:00		45	2	7						54
03:00		41	1	9						51
04:00		105	9	10						124
05:00		431	14	25						470
06:00		1300	70	43						1413
07:00		1910	65	53						2028
08:00		1673	77	38						1788
09:00		1297	48	39						1384
10:00		1147	54	32						1233
11:00		1687	48	38						1773
12:00 PM		1539	46	39						1624
01:00		1578	45	41						1664
02:00		1938	41	17						1996
03:00		2864	37	22						2923
04:00		3267	31	13						3311
05:00		2720	18	9						2747
06:00		1161	9	10						1180
07:00		744	7	3						754
08:00		1077	3	10						1090
09:00		955	3	3						961
10:00		530	3	7						540
11:00		244	2	7						253
Total		28484	638	485						29607
Percent		96.2%	2.2%	1.6%						
AM Peak	-	07:00	08:00	07:00	-	-	-	-	-	07:00
Vol.	-	1910	77	53	-	-	-	-	-	2028
PM Peak	-	16:00	12:00	13:00	-	-	-	-	-	16:00
Vol.	-	3267	46	41	-	-	-	-	-	3311
Grand Total		55934	1301	1117						58352
Percent		95.9%	2.2%	1.9%						
ADT		ADT 29,176		AADT 29,176						



Site Code: 27
 Station ID: 27
 NB C-470 N/O I-70

Start Time	Mon 16-May-16	Tue	Wed	Thu	Fri	Average Day	Sat	Sun	Week Average
12:00 AM	*	*	77	25	*	51	*	*	51
01:00	*	*	24	20	*	22	*	*	22
02:00	*	*	12	21	*	16	*	*	16
03:00	*	*	25	23	*	24	*	*	24
04:00	*	*	112	92	*	102	*	*	102
05:00	*	*	508	477	*	492	*	*	492
06:00	*	*	1287	1201	*	1244	*	*	1244
07:00	*	*	1613	1760	*	1686	*	*	1686
08:00	*	*	1276	1488	*	1382	*	*	1382
09:00	*	*	889	1037	*	963	*	*	963
10:00	*	*	665	777	*	721	*	*	721
11:00	*	*	618	721	*	670	*	*	670
12:00 PM	*	*	735	777	*	756	*	*	756
01:00	*	*	712	795	*	754	*	*	754
02:00	*	*	841	865	*	853	*	*	853
03:00	*	*	950	928	*	939	*	*	939
04:00	*	*	1009	1085	*	1047	*	*	1047
05:00	*	*	1079	1053	*	1066	*	*	1066
06:00	*	*	659	641	*	650	*	*	650
07:00	*	*	369	326	*	348	*	*	348
08:00	*	*	281	231	*	256	*	*	256
09:00	*	*	188	176	*	182	*	*	182
10:00	*	*	164	146	*	155	*	*	155
11:00	*	*	234	40	*	137	*	*	137
Total	0	0	14327	14705	0	14516	0	0	14516
% Avg. WkDay	0.0%	0.0%	98.7%	101.3%	0.0%	100.0%			
% Avg. Week	0.0%	0.0%	98.7%	101.3%	0.0%	100.0%	0.0%	0.0%	
AM Peak	-	-	07:00	07:00	-	07:00	-	-	07:00
Vol.	-	-	1613	1760	-	1686	-	-	1686
PM Peak	-	-	17:00	16:00	-	17:00	-	-	17:00
Vol.	-	-	1079	1085	-	1066	-	-	1066
Total	0	0	14327	14705	0	14516	0	0	14516
ADT	ADT 14,516	AADT 14,516							



Site Code: 28
 Station ID: 28
 SB C470 N/O I-70

Start Time	Mon 16-May-16	Tue	Wed	Thu	Fri	Average Day	Sat	Sun	Week Average
12:00 AM	*	*	72	59	*	66	*	*	66
01:00	*	*	29	38	*	34	*	*	34
02:00	*	*	25	25	*	25	*	*	25
03:00	*	*	22	28	*	25	*	*	25
04:00	*	*	38	40	*	39	*	*	39
05:00	*	*	131	159	*	145	*	*	145
06:00	*	*	503	490	*	496	*	*	496
07:00	*	*	720	738	*	729	*	*	729
08:00	*	*	609	648	*	628	*	*	628
09:00	*	*	554	525	*	540	*	*	540
10:00	*	*	488	531	*	510	*	*	510
11:00	*	*	521	535	*	528	*	*	528
12:00 PM	*	*	598	626	*	612	*	*	612
01:00	*	*	596	673	*	634	*	*	634
02:00	*	*	792	877	*	834	*	*	834
03:00	*	*	1055	1126	*	1090	*	*	1090
04:00	*	*	1255	1261	*	1258	*	*	1258
05:00	*	*	1067	1135	*	1101	*	*	1101
06:00	*	*	888	802	*	845	*	*	845
07:00	*	*	483	508	*	496	*	*	496
08:00	*	*	385	439	*	412	*	*	412
09:00	*	*	310	321	*	316	*	*	316
10:00	*	*	191	213	*	202	*	*	202
11:00	*	*	132	134	*	133	*	*	133
Total	0	0	11464	11931	0	11698	0	0	11698
% Avg. WkDay	0.0%	0.0%	98.0%	102.0%	0.0%	100.0%			
% Avg. Week	0.0%	0.0%	98.0%	102.0%	0.0%	100.0%	0.0%	0.0%	
AM Peak	-	-	07:00	07:00	-	07:00	-	-	07:00
Vol.	-	-	720	738	-	729	-	-	729
PM Peak	-	-	16:00	16:00	-	16:00	-	-	16:00
Vol.	-	-	1255	1261	-	1258	-	-	1258
Total	0	0	11464	11931	0	11698	0	0	11698
ADT	ADT 10,734		AADT 10,734						



Site Code: 29
 Station ID: 29
 EB US 285 ON @ NB C-470 OFF

RAMP NB C-470 TO EB US 285

Start Time	Mon 16-May-16	Tue	Wed	Thu	Fri	Average Day	Sat	Sun	Week Average
12:00 AM	*	*	15	12	*	14	*	*	14
01:00	*	*	11	11	*	11	*	*	11
02:00	*	*	4	5	*	4	*	*	4
03:00	*	*	5	7	*	6	*	*	6
04:00	*	*	19	12	*	16	*	*	16
05:00	*	*	74	82	*	78	*	*	78
06:00	*	*	234	223	*	228	*	*	228
07:00	*	*	276	334	*	305	*	*	305
08:00	*	*	230	302	*	266	*	*	266
09:00	*	*	225	262	*	244	*	*	244
10:00	*	*	171	205	*	188	*	*	188
11:00	*	*	201	208	*	204	*	*	204
12:00 PM	*	*	162	182	*	172	*	*	172
01:00	*	*	192	191	*	192	*	*	192
02:00	*	*	210	229	*	220	*	*	220
03:00	*	*	254	267	*	260	*	*	260
04:00	*	*	324	321	*	322	*	*	322
05:00	*	*	368	372	*	370	*	*	370
06:00	*	*	281	289	*	285	*	*	285
07:00	*	*	151	169	*	160	*	*	160
08:00	*	*	103	121	*	112	*	*	112
09:00	*	*	91	93	*	92	*	*	92
10:00	*	*	57	48	*	52	*	*	52
11:00	*	*	30	35	*	32	*	*	32
Total	0	0	3688	3980	0	3833	0	0	3833
% Avg. WkDay	0.0%	0.0%	96.2%	103.8%	0.0%	100.0%			
% Avg. Week	0.0%	0.0%	96.2%	103.8%	0.0%	100.0%	0.0%	0.0%	
AM Peak	-	-	07:00	07:00	-	07:00	-	-	07:00
Vol.	-	-	276	334	-	305	-	-	305
PM Peak	-	-	17:00	17:00	-	17:00	-	-	17:00
Vol.	-	-	368	372	-	370	-	-	370
Total	0	0	3688	3980	0	3833	0	0	3833
ADT	ADT 3,689		AADT 3,689						



Site Code: 30
 Station ID: 30

SB C-470 ON RAMP @ EB US 285 OFF RAMP

RAMP EB US 285 TO SB C-470

Start Time	Mon 16-May-16	Tue	Wed	Thu	Fri	Average Day	Sat	Sun	Week Average
12:00 AM	*	*	11	7	*	9	*	*	9
01:00	*	*	3	7	*	5	*	*	5
02:00	*	*	9	6	*	8	*	*	8
03:00	*	*	5	10	*	8	*	*	8
04:00	*	*	30	25	*	28	*	*	28
05:00	*	*	174	186	*	180	*	*	180
06:00	*	*	425	448	*	436	*	*	436
07:00	*	*	478	520	*	499	*	*	499
08:00	*	*	386	436	*	411	*	*	411
09:00	*	*	381	420	*	400	*	*	400
10:00	*	*	323	386	*	354	*	*	354
11:00	*	*	367	439	*	403	*	*	403
12:00 PM	*	*	298	343	*	320	*	*	320
01:00	*	*	286	369	*	328	*	*	328
02:00	*	*	298	354	*	326	*	*	326
03:00	*	*	321	361	*	341	*	*	341
04:00	*	*	319	368	*	344	*	*	344
05:00	*	*	366	319	*	342	*	*	342
06:00	*	*	199	232	*	216	*	*	216
07:00	*	*	143	135	*	139	*	*	139
08:00	*	*	113	118	*	116	*	*	116
09:00	*	*	81	152	*	116	*	*	116
10:00	*	*	53	36	*	44	*	*	44
11:00	*	*	14	25	*	20	*	*	20
Total	0	0	5083	5702	0	5393	0	0	5393
% Avg. WkDay	0.0%	0.0%	94.3%	105.7%	0.0%	100.0%			
% Avg. Week	0.0%	0.0%	94.3%	105.7%	0.0%	100.0%	0.0%	0.0%	
AM Peak	-	-	07:00	07:00	-	07:00	-	-	07:00
Vol.	-	-	478	520	-	499	-	-	499
PM Peak	-	-	17:00	13:00	-	16:00	-	-	16:00
Vol.	-	-	366	369	-	344	-	-	344
Total	0	0	5083	5702	0	5393	0	0	5393
ADT	ADT 5,064		AADT 5,064						



Site Code: 31
 Station ID: 31
 WB 285 TO NB C-470 ON RAMP

RAMP WB US 285 TO NB C-470

Start Time	Mon 16-May-16	Tue	Wed	Thu	Fri	Average Day	Sat	Sun	Week Average
12:00 AM	*	*	31	28	*	30	*	*	30
01:00	*	*	14	17	*	16	*	*	16
02:00	*	*	15	17	*	16	*	*	16
03:00	*	*	24	21	*	22	*	*	22
04:00	*	*	71	76	*	74	*	*	74
05:00	*	*	261	260	*	260	*	*	260
06:00	*	*	605	663	*	634	*	*	634
07:00	*	*	1219	1131	*	1175	*	*	1175
08:00	*	*	822	828	*	825	*	*	825
09:00	*	*	536	590	*	563	*	*	563
10:00	*	*	436	498	*	467	*	*	467
11:00	*	*	451	528	*	490	*	*	490
12:00 PM	*	*	521	620	*	570	*	*	570
01:00	*	*	567	652	*	610	*	*	610
02:00	*	*	638	699	*	668	*	*	668
03:00	*	*	780	706	*	743	*	*	743
04:00	*	*	835	803	*	819	*	*	819
05:00	*	*	808	768	*	788	*	*	788
06:00	*	*	507	516	*	512	*	*	512
07:00	*	*	290	312	*	301	*	*	301
08:00	*	*	260	212	*	236	*	*	236
09:00	*	*	147	152	*	150	*	*	150
10:00	*	*	84	84	*	84	*	*	84
11:00	*	*	54	61	*	58	*	*	58
Total	0	0	9976	10242	0	10111	0	0	10111

% Avg. WkDay	0.0%	0.0%	98.7%	101.3%	0.0%	100.0%			
% Avg. Week	0.0%	0.0%	98.7%	101.3%	0.0%	100.0%	0.0%	0.0%	

AM Peak	-	-	07:00	07:00	-	07:00	-	-	-	07:00	-
Vol.	-	-	1219	1131	-	1175	-	-	-	1175	-
PM Peak	-	-	16:00	16:00	-	16:00	-	-	-	16:00	-
Vol.	-	-	835	803	-	819	-	-	-	819	-
Total	0	0	9976	10242	0	10111	0	0	0	10111	

ADT ADT 8,142 AADT 8,142



Site Code: 32
 Station ID: 32
 WB US 285 TO SB C-470

RAMP SB C-470 TO WB US 285

Start Time	Mon 16-May-16	Tue	Wed	Thu	Fri	Average Day	Sat	Sun	Week Average
12:00 AM	*	*	70	73	*	72	*	*	72
01:00	*	*	28	29	*	28	*	*	28
02:00	*	*	17	25	*	21	*	*	21
03:00	*	*	30	32	*	31	*	*	31
04:00	*	*	43	47	*	45	*	*	45
05:00	*	*	73	138	*	106	*	*	106
06:00	*	*	217	287	*	252	*	*	252
07:00	*	*	299	325	*	312	*	*	312
08:00	*	*	329	372	*	350	*	*	350
09:00	*	*	334	439	*	386	*	*	386
10:00	*	*	314	382	*	348	*	*	348
11:00	*	*	356	391	*	374	*	*	374
12:00 PM	*	*	354	387	*	370	*	*	370
01:00	*	*	465	486	*	476	*	*	476
02:00	*	*	446	521	*	484	*	*	484
03:00	*	*	644	577	*	610	*	*	610
04:00	*	*	563	633	*	598	*	*	598
05:00	*	*	599	691	*	645	*	*	645
06:00	*	*	731	666	*	698	*	*	698
07:00	*	*	411	414	*	412	*	*	412
08:00	*	*	308	328	*	318	*	*	318
09:00	*	*	237	283	*	260	*	*	260
10:00	*	*	171	196	*	184	*	*	184
11:00	*	*	100	101	*	100	*	*	100
Total	0	0	7139	7823	0	7480	0	0	7480
% Avg. WkDay	0.0%	0.0%	95.4%	104.6%	0.0%	100.0%			
% Avg. Week	0.0%	0.0%	95.4%	104.6%	0.0%	100.0%	0.0%	0.0%	
AM Peak	-	-	11:00	09:00	-	09:00	-	-	09:00
Vol.	-	-	356	439	-	386	-	-	386
PM Peak	-	-	18:00	17:00	-	18:00	-	-	18:00
Vol.	-	-	731	691	-	698	-	-	698
Total	0	0	7139	7823	0	7480	0	0	7480
ADT	ADT 7,481		AADT 7,481						



Site Code: 33
 Station ID: 33

NB C-470 ON RAMP @ EB US 285 OFF RAMP

RAMP EB US 285 TO NB C-470

Start Time	Mon 16-May-16	Tue	Wed	Thu	Fri	Average Day	Sat	Sun	Week Average
12:00 AM	*	*	27	18	*	22	*	*	22
01:00	*	*	16	22	*	19	*	*	19
02:00	*	*	23	27	*	25	*	*	25
03:00	*	*	28	44	*	36	*	*	36
04:00	*	*	115	111	*	113	*	*	113
05:00	*	*	369	405	*	387	*	*	387
06:00	*	*	790	838	*	814	*	*	814
07:00	*	*	768	844	*	806	*	*	806
08:00	*	*	655	663	*	659	*	*	659
09:00	*	*	538	562	*	550	*	*	550
10:00	*	*	482	526	*	504	*	*	504
11:00	*	*	444	507	*	476	*	*	476
12:00 PM	*	*	411	452	*	432	*	*	432
01:00	*	*	453	479	*	466	*	*	466
02:00	*	*	448	432	*	440	*	*	440
03:00	*	*	373	400	*	386	*	*	386
04:00	*	*	346	446	*	396	*	*	396
05:00	*	*	390	465	*	428	*	*	428
06:00	*	*	283	279	*	281	*	*	281
07:00	*	*	225	204	*	214	*	*	214
08:00	*	*	154	183	*	168	*	*	168
09:00	*	*	98	135	*	116	*	*	116
10:00	*	*	87	81	*	84	*	*	84
11:00	*	*	42	50	*	46	*	*	46
Total	0	0	7565	8173	0	7868	0	0	7868
% Avg. WkDay	0.0%	0.0%	96.1%	103.9%	0.0%	100.0%			
% Avg. Week	0.0%	0.0%	96.1%	103.9%	0.0%	100.0%	0.0%	0.0%	
AM Peak	-	-	06:00	07:00	-	06:00	-	-	06:00
Vol.	-	-	790	844	-	814	-	-	814
PM Peak	-	-	13:00	13:00	-	13:00	-	-	13:00
Vol.	-	-	453	479	-	466	-	-	466
Total	0	0	7565	8173	0	7868	0	0	7868
ADT	ADT 7,556		AADT 7,556						



Site Code: 34
 Station ID: 34
 NB C-470 TO WB US 285 ON RAMP

RAMP NB C-470 TO WB US 285

Start Time	Mon 16-May-16	Tue	Wed	Thu	Fri	Average Day	Sat	Sun	Week Average
12:00 AM	*	*	19	24	*	22	*	*	22
01:00	*	*	13	8	*	10	*	*	10
02:00	*	*	4	3	*	4	*	*	4
03:00	*	*	6	7	*	6	*	*	6
04:00	*	*	11	12	*	12	*	*	12
05:00	*	*	32	40	*	36	*	*	36
06:00	*	*	104	116	*	110	*	*	110
07:00	*	*	146	177	*	162	*	*	162
08:00	*	*	182	237	*	210	*	*	210
09:00	*	*	250	329	*	290	*	*	290
10:00	*	*	214	305	*	260	*	*	260
11:00	*	*	275	333	*	304	*	*	304
12:00 PM	*	*	295	375	*	335	*	*	335
01:00	*	*	322	369	*	346	*	*	346
02:00	*	*	320	414	*	367	*	*	367
03:00	*	*	412	402	*	407	*	*	407
04:00	*	*	486	477	*	482	*	*	482
05:00	*	*	486	501	*	494	*	*	494
06:00	*	*	526	456	*	491	*	*	491
07:00	*	*	329	298	*	314	*	*	314
08:00	*	*	189	209	*	199	*	*	199
09:00	*	*	161	171	*	166	*	*	166
10:00	*	*	82	100	*	91	*	*	91
11:00	*	*	42	39	*	40	*	*	40
Total	0	0	4906	5402	0	5158	0	0	5158
% Avg. WkDay	0.0%	0.0%	95.1%	104.7%	0.0%	100.0%			
% Avg. Week	0.0%	0.0%	95.1%	104.7%	0.0%	100.0%	0.0%	0.0%	
AM Peak	-	-	11:00	11:00	-	11:00	-	-	11:00
Vol.	-	-	275	333	-	304	-	-	304
PM Peak	-	-	18:00	17:00	-	17:00	-	-	17:00
Vol.	-	-	526	501	-	494	-	-	494
Total	0	0	4906	5402	0	5158	0	0	5158
ADT	ADT 4,984		AADT 4,984						



Site Code: 35
 Station ID: 35

SB C-470 ON RAMP @ WB US 285 OFF RAMP
RAMP WB US 285 TO SB C-470

Start Time	Mon 16-May-16	Tue	Wed	Thu	Fri	Average Day	Sat	Sun	Week Average
12:00 AM	*	*	18	14	*	16	*	*	16
01:00	*	*	2	8	*	5	*	*	5
02:00	*	*	6	5	*	6	*	*	6
03:00	*	*	8	11	*	10	*	*	10
04:00	*	*	15	12	*	14	*	*	14
05:00	*	*	68	63	*	66	*	*	66
06:00	*	*	147	154	*	150	*	*	150
07:00	*	*	308	286	*	297	*	*	297
08:00	*	*	260	268	*	264	*	*	264
09:00	*	*	163	158	*	160	*	*	160
10:00	*	*	139	143	*	141	*	*	141
11:00	*	*	145	158	*	152	*	*	152
12:00 PM	*	*	162	164	*	163	*	*	163
01:00	*	*	151	168	*	160	*	*	160
02:00	*	*	190	195	*	192	*	*	192
03:00	*	*	249	223	*	236	*	*	236
04:00	*	*	244	217	*	230	*	*	230
05:00	*	*	277	244	*	260	*	*	260
06:00	*	*	194	180	*	187	*	*	187
07:00	*	*	119	128	*	124	*	*	124
08:00	*	*	157	142	*	150	*	*	150
09:00	*	*	81	100	*	90	*	*	90
10:00	*	*	54	50	*	52	*	*	52
11:00	*	*	23	29	*	26	*	*	26
Total	0	0	3180	3120	0	3151	0	0	3151
% Avg. WkDay	0.0%	0.0%	100.9%	99.0%	0.0%	100.0%			
% Avg. Week	0.0%	0.0%	100.9%	99.0%	0.0%	100.0%	0.0%	0.0%	
AM Peak	-	-	07:00	07:00	-	07:00	-	-	07:00
Vol.	-	-	308	286	-	297	-	-	297
PM Peak	-	-	17:00	17:00	-	17:00	-	-	17:00
Vol.	-	-	277	244	-	260	-	-	260
Total	0	0	3180	3120	0	3151	0	0	3151
ADT	ADT 3,049		AADT 3,049						



Site Code: 36
 Station ID: 36

EB US 285 ON RAMP @ SB C-470 OFF RAMP

RAMP SB C-470 TO EB US 285

Start Time	Mon 16-May-16	Tue	Wed	Thu	Fri	Average Day	Sat	Sun	Week Average
12:00 AM	*	*	83	44	*	64	*	*	64
01:00	*	*	31	31	*	31	*	*	31
02:00	*	*	20	35	*	28	*	*	28
03:00	*	*	18	21	*	20	*	*	20
04:00	*	*	29	27	*	28	*	*	28
05:00	*	*	91	99	*	95	*	*	95
06:00	*	*	352	313	*	332	*	*	332
07:00	*	*	658	625	*	642	*	*	642
08:00	*	*	479	589	*	534	*	*	534
09:00	*	*	330	382	*	356	*	*	356
10:00	*	*	356	395	*	376	*	*	376
11:00	*	*	398	421	*	410	*	*	410
12:00 PM	*	*	401	413	*	407	*	*	407
01:00	*	*	382	418	*	400	*	*	400
02:00	*	*	515	551	*	533	*	*	533
03:00	*	*	595	668	*	632	*	*	632
04:00	*	*	494	622	*	558	*	*	558
05:00	*	*	466	607	*	536	*	*	536
06:00	*	*	530	503	*	516	*	*	516
07:00	*	*	303	287	*	295	*	*	295
08:00	*	*	281	267	*	274	*	*	274
09:00	*	*	219	292	*	256	*	*	256
10:00	*	*	146	134	*	140	*	*	140
11:00	*	*	77	99	*	88	*	*	88
Total	0	0	7254	7843	0	7551	0	0	7551
% Avg. WkDay	0.0%	0.0%	96.1%	103.9%	0.0%	100.0%			
% Avg. Week	0.0%	0.0%	96.1%	103.9%	0.0%	100.0%	0.0%	0.0%	
AM Peak	-	-	07:00	07:00	-	07:00	-	-	07:00
Vol.	-	-	658	625	-	642	-	-	642
PM Peak	-	-	15:00	15:00	-	15:00	-	-	15:00
Vol.	-	-	595	668	-	632	-	-	632
Total	0	0	7254	7843	0	7551	0	0	7551
ADT	ADT 7,328		AADT 7,328						



Site Code: 37
 Station ID: 37
 W. HAMPDEN AVE E/O C-470

Start Time	16-May-16		Tue		Wed		Thu		Fri		Weekday Average		Sat		Sun	
	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB
12:00 AM	*	*	*	*	126	74	63	67	*	*	94	70	*	*	*	*
01:00	*	*	*	*	58	30	55	40	*	*	56	35	*	*	*	*
02:00	*	*	*	*	32	26	47	30	*	*	40	28	*	*	*	*
03:00	*	*	*	*	36	41	42	40	*	*	39	40	*	*	*	*
04:00	*	*	*	*	99	101	92	113	*	*	96	107	*	*	*	*
05:00	*	*	*	*	313	377	328	392	*	*	320	384	*	*	*	*
06:00	*	*	*	*	1001	901	951	963	*	*	976	932	*	*	*	*
07:00	*	*	*	*	1574	1684	1597	1599	*	*	1586	1642	*	*	*	*
08:00	*	*	*	*	1215	1290	1342	1317	*	*	1278	1304	*	*	*	*
09:00	*	*	*	*	948	934	1021	961	*	*	984	948	*	*	*	*
10:00	*	*	*	*	805	823	980	907	*	*	892	865	*	*	*	*
11:00	*	*	*	*	922	838	997	948	*	*	960	893	*	*	*	*
12:00 PM	*	*	*	*	841	958	944	1135	*	*	892	1046	*	*	*	*
01:00	*	*	*	*	815	1083	912	1152	*	*	864	1118	*	*	*	*
02:00	*	*	*	*	958	1183	1011	1245	*	*	984	1214	*	*	*	*
03:00	*	*	*	*	1151	1405	1233	1524	*	*	1192	1464	*	*	*	*
04:00	*	*	*	*	1130	1660	1375	1568	*	*	1252	1614	*	*	*	*
05:00	*	*	*	*	1197	1692	1360	1620	*	*	1278	1656	*	*	*	*
06:00	*	*	*	*	1044	1152	1058	1233	*	*	1051	1192	*	*	*	*
07:00	*	*	*	*	662	706	629	754	*	*	646	730	*	*	*	*
08:00	*	*	*	*	515	636	525	669	*	*	520	652	*	*	*	*
09:00	*	*	*	*	402	382	550	386	*	*	476	384	*	*	*	*
10:00	*	*	*	*	279	217	258	241	*	*	268	229	*	*	*	*
11:00	*	*	*	*	140	119	154	135	*	*	147	127	*	*	*	*
Total	0	0	0	0	16263	18312	17524	19039	0	0	16891	18674	0	0	0	0
Day	0	0	0	0	34575		36563		0	0	35565		0	0	0	0
AM Peak	-	-	-	-	07:00	07:00	07:00	07:00	-	-	07:00	07:00	-	-	-	-
Vol.	-	-	-	-	1574	1684	1597	1599	-	-	1586	1642	-	-	-	-
PM Peak	-	-	-	-	17:00	17:00	16:00	17:00	-	-	17:00	17:00	-	-	-	-
Vol.	-	-	-	-	1197	1692	1375	1620	-	-	1278	1656	-	-	-	-

Comb. Total	0	0	34575	36563	0	35565	0	0
ADT	ADT 35,569	AA DT 35,569						



Site Code: 39
 Station ID: 39
 CO 93 N/O CO 58

NB

Start 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	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
05/18/16	0	131	11	5	10	0	0	1	0	0	0	0	0	158
01:00	0	31	5	0	1	0	0	0	0	0	0	0	0	37
02:00	0	27	2	0	0	0	0	0	0	0	0	0	0	29
03:00	0	12	3	0	0	0	0	0	0	0	0	0	0	15
04:00	0	65	13	0	5	0	0	0	0	0	0	0	0	83
05:00	0	227	81	2	35	2	0	0	7	0	0	0	0	354
06:00	3	531	123	5	73	3	0	10	3	1	1	0	0	753
07:00	7	631	128	5	67	13	1	10	6	3	0	0	0	871
08:00	8	657	114	2	53	15	0	11	7	4	1	1	0	873
09:00	6	400	85	3	49	10	0	10	11	0	0	0	0	574
10:00	3	367	77	9	41	10	0	5	9	1	1	0	0	523
11:00	4	418	88	2	42	9	0	10	13	1	1	0	0	588
12 PM	5	420	71	9	37	9	0	8	8	1	0	0	0	568
13:00	7	414	76	3	32	6	0	6	10	1	0	0	0	555
14:00	11	551	90	5	34	3	0	7	8	0	0	0	1	710
15:00	5	665	92	7	36	19	0	4	9	3	4	1	0	845
16:00	10	772	92	1	31	4	0	18	1	2	0	0	1	932
17:00	9	818	101	0	27	2	0	13	1	0	3	0	0	974
18:00	7	751	95	1	30	3	0	9	0	0	1	0	1	898
19:00	3	541	75	2	24	1	0	4	2	0	1	0	0	653
20:00	4	410	50	1	18	0	0	2	2	0	0	0	0	487
21:00	3	295	43	0	17	0	0	3	0	0	0	0	0	361
22:00	0	210	20	0	10	0	0	0	1	0	0	0	0	241
23:00	0	81	22	0	3	0	0	1	1	0	0	0	0	108
Total	95	9425	1557	62	675	109	1	132	99	17	13	2	3	12190
Percent	0.8%	77.3%	12.8%	0.5%	5.5%	0.9%	0.0%	1.1%	0.8%	0.1%	0.1%	0.0%	0.0%	
AM Peak	08:00	08:00	07:00	10:00	06:00	08:00	07:00	08:00	11:00	08:00	06:00	08:00		08:00
Vol.	8	657	128	9	73	15	1	11	13	4	1	1		873
PM Peak	14:00	17:00	17:00	12:00	12:00	15:00		16:00	13:00	15:00	15:00	15:00	14:00	17:00
Vol.	11	818	101	9	37	19		18	10	3	4	1	1	974



Site Code: 39
 Station ID: 39
 CO 93 N/O CO 58

NB

Start 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	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
05/19/16	0	49	8	0	3	0	0	0	0	0	0	0	0	60
01:00	0	28	4	0	1	0	0	0	0	0	0	0	0	33
02:00	0	20	0	0	0	0	0	0	0	0	0	0	0	20
03:00	0	28	6	0	2	0	0	0	1	0	0	0	0	37
04:00	0	61	18	0	6	0	0	2	0	0	0	0	0	87
05:00	1	197	60	3	53	4	1	10	7	1	0	0	0	337
06:00	7	485	121	7	70	10	0	14	7	1	0	1	1	724
07:00	14	588	61	4	37	10	2	9	6	1	1	0	0	733
08:00	16	555	57	5	36	7	2	8	5	1	0	0	0	692
09:00	12	444	80	5	50	16	1	10	13	0	0	0	0	631
10:00	2	386	82	10	50	13	0	8	18	2	0	0	0	571
11:00	13	433	76	7	38	19	0	7	25	2	1	0	0	621
12 PM	3	487	87	3	28	17	1	10	7	0	0	0	2	645
13:00	14	446	61	9	37	11	0	8	18	1	1	0	0	606
14:00	10	590	92	9	29	14	0	7	15	3	1	0	0	770
15:00	7	725	99	5	29	14	0	11	4	4	1	0	0	899
16:00	10	746	77	1	31	7	0	8	2	1	1	0	2	886
17:00	13	743	67	1	16	8	0	7	2	1	0	0	0	858
18:00	2	624	84	1	25	0	0	8	1	2	0	0	1	748
19:00	5	529	76	0	21	2	0	4	1	0	0	0	1	639
20:00	2	463	68	0	25	1	0	4	1	0	0	0	0	564
21:00	2	357	53	1	11	0	0	1	0	0	0	0	0	425
22:00	1	217	28	0	9	0	0	0	0	0	0	0	0	255
23:00	0	114	23	0	3	0	0	1	0	0	0	0	0	141
Total	134	9315	1388	71	610	153	7	137	133	20	6	1	7	11982
Percent	1.1%	77.7%	11.6%	0.6%	5.1%	1.3%	0.1%	1.1%	1.1%	0.2%	0.1%	0.0%	0.1%	
AM Peak	08:00	07:00	06:00	10:00	06:00	11:00	07:00	06:00	11:00	10:00	07:00	06:00	06:00	07:00
Vol.	16	588	121	10	70	19	2	14	25	2	1	1	1	733
PM Peak	13:00	16:00	15:00	13:00	13:00	12:00	12:00	15:00	13:00	15:00	13:00		12:00	15:00
Vol.	14	746	99	9	37	17	1	11	18	4	1		2	899
Grand Total	229	18740	2945	133	1285	262	8	269	232	37	19	3	10	24172
Percent	0.9%	77.5%	12.2%	0.6%	5.3%	1.1%	0.0%	1.1%	1.0%	0.2%	0.1%	0.0%	0.0%	



Site Code: 39
 Station ID: 39
 CO 93 N/O CO 58

SB

Start 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	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
05/18/16	0	44	3	0	0	0	0	0	1	0	0	0	0	48
01:00	0	14	2	0	0	0	0	0	0	0	0	0	0	16
02:00	0	13	3	0	1	0	0	0	0	0	0	0	0	17
03:00	0	16	2	0	1	0	0	0	0	0	0	0	0	19
04:00	1	34	8	0	3	0	0	1	0	0	0	0	0	47
05:00	0	152	41	0	9	0	0	0	0	0	0	0	0	202
06:00	3	542	104	4	39	7	0	4	5	1	0	0	0	709
07:00	4	893	150	4	38	3	0	6	6	0	0	0	0	1104
08:00	8	723	143	8	48	6	0	3	1	2	0	0	0	942
09:00	11	539	108	6	40	15	0	7	16	0	0	0	0	742
10:00	4	472	116	3	40	8	0	5	10	0	0	0	0	658
11:00	2	462	121	5	35	10	0	3	19	0	0	0	0	657
12 PM	2	468	124	4	34	12	0	8	20	0	0	0	0	672
13:00	7	501	127	5	41	12	0	9	12	0	0	0	0	714
14:00	13	512	118	5	35	8	0	9	9	0	0	0	0	709
15:00	4	633	147	5	40	12	0	3	3	0	0	0	0	847
16:00	18	781	170	1	53	5	0	5	1	1	0	0	0	1035
17:00	6	775	155	1	46	3	0	4	1	1	0	0	0	992
18:00	11	695	145	1	32	1	0	3	0	0	0	0	0	888
19:00	4	418	83	1	14	0	0	2	0	0	0	0	0	522
20:00	1	295	60	1	13	2	0	0	0	0	0	0	0	372
21:00	1	245	35	0	8	0	0	1	0	0	0	0	0	290
22:00	0	126	22	0	2	0	0	0	0	0	0	0	0	150
23:00	0	61	5	0	3	0	0	0	0	0	0	0	0	69
Total	100	9414	1992	54	575	104	0	73	104	5	0	0	0	12421
Percent	0.8%	75.8%	16.0%	0.4%	4.6%	0.8%	0.0%	0.6%	0.8%	0.0%	0.0%	0.0%	0.0%	
AM Peak	09:00	07:00	07:00	08:00	08:00	09:00		09:00	11:00	08:00				07:00
Vol.	11	893	150	8	48	15		7	19	2				1104
PM Peak	16:00	16:00	16:00	13:00	16:00	12:00		13:00	12:00	16:00				16:00
Vol.	18	781	170	5	53	12		9	20	1				1035



Site Code: 39
 Station ID: 39
 CO 93 N/O CO 58

SB

Start 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	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
05/19/16	0	38	5	0	1	0	0	0	1	0	0	0	0	45
01:00	0	18	1	0	1	0	0	0	0	0	0	0	0	20
02:00	0	8	8	0	0	0	0	0	0	0	0	0	0	16
03:00	0	19	6	0	2	0	0	1	0	0	0	0	0	28
04:00	1	46	10	0	1	0	0	0	1	0	0	0	0	59
05:00	1	141	46	0	20	3	0	2	0	0	0	0	0	213
06:00	4	535	94	4	42	13	0	7	4	0	0	0	1	704
07:00	10	623	90	1	27	5	0	1	4	0	0	0	0	761
08:00	8	500	80	3	27	9	0	7	13	0	0	0	0	647
09:00	7	525	115	6	40	26	0	7	27	0	0	0	0	753
10:00	6	515	118	13	30	18	0	8	19	0	0	0	2	729
11:00	7	481	120	5	36	15	0	8	24	0	0	0	0	696
12 PM	6	478	113	7	36	22	0	8	32	0	0	0	0	702
13:00	11	530	112	6	26	26	0	11	24	0	0	0	0	746
14:00	7	604	126	13	54	11	0	7	19	0	0	0	0	841
15:00	9	675	149	5	47	14	0	10	10	1	0	0	0	920
16:00	10	756	164	1	38	11	0	2	1	3	0	0	0	986
17:00	10	787	159	0	41	5	0	6	2	1	1	0	0	1012
18:00	12	694	128	2	28	6	0	1	0	0	0	0	0	871
19:00	4	453	73	1	23	1	0	2	0	0	0	0	0	557
20:00	9	319	51	1	7	0	0	3	0	0	0	0	0	390
21:00	0	248	38	0	9	0	0	0	1	0	0	0	0	296
22:00	0	159	18	0	5	0	0	0	0	0	0	0	0	182
23:00	0	86	14	0	2	0	0	0	0	0	0	0	0	102
Total	122	9238	1838	68	543	185	0	91	182	5	1	0	3	12276
Percent	1.0%	75.3%	15.0%	0.6%	4.4%	1.5%	0.0%	0.7%	1.5%	0.0%	0.0%	0.0%	0.0%	
AM Peak	07:00	07:00	11:00	10:00	06:00	09:00		10:00	09:00				10:00	07:00
Vol.	10	623	120	13	42	26		8	27				2	761
PM Peak	18:00	17:00	16:00	14:00	14:00	13:00		13:00	12:00	16:00	17:00			17:00
Vol.	12	787	164	13	54	26		11	32	3	1			1012
Grand Total	222	18652	3830	122	1118	289	0	164	286	10	1	0	3	24697
Percent	0.9%	75.5%	15.5%	0.5%	4.5%	1.2%	0.0%	0.7%	1.2%	0.0%	0.0%	0.0%	0.0%	



Site Code: 44
 Station ID: 44
 CO 93 S/O W 56TH AVE

NB

Start 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	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
05/18/16	0	137	10	3	9	0	0	0	0	0	0	0	0	159
01:00	0	22	3	0	0	0	0	0	0	0	0	0	0	25
02:00	0	22	1	0	0	0	0	0	0	0	0	0	0	23
03:00	0	11	1	0	0	0	0	0	0	0	0	0	0	12
04:00	0	42	6	0	0	0	0	0	0	0	0	0	0	48
05:00	0	207	48	2	2	1	0	0	6	0	0	0	0	266
06:00	1	558	91	1	5	4	0	2	4	0	0	0	0	666
07:00	2	814	68	0	4	15	0	2	6	1	0	0	0	912
08:00	2	813	76	0	4	10	0	1	9	0	0	0	1	916
09:00	2	478	60	2	7	8	0	0	10	0	0	0	0	567
10:00	2	484	60	0	9	15	0	3	13	0	0	0	0	586
11:00	3	465	67	0	4	9	0	1	12	1	0	0	0	562
12 PM	2	503	65	0	11	10	0	0	11	0	0	0	0	602
13:00	4	430	75	0	4	10	0	1	11	0	0	0	0	535
14:00	7	611	70	1	11	5	0	1	5	0	0	0	0	711
15:00	1	863	66	1	8	10	0	2	10	0	0	0	0	961
16:00	12	1028	78	1	7	2	0	2	2	1	0	0	0	1133
17:00	11	1129	56	1	0	2	0	1	2	0	0	0	0	1202
18:00	10	778	58	1	1	1	0	1	2	0	1	0	0	853
19:00	2	504	42	0	2	1	0	0	1	0	0	0	0	552
20:00	5	442	24	0	2	0	0	0	1	0	0	0	0	474
21:00	3	319	22	0	4	0	0	0	0	0	0	0	0	348
22:00	0	182	10	0	0	0	0	0	1	0	0	0	0	193
23:00	0	79	4	0	0	0	0	1	1	0	0	0	0	85
Total	69	10921	1061	13	94	103	0	18	107	3	1	0	1	12391
Percent	0.6%	88.1%	8.6%	0.1%	0.8%	0.8%	0.0%	0.1%	0.9%	0.0%	0.0%	0.0%	0.0%	
AM Peak	11:00	07:00	06:00	00:00	00:00	07:00		10:00	10:00	07:00			08:00	08:00
Vol.	3	814	91	3	9	15		3	13	1			1	916
PM Peak	16:00	17:00	16:00	14:00	12:00	12:00		15:00	12:00	16:00	18:00			17:00
Vol.	12	1129	78	1	11	10		2	11	1	1			1202



Site Code: 44
 Station ID: 44
 CO 93 S/O W 56TH AVE

NB

Start 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	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
05/19/16	0	47	6	0	0	0	0	0	0	0	0	0	0	53
01:00	0	20	2	0	0	0	0	0	0	0	0	0	0	22
02:00	0	18	0	0	0	0	0	0	0	0	0	0	0	18
03:00	0	20	1	0	0	0	0	0	1	0	0	0	0	22
04:00	0	44	6	0	0	0	0	1	0	0	0	0	0	51
05:00	0	187	41	0	2	2	0	0	10	0	0	0	1	243
06:00	7	572	104	2	3	13	0	1	10	0	0	0	0	712
07:00	3	785	65	2	13	20	0	4	19	1	0	0	0	912
08:00	6	764	87	0	11	22	1	0	16	0	0	1	0	908
09:00	4	478	65	3	10	16	0	0	26	0	0	0	0	602
10:00	3	491	61	0	8	19	0	2	31	1	0	0	0	616
11:00	6	509	45	1	7	19	0	1	29	0	0	0	0	617
12 PM	4	651	51	0	12	17	0	5	20	1	0	0	0	761
13:00	15	506	66	1	13	16	0	3	20	2	0	0	0	642
14:00	11	685	52	0	17	15	0	3	23	1	0	0	0	807
15:00	12	821	66	1	13	19	0	1	15	1	0	0	0	949
16:00	11	1068	65	1	4	5	0	2	1	0	0	0	0	1157
17:00	17	1079	72	0	3	4	1	7	1	0	0	0	0	1184
18:00	5	812	60	2	3	1	0	0	0	0	0	0	0	883
19:00	0	520	40	0	2	2	0	0	2	0	0	0	0	566
20:00	4	467	34	0	1	0	0	0	1	0	0	0	0	507
21:00	1	352	20	0	1	0	0	0	0	0	0	0	0	374
22:00	1	183	14	0	0	0	0	0	0	0	0	0	0	198
23:00	0	111	7	0	0	0	0	1	0	0	0	0	0	119
Total	110	11190	1030	13	123	190	2	31	225	7	0	1	1	12923
Percent	0.9%	86.6%	8.0%	0.1%	1.0%	1.5%	0.0%	0.2%	1.7%	0.1%	0.0%	0.0%	0.0%	
AM Peak	06:00	07:00	06:00	09:00	07:00	08:00	08:00	07:00	10:00	07:00		08:00	05:00	07:00
Vol.	7	785	104	3	13	22	1	4	31	1		1	1	912
PM Peak	17:00	17:00	17:00	18:00	14:00	15:00	17:00	17:00	14:00	13:00				17:00
Vol.	17	1079	72	2	17	19	1	7	23	2				1184
Grand Total	179	22111	2091	26	217	293	2	49	332	10	1	1	2	25314
Percent	0.7%	87.3%	8.3%	0.1%	0.9%	1.2%	0.0%	0.2%	1.3%	0.0%	0.0%	0.0%	0.0%	



Site Code: 44
 Station ID: 44
 CO 93 S/O W 56TH AVE

SB

Start 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	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
05/18/16	0	34	0	0	0	0	0	0	1	0	0	0	0	35
01:00	0	16	0	0	0	0	0	0	0	0	0	0	0	16
02:00	0	11	1	0	0	0	0	0	0	0	0	0	0	12
03:00	0	22	2	0	0	0	0	1	0	0	0	0	0	25
04:00	0	43	5	0	0	0	0	0	0	0	0	0	0	48
05:00	1	192	26	0	0	1	0	0	0	0	0	0	0	220
06:00	3	675	47	2	2	4	0	0	4	0	0	0	0	737
07:00	2	1023	59	1	6	4	0	0	1	0	0	0	0	1096
08:00	4	852	65	0	9	11	0	3	1	0	0	0	0	945
09:00	6	634	64	1	6	13	0	5	19	0	0	0	0	748
10:00	2	506	56	0	4	6	0	2	12	0	0	0	0	588
11:00	3	543	71	0	15	8	0	4	15	0	0	0	0	659
12 PM	3	550	75	2	3	11	0	2	13	0	0	1	0	660
13:00	5	567	66	1	12	8	0	0	13	0	0	0	1	673
14:00	1	631	68	3	9	10	0	2	4	0	0	0	0	728
15:00	4	786	90	3	8	8	0	2	6	0	0	0	0	907
16:00	6	993	110	1	14	7	0	1	2	0	0	0	0	1134
17:00	4	1053	93	3	7	5	0	1	0	0	0	0	0	1166
18:00	9	931	74	2	5	0	0	0	0	0	0	0	0	1021
19:00	3	458	28	1	1	0	0	0	0	0	0	0	0	491
20:00	1	330	20	0	0	0	0	0	0	0	0	0	0	351
21:00	2	266	11	0	0	0	0	0	0	0	0	0	0	279
22:00	0	133	9	0	1	0	0	0	0	0	0	0	0	143
23:00	1	62	2	0	0	0	0	0	0	0	0	0	0	65
Total	60	11311	1042	20	102	96	0	23	91	0	0	1	1	12747
Percent	0.5%	88.7%	8.2%	0.2%	0.8%	0.8%	0.0%	0.2%	0.7%	0.0%	0.0%	0.0%	0.0%	
AM Peak	09:00	07:00	11:00	06:00	11:00	09:00		09:00	09:00					07:00
Vol.	6	1023	71	2	15	13		5	19					1096
PM Peak	18:00	17:00	16:00	14:00	16:00	12:00		12:00	12:00			12:00	13:00	17:00
Vol.	9	1053	110	3	14	11		2	13			1	1	1166



Site Code: 44
 Station ID: 44
 CO 93 S/O W 56TH AVE

SB

Start 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	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
05/19/16	0	29	1	0	0	0	0	0	0	0	0	0	0	30
01:00	0	16	1	0	0	0	0	0	0	0	0	0	0	17
02:00	0	16	3	0	0	0	0	0	0	0	0	0	0	19
03:00	0	16	3	0	0	0	0	1	0	0	0	0	0	20
04:00	0	52	5	0	0	0	0	0	1	0	0	0	0	58
05:00	2	194	28	1	1	3	0	0	1	0	0	0	0	230
06:00	3	676	57	2	5	8	0	0	3	0	0	0	0	754
07:00	4	1043	65	1	5	9	0	0	11	1	0	0	0	1139
08:00	10	940	71	2	16	15	0	7	15	0	0	0	0	1076
09:00	6	642	64	0	14	20	0	6	25	0	0	0	0	777
10:00	4	623	55	1	14	10	1	7	18	1	0	0	0	734
11:00	2	586	62	0	7	17	0	4	23	0	0	0	0	701
12 PM	2	605	73	1	17	12	0	5	26	1	0	1	0	743
13:00	1	658	73	5	14	19	0	2	21	0	0	0	0	793
14:00	4	761	82	3	21	11	0	3	18	0	0	0	0	903
15:00	4	840	101	0	15	5	0	8	8	0	0	0	0	981
16:00	7	1004	95	2	4	9	0	1	0	2	0	0	0	1124
17:00	10	1138	80	2	5	5	0	3	2	0	1	0	0	1246
18:00	11	813	61	0	6	5	1	0	0	0	0	1	0	898
19:00	4	480	24	1	3	0	0	1	0	0	0	0	0	513
20:00	5	353	23	0	0	0	0	2	1	0	0	0	0	384
21:00	1	263	10	0	1	0	0	0	0	0	0	0	0	275
22:00	4	165	7	0	1	0	0	0	0	0	0	0	0	177
23:00	0	82	0	0	0	0	0	0	0	0	0	0	0	82
Total	84	11995	1044	21	149	148	2	50	173	5	1	2	0	13674
Percent	0.6%	87.7%	7.6%	0.2%	1.1%	1.1%	0.0%	0.4%	1.3%	0.0%	0.0%	0.0%	0.0%	
AM Peak	08:00	07:00	08:00	06:00	08:00	09:00	10:00	08:00	09:00	07:00				07:00
Vol.	10	1043	71	2	16	20	1	7	25	1				1139
PM Peak	18:00	17:00	15:00	13:00	14:00	13:00	18:00	15:00	12:00	16:00	17:00	12:00		17:00
Vol.	11	1138	101	5	21	19	1	8	26	2	1	1		1246
Grand Total	144	23306	2086	41	251	244	2	73	264	5	1	3	1	26421
Percent	0.5%	88.2%	7.9%	0.2%	1.0%	0.9%	0.0%	0.3%	1.0%	0.0%	0.0%	0.0%	0.0%	



Site Code: 47
 Station ID: 47
 58TH AVE E/O CO 93

Start Time	16-May-16		Tue		Wed		Thu		Fri		Weekday Average		Sat		Sun	
	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB
12:00 AM	*	*	*	*	16	7	7	3	*	*	12	5	*	*	*	*
01:00	*	*	*	*	2	2	3	3	*	*	2	2	*	*	*	*
02:00	*	*	*	*	0	0	4	0	*	*	2	0	*	*	*	*
03:00	*	*	*	*	4	8	2	6	*	*	3	7	*	*	*	*
04:00	*	*	*	*	1	16	0	18	*	*	0	17	*	*	*	*
05:00	*	*	*	*	4	80	11	77	*	*	8	78	*	*	*	*
06:00	*	*	*	*	46	263	65	280	*	*	56	272	*	*	*	*
07:00	*	*	*	*	96	351	119	349	*	*	108	350	*	*	*	*
08:00	*	*	*	*	138	228	144	260	*	*	141	244	*	*	*	*
09:00	*	*	*	*	118	170	122	147	*	*	120	158	*	*	*	*
10:00	*	*	*	*	134	137	114	147	*	*	124	142	*	*	*	*
11:00	*	*	*	*	141	163	137	127	*	*	139	145	*	*	*	*
12:00 PM	*	*	*	*	147	141	153	148	*	*	150	144	*	*	*	*
01:00	*	*	*	*	139	133	146	137	*	*	142	135	*	*	*	*
02:00	*	*	*	*	177	160	197	184	*	*	187	172	*	*	*	*
03:00	*	*	*	*	261	156	250	174	*	*	256	165	*	*	*	*
04:00	*	*	*	*	277	150	257	175	*	*	267	162	*	*	*	*
05:00	*	*	*	*	300	178	303	179	*	*	302	178	*	*	*	*
06:00	*	*	*	*	263	129	240	130	*	*	252	130	*	*	*	*
07:00	*	*	*	*	152	68	187	83	*	*	170	76	*	*	*	*
08:00	*	*	*	*	150	44	152	61	*	*	151	52	*	*	*	*
09:00	*	*	*	*	103	26	110	24	*	*	106	25	*	*	*	*
10:00	*	*	*	*	48	8	54	18	*	*	51	13	*	*	*	*
11:00	*	*	*	*	17	10	37	6	*	*	27	8	*	*	*	*
Total	0	0	0	0	2734	2628	2814	2736	0	0	2776	2680	0	0	0	0
Day	0	0	0	0	5362	5362	5550	5550	0	0	5456	5456	0	0	0	0
AM Peak	-	-	-	-	11:00	07:00	08:00	07:00	-	-	08:00	07:00	-	-	-	-
Vol.	-	-	-	-	141	351	144	349	-	-	141	350	-	-	-	-
PM Peak	-	-	-	-	17:00	17:00	17:00	14:00	-	-	17:00	17:00	-	-	-	-
Vol.	-	-	-	-	300	178	303	184	-	-	302	178	-	-	-	-

Comb. Total	0	0	5362	5550	0	5456	0	0
ADT	ADT 2,735	AADT 2,735						



Site Code: 48.5
 Station ID: 48.5
 CO 93 N/O W. 58TH AVE

SB

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
05/18/16	0	0	0	0	0	7	11	11	2	0	0	0	0	0	31
01:00	0	0	0	0	1	6	12	2	0	0	0	0	0	0	21
02:00	0	0	0	0	1	5	8	6	0	0	0	0	0	0	20
03:00	0	0	0	0	2	5	10	4	2	1	0	0	0	0	24
04:00	0	0	0	0	0	11	31	17	2	0	0	0	0	0	61
05:00	0	0	0	0	4	35	121	58	4	1	0	0	0	0	223
06:00	0	0	1	10	59	205	288	107	9	0	0	0	0	0	679
07:00	11	10	27	86	213	396	289	54	2	2	0	0	0	0	1090
08:00	3	4	6	47	203	375	232	51	3	0	1	0	0	0	925
09:00	1	0	2	26	77	291	333	59	2	1	0	0	0	0	792
10:00	3	0	1	34	119	225	230	47	5	0	0	0	0	0	664
11:00	1	1	6	40	115	250	229	47	4	0	0	0	0	0	693
12 PM	13	10	13	51	103	247	233	51	1	0	0	0	0	0	722
13:00	9	7	14	27	85	259	243	48	5	1	0	0	0	0	698
14:00	19	17	31	49	173	276	203	43	1	0	1	0	0	0	813
15:00	7	22	54	128	230	342	172	12	0	0	0	0	0	0	967
16:00	58	104	205	243	233	188	78	13	1	0	0	0	0	0	1123
17:00	43	105	247	163	206	183	122	18	0	0	0	0	0	0	1087
18:00	3	13	21	52	115	260	273	79	3	0	0	0	0	0	819
19:00	0	0	0	0	20	138	249	65	4	2	0	0	0	0	478
20:00	0	0	0	0	6	85	166	91	7	0	0	0	0	0	355
21:00	0	0	0	2	6	47	91	51	5	0	0	0	0	0	202
22:00	0	0	0	0	12	23	64	46	7	0	0	0	0	0	152
23:00	0	0	0	0	3	10	33	20	4	0	0	0	0	0	70
Total	171	293	628	958	1986	3869	3721	1000	73	8	2	0	0	0	12709



Site Code: 48.5
 Station ID: 48.5
 CO 93 N/O W. 58TH AVE

SB

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
05/19/16	0	0	0	0	2	2	22	8	1	0	0	0	0	0	35
01:00	0	0	0	0	0	7	5	2	1	0	0	0	0	0	15
02:00	0	0	0	0	0	6	9	5	2	0	0	0	0	0	22
03:00	0	0	0	0	0	5	6	7	4	0	0	0	0	0	22
04:00	0	0	0	0	1	21	25	11	1	1	0	0	0	0	60
05:00	0	0	0	0	6	52	124	46	1	0	0	0	0	0	229
06:00	0	1	0	12	56	203	340	79	5	1	0	0	0	0	697
07:00	63	99	85	91	157	329	236	36	3	0	0	0	0	0	1099
08:00	11	18	56	98	182	374	231	25	2	0	0	0	0	0	997
09:00	2	0	14	39	103	292	282	47	0	0	0	0	0	0	779
10:00	1	0	8	28	109	236	232	63	3	0	1	0	0	0	681
11:00	1	0	5	35	126	285	258	51	9	1	0	0	0	0	771
12 PM	0	0	2	39	115	279	245	50	3	0	0	0	0	0	733
13:00	4	8	3	23	113	290	241	42	6	0	0	0	0	0	730
14:00	7	6	54	89	152	239	222	24	0	0	0	0	0	0	793
15:00	17	33	101	118	265	309	128	24	0	0	0	0	0	0	995
16:00	28	130	201	282	297	140	40	6	0	0	0	0	0	0	1124
17:00	26	82	175	210	262	257	86	6	2	1	0	0	0	0	1107
18:00	10	19	47	90	186	286	259	42	3	0	0	0	0	0	942
19:00	1	0	1	8	37	134	273	67	7	0	0	0	0	0	528
20:00	0	0	0	2	23	137	210	44	2	0	0	0	0	0	418
21:00	0	0	0	1	4	57	114	42	3	0	0	0	0	0	221
22:00	0	0	0	0	4	26	72	37	1	0	1	0	0	0	141
23:00	0	0	0	0	3	19	48	16	5	0	0	0	0	0	91
Total	171	396	752	1165	2203	3985	3708	780	64	4	2	0	0	0	13230
Grand Total	342	689	1380	2123	4189	7854	7429	1780	137	12	4	0	0	0	25939

15th Percentile : 28 MPH
 50th Percentile : 37 MPH
 85th Percentile : 43 MPH
 95th Percentile : 46 MPH

Statistics Mean Speed(Average) : 37 MPH
 10 MPH Pace Speed : 36-45 MPH
 Number in Pace : 15283
 Percent in Pace : 58.9%
 Number of Vehicles > 55 MPH : 16
 Percent of Vehicles > 55 MPH : 0.1%



Site Code: 48
 Station ID: 48
 CO 93 N/O W. 58TH AVE

NB

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
05/18/16	0	0	0	0	0	6	8	23	48	44	13	3	1	0	146
01:00	0	0	0	0	0	0	1	2	9	9	2	1	0	0	24
02:00	0	0	0	0	0	0	0	1	7	11	3	0	0	0	22
03:00	0	0	0	0	0	0	2	0	5	2	2	0	0	0	11
04:00	0	0	0	0	0	0	2	6	12	19	7	2	0	0	48
05:00	2	0	0	0	0	4	13	27	60	79	67	17	5	0	274
06:00	2	0	0	0	1	12	51	119	123	149	194	62	3	0	716
07:00	5	0	0	0	3	8	86	229	223	284	175	28	3	1	1045
08:00	10	0	0	9	6	35	125	229	195	221	76	15	0	0	921
09:00	2	0	0	0	3	16	65	111	112	131	86	11	1	0	538
10:00	2	0	0	0	2	16	61	100	144	141	68	10	1	1	546
11:00	6	0	1	6	14	17	78	119	111	112	46	5	1	0	516
12 PM	8	0	0	0	15	18	67	104	144	131	47	12	0	0	546
13:00	7	0	0	3	5	20	47	68	133	149	39	6	1	2	480
14:00	5	0	0	1	7	23	69	119	142	167	84	12	6	0	635
15:00	4	0	1	5	7	28	115	152	202	249	92	11	2	0	868
16:00	11	0	0	1	10	21	98	247	296	355	148	27	2	0	1216
17:00	7	0	0	0	1	21	108	243	339	353	149	21	3	1	1246
18:00	4	0	0	0	0	11	54	181	152	215	142	23	5	0	787
19:00	0	0	0	0	1	1	26	83	102	138	97	19	1	0	468
20:00	2	0	0	0	1	0	19	28	106	127	63	13	4	0	363
21:00	0	0	0	0	0	1	8	13	72	115	45	5	1	0	260
22:00	0	0	0	0	0	1	2	8	41	76	24	7	0	0	159
23:00	0	0	0	0	0	0	0	2	22	34	13	1	0	0	72
Total	77	0	2	25	76	259	1105	2214	2800	3311	1682	311	40	5	11907



Site Code: 48
 Station ID: 48
 CO 93 N/O W. 58TH AVE

NB

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
05/19/16	0	0	0	0	0	0	2	1	9	19	9	3	1	2	46
01:00	0	0	0	0	0	0	0	4	2	8	7	0	0	0	21
02:00	0	0	0	0	0	0	0	1	2	6	3	3	0	0	15
03:00	0	0	0	0	0	0	0	3	7	7	4	1	0	0	22
04:00	2	0	0	0	0	1	0	5	15	17	11	5	0	0	56
05:00	2	0	0	0	1	2	11	10	42	61	80	22	10	1	242
06:00	7	0	0	0	4	22	78	146	155	133	109	57	9	0	720
07:00	15	0	0	5	9	27	127	205	214	208	163	56	4	0	1033
08:00	17	0	1	5	29	48	142	180	148	241	171	28	1	0	1011
09:00	9	0	0	3	10	38	96	105	135	138	95	14	2	0	645
10:00	6	0	0	2	8	24	70	106	118	190	74	18	3	1	620
11:00	13	0	0	4	11	18	77	113	153	149	67	10	3	0	618
12 PM	3	0	0	8	11	51	116	143	153	184	47	2	0	0	718
13:00	12	0	0	3	15	25	91	124	121	164	75	9	1	0	640
14:00	14	0	0	2	7	55	125	154	168	177	73	12	2	0	789
15:00	11	0	0	1	17	50	132	225	194	199	96	8	1	0	934
16:00	9	0	0	3	12	36	119	237	324	348	109	7	1	0	1205
17:00	12	0	0	0	0	14	92	229	283	382	149	29	0	1	1191
18:00	5	0	0	0	0	2	81	161	203	229	109	11	3	2	806
19:00	2	0	0	0	0	7	38	76	93	134	78	11	5	0	444
20:00	2	0	0	0	0	5	25	54	98	134	77	17	3	0	415
21:00	0	0	0	0	0	0	8	33	77	118	33	9	0	0	278
22:00	0	0	0	0	0	2	4	14	39	73	27	6	0	0	165
23:00	0	0	0	0	0	0	1	5	24	45	6	6	0	0	87
Total	141	0	1	36	134	427	1435	2334	2777	3364	1672	344	49	7	12721
Grand Total	218	0	3	61	210	686	2540	4548	5577	6675	3354	655	89	12	24628

15th Percentile : 44 MPH
 50th Percentile : 53 MPH
 85th Percentile : 60 MPH
 95th Percentile : 64 MPH

Statistics Mean Speed(Average) : 53 MPH
 10 MPH Pace Speed : 51-60 MPH
 Number in Pace : 12252
 Percent in Pace : 49.8%
 Number of Vehicles > 55 MPH : 10785
 Percent of Vehicles > 55 MPH : 43.8%



Site Code: 49
 Station ID: 49
 W. 64TH PKWY E/O CO 93

Start Time	16-May-16		Tue		Wed		Thu		Fri		Weekday Average		Sat		Sun	
	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB
12:00 AM	*	*	*	*	4	3	5	1	*	*	4	2	*	*	*	*
01:00	*	*	*	*	1	1	4	4	*	*	2	2	*	*	*	*
02:00	*	*	*	*	1	3	3	0	*	*	2	2	*	*	*	*
03:00	*	*	*	*	3	4	4	14	*	*	4	9	*	*	*	*
04:00	*	*	*	*	29	48	28	52	*	*	28	50	*	*	*	*
05:00	*	*	*	*	69	178	72	205	*	*	70	192	*	*	*	*
06:00	*	*	*	*	128	287	148	322	*	*	138	304	*	*	*	*
07:00	*	*	*	*	107	258	143	261	*	*	125	260	*	*	*	*
08:00	*	*	*	*	108	170	126	173	*	*	117	172	*	*	*	*
09:00	*	*	*	*	104	139	122	155	*	*	113	147	*	*	*	*
10:00	*	*	*	*	118	155	155	161	*	*	136	158	*	*	*	*
11:00	*	*	*	*	122	151	274	202	*	*	198	176	*	*	*	*
12:00 PM	*	*	*	*	114	145	149	264	*	*	132	204	*	*	*	*
01:00	*	*	*	*	169	143	194	185	*	*	182	164	*	*	*	*
02:00	*	*	*	*	231	163	224	176	*	*	228	170	*	*	*	*
03:00	*	*	*	*	360	169	350	191	*	*	355	180	*	*	*	*
04:00	*	*	*	*	385	187	391	180	*	*	388	184	*	*	*	*
05:00	*	*	*	*	288	159	241	154	*	*	264	156	*	*	*	*
06:00	*	*	*	*	122	136	119	109	*	*	120	122	*	*	*	*
07:00	*	*	*	*	107	96	92	99	*	*	100	98	*	*	*	*
08:00	*	*	*	*	52	52	50	71	*	*	51	62	*	*	*	*
09:00	*	*	*	*	37	32	36	27	*	*	36	30	*	*	*	*
10:00	*	*	*	*	15	13	16	8	*	*	16	10	*	*	*	*
11:00	*	*	*	*	7	6	10	8	*	*	8	7	*	*	*	*
Total	0	0	0	0	2681	2698	2956	3022	0	0	2817	2861	0	0	0	0
Day	0	0	0	0	5379	5379	5978	5978	0	0	5678	5678	0	0	0	0
AM Peak	-	-	-	-	06:00	06:00	11:00	06:00	-	-	11:00	06:00	-	-	-	-
Vol.	-	-	-	-	128	287	274	322	-	-	198	304	-	-	-	-
PM Peak	-	-	-	-	16:00	16:00	16:00	12:00	-	-	16:00	12:00	-	-	-	-
Vol.	-	-	-	-	385	187	391	264	-	-	388	204	-	-	-	-

Comb. Total	0	0	5379	5978	0	5678	0	0
ADT	ADT 6,048	AADT 6,048						



Site Code: 51.5
 Station ID: 51.5
 CO 93 N/O W. 68TH AVE

SB

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total
05/18/16	1	0	0	0	4	11	13	1	0	0	0	0	0	0	30
01:00	5	0	0	3	1	5	1	0	0	0	0	0	0	0	15
02:00	8	0	0	1	2	0	0	0	0	0	0	0	0	0	11
03:00	15	0	0	1	0	0	0	0	0	0	0	0	0	0	16
04:00	34	0	0	0	0	0	0	0	0	0	0	0	0	0	34
05:00	148	0	0	0	0	0	0	0	0	0	0	0	0	0	148
06:00	211	0	1	12	27	129	93	3	0	0	0	0	0	0	476
07:00	190	19	36	27	82	240	112	3	1	0	0	0	0	0	710
08:00	228	0	4	30	98	218	91	2	0	0	0	0	0	0	671
09:00	192	8	4	28	88	185	60	3	1	0	0	0	0	0	569
10:00	388	0	0	0	10	48	19	3	0	0	0	0	0	0	468
11:00	490	0	0	0	1	0	0	0	0	0	0	0	0	0	491
12 PM	505	0	0	0	0	0	0	0	0	0	0	0	0	0	505
13:00	490	0	0	0	0	0	0	0	0	0	0	0	0	0	490
14:00	426	2	8	13	21	58	44	4	0	0	0	0	0	0	576
15:00	247	22	34	56	81	203	153	8	0	0	0	0	0	0	804
16:00	84	88	131	138	278	312	104	3	0	0	0	0	0	0	1138
17:00	42	76	131	164	249	316	151	4	0	0	0	0	0	0	1133
18:00	38	71	129	164	182	227	117	8	0	0	0	0	0	0	936
19:00	1	0	0	10	49	160	151	38	2	1	0	0	0	0	412
20:00	0	0	0	4	23	106	134	18	0	0	0	0	0	0	285
21:00	0	0	0	2	33	107	100	9	0	0	0	0	0	0	251
22:00	0	0	0	3	11	53	51	13	1	0	0	0	0	0	132
23:00	0	0	0	0	2	29	25	4	0	0	0	0	0	0	60
Total	3743	286	478	656	1242	2407	1419	124	5	1	0	0	0	0	10361



Site Code: 51.5
 Station ID: 51.5
 CO 93 N/O W. 68TH AVE

SB

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
05/19/16	0	0	0	0	0	11	13	4	0	0	0	0	0	0	28
01:00	2	0	0	0	0	2	7	3	0	0	0	0	0	0	14
02:00	3	0	0	0	1	6	5	1	0	0	0	0	0	0	16
03:00	0	0	0	0	2	8	9	1	0	0	0	0	0	0	20
04:00	0	0	0	0	3	7	17	4	0	0	0	0	0	0	31
05:00	3	0	0	0	2	37	111	13	0	0	0	0	0	0	166
06:00	1	0	2	5	24	132	259	91	3	0	0	0	0	0	517
07:00	19	9	24	53	113	245	308	33	0	0	0	0	0	0	804
08:00	10	31	27	55	126	361	228	23	0	0	0	0	0	0	861
09:00	23	9	16	44	116	198	217	25	1	0	0	0	0	0	649
10:00	125	5	17	34	96	222	137	6	0	0	0	0	0	0	642
11:00	180	0	4	20	90	168	109	9	0	0	0	0	0	0	580
12 PM	514	0	0	2	1	9	4	1	0	0	0	0	0	0	531
13:00	510	4	6	6	7	5	2	0	0	0	0	0	0	0	540
14:00	554	8	8	4	10	31	11	0	0	0	0	0	0	0	626
15:00	491	15	19	41	53	63	24	3	0	0	0	0	0	0	709
16:00	338	57	81	141	129	187	76	10	0	0	0	0	0	0	1019
17:00	180	109	182	170	222	235	62	1	0	0	0	0	0	0	1161
18:00	113	14	68	93	123	229	136	9	0	0	0	0	0	0	785
19:00	1	1	3	6	28	201	191	15	2	0	0	0	0	0	448
20:00	0	0	0	5	19	143	122	14	0	0	0	0	0	0	303
21:00	0	0	0	1	14	85	124	10	0	0	0	0	0	0	234
22:00	0	0	1	2	14	70	80	9	0	0	0	0	0	0	176
23:00	0	0	0	0	3	26	37	17	0	0	0	0	0	0	83
Total	3067	262	458	682	1196	2681	2289	302	6	0	0	0	0	0	10943
Grand Total	6810	548	936	1338	2438	5088	3708	426	11	1	0	0	0	0	21304

15th Percentile : 7 MPH
 50th Percentile : 32 MPH
 85th Percentile : 41 MPH
 95th Percentile : 44 MPH

Statistics Mean Speed(Average) : 27 MPH
 10 MPH Pace Speed : 36-45 MPH
 Number in Pace : 8796
 Percent in Pace : 41.3%
 Number of Vehicles > 55 MPH : 1
 Percent of Vehicles > 55 MPH : 0.0%



Site Code: 51
 Station ID: 51
 CO 93 N/O W. 68TH AVE

NB

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
05/18/16	1	0	0	0	0	4	8	31	45	42	17	3	1	0	152
01:00	0	0	0	0	1	0	1	4	10	4	1	0	0	0	21
02:00	0	0	0	0	0	0	1	6	8	4	3	2	0	0	24
03:00	0	0	0	0	0	0	0	4	3	3	1	0	0	0	11
04:00	0	0	0	0	0	0	2	8	18	15	2	0	0	0	45
05:00	1	0	1	0	1	1	5	25	67	99	36	11	6	0	253
06:00	8	0	0	0	4	9	4	48	157	261	144	36	10	4	685
07:00	37	0	0	1	1	9	28	109	294	340	186	53	8	0	1066
08:00	24	0	0	2	3	10	28	112	269	310	139	27	4	3	931
09:00	6	0	1	0	0	10	20	58	147	177	97	22	7	2	547
10:00	9	0	1	0	2	11	40	124	187	132	35	8	0	1	550
11:00	19	0	2	1	2	12	31	88	167	131	50	13	4	1	521
12 PM	13	0	1	0	0	4	19	70	189	145	69	17	1	2	530
13:00	16	1	0	0	2	6	25	78	127	147	59	16	4	1	482
14:00	20	0	1	0	1	8	19	66	171	172	108	32	7	6	611
15:00	26	0	0	0	1	8	18	77	185	284	144	29	8	3	783
16:00	15	0	1	1	2	1	25	107	256	371	188	56	8	4	1035
17:00	22	1	1	0	0	2	21	83	360	344	213	32	12	2	1093
18:00	10	0	0	0	0	1	19	70	187	246	106	25	4	3	671
19:00	7	0	1	0	1	1	20	62	139	132	58	16	4	1	442
20:00	0	0	0	0	1	3	18	47	102	94	37	10	2	2	316
21:00	0	0	0	1	0	2	7	33	91	82	28	1	0	0	245
22:00	2	0	0	0	0	1	3	30	49	48	15	5	1	3	157
23:00	0	0	0	0	1	2	3	12	26	21	4	1	0	0	70
Total	236	2	10	6	23	105	365	1352	3254	3604	1740	415	91	38	11241



Site Code: 51
 Station ID: 51
 CO 93 N/O W. 68TH AVE

NB

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
05/19/16	0	0	0	0	0	0	3	10	13	7	8	2	2	0	45
01:00	0	0	0	0	0	1	2	4	2	7	2	0	0	0	18
02:00	0	0	0	0	0	0	3	2	4	3	1	1	0	0	14
03:00	0	0	0	0	0	0	0	7	6	7	0	2	0	0	22
04:00	2	0	0	0	0	0	3	9	21	11	3	0	0	0	49
05:00	3	0	0	1	1	3	7	27	69	76	36	9	1	1	234
06:00	19	0	0	3	2	6	17	71	195	243	118	46	15	0	735
07:00	36	0	0	1	2	16	45	115	304	356	158	28	4	0	1065
08:00	44	0	1	0	0	20	59	134	291	322	113	23	5	1	1013
09:00	27	0	0	0	1	8	42	119	189	175	67	23	6	0	657
10:00	38	1	0	0	2	2	13	90	172	168	85	26	7	1	605
11:00	41	0	2	2	2	14	23	77	162	135	88	31	5	1	583
12 PM	24	1	0	0	0	7	31	79	173	170	77	23	8	2	595
13:00	25	1	0	0	0	8	33	99	171	176	88	30	8	0	639
14:00	50	0	0	0	1	9	26	108	195	213	118	27	8	2	757
15:00	36	0	0	0	1	5	27	107	211	269	133	46	9	3	847
16:00	28	0	1	2	2	3	21	73	241	369	242	45	9	5	1041
17:00	27	0	0	0	2	0	20	120	259	333	211	69	17	6	1064
18:00	13	0	1	0	0	4	13	82	192	247	111	32	6	2	703
19:00	8	0	0	1	2	3	17	54	124	130	56	12	4	1	412
20:00	5	0	0	0	1	4	16	61	122	108	43	12	1	1	374
21:00	1	0	0	0	0	1	8	37	94	91	39	7	2	0	280
22:00	0	0	0	0	0	0	0	26	59	52	23	5	0	0	165
23:00	0	0	0	0	0	0	3	23	29	17	7	3	0	0	82
Total	427	3	5	10	19	114	432	1534	3298	3685	1827	502	117	26	11999
Grand Total	663	5	15	16	42	219	797	2886	6552	7289	3567	917	208	64	23240

15th Percentile : 47 MPH
 50th Percentile : 55 MPH
 85th Percentile : 61 MPH
 95th Percentile : 64 MPH

Statistics Mean Speed(Average) : 54 MPH
 10 MPH Pace Speed : 51-60 MPH
 Number in Pace : 13841
 Percent in Pace : 59.7%
 Number of Vehicles > 55 MPH : 12045
 Percent of Vehicles > 55 MPH : 52.0%



Site Code: 52
 Station ID: 52
 W 82ND AVE E/O CO 93

Start Time	16-May-16		Tue		Wed		Thu		Fri		Weekday Average		Sat		Sun	
	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB
12:00 AM	*	*	*	*	3	1	4	1	*	*	4	1	*	*	*	*
01:00	*	*	*	*	2	0	1	1	*	*	2	0	*	*	*	*
02:00	*	*	*	*	0	1	0	0	*	*	0	0	*	*	*	*
03:00	*	*	*	*	1	0	0	2	*	*	0	1	*	*	*	*
04:00	*	*	*	*	1	3	3	0	*	*	2	2	*	*	*	*
05:00	*	*	*	*	0	20	2	24	*	*	1	22	*	*	*	*
06:00	*	*	*	*	25	81	35	71	*	*	30	76	*	*	*	*
07:00	*	*	*	*	68	82	60	89	*	*	64	86	*	*	*	*
08:00	*	*	*	*	36	69	37	83	*	*	36	76	*	*	*	*
09:00	*	*	*	*	42	54	50	54	*	*	46	54	*	*	*	*
10:00	*	*	*	*	33	53	48	49	*	*	40	51	*	*	*	*
11:00	*	*	*	*	48	70	46	53	*	*	47	62	*	*	*	*
12:00 PM	*	*	*	*	39	43	47	40	*	*	43	42	*	*	*	*
01:00	*	*	*	*	43	48	42	50	*	*	42	49	*	*	*	*
02:00	*	*	*	*	59	39	49	49	*	*	54	44	*	*	*	*
03:00	*	*	*	*	59	46	90	55	*	*	74	50	*	*	*	*
04:00	*	*	*	*	107	47	108	43	*	*	108	45	*	*	*	*
05:00	*	*	*	*	119	34	108	60	*	*	114	47	*	*	*	*
06:00	*	*	*	*	68	40	63	52	*	*	66	46	*	*	*	*
07:00	*	*	*	*	35	29	36	30	*	*	36	30	*	*	*	*
08:00	*	*	*	*	25	15	31	19	*	*	28	17	*	*	*	*
09:00	*	*	*	*	20	8	23	5	*	*	22	6	*	*	*	*
10:00	*	*	*	*	15	4	10	4	*	*	12	4	*	*	*	*
11:00	*	*	*	*	6	3	5	5	*	*	6	4	*	*	*	*
Total	0	0	0	0	854	790	898	839	0	0	877	815	0	0	0	0
Day	0		0		1644		1737		0		1692		0		0	
AM Peak	-	-	-	-	07:00	07:00	07:00	07:00	-	-	07:00	07:00	-	-	-	-
Vol.	-	-	-	-	68	82	60	89	-	-	64	86	-	-	-	-
PM Peak	-	-	-	-	17:00	13:00	16:00	17:00	-	-	17:00	15:00	-	-	-	-
Vol.	-	-	-	-	119	48	108	60	-	-	114	50	-	-	-	-

Comb. Total	0	0	1644	1737	0	1692	0	0
ADT	ADT 1,690	AADT 1,690						



Site Code: 54.5
 Station ID: 54.5
 CO 93 N/O W. 82ND AVE

SB

Start 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	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
05/18/16	0	112	14	6	8	0	0	0	0	0	0	0	0	140
01:00	0	18	4	0	2	0	0	0	0	0	0	0	0	24
02:00	0	19	3	0	0	0	0	0	0	0	0	0	0	22
03:00	0	7	3	0	1	0	0	0	0	0	0	0	0	11
04:00	0	34	12	0	1	0	0	0	0	0	0	0	0	47
05:00	1	148	80	3	27	2	0	1	3	0	0	0	0	265
06:00	2	437	178	4	52	3	0	0	5	0	0	0	0	681
07:00	3	755	164	5	39	10	0	9	8	1	0	1	0	995
08:00	3	657	154	4	37	13	0	5	7	1	0	0	0	881
09:00	0	362	92	5	28	8	0	5	14	0	0	0	0	514
10:00	2	360	85	9	30	17	0	8	10	0	0	0	0	521
11:00	3	341	87	2	30	14	0	6	12	1	0	0	0	496
12 PM	2	375	77	7	34	8	0	6	11	1	0	0	0	521
13:00	4	326	82	2	21	11	0	3	13	0	0	0	0	462
14:00	9	453	95	2	28	12	0	4	5	0	0	0	0	608
15:00	6	651	108	7	33	14	0	3	7	0	0	0	0	829
16:00	7	920	176	5	33	3	0	10	3	0	0	0	0	1157
17:00	5	991	155	3	28	0	0	2	0	0	0	0	0	1184
18:00	2	606	106	1	30	1	0	2	1	0	1	0	0	750
19:00	1	362	68	2	9	0	0	2	1	0	0	0	0	445
20:00	5	292	39	1	8	1	0	1	0	0	0	0	0	347
21:00	1	203	34	0	9	0	0	0	0	0	0	0	0	247
22:00	0	127	22	0	1	0	0	0	1	0	0	0	0	151
23:00	0	52	14	0	0	0	0	1	1	0	0	0	0	68
Total	56	8608	1852	68	489	117	0	68	102	4	1	1	0	11366
Percent	0.5%	75.7%	16.3%	0.6%	4.3%	1.0%	0.0%	0.6%	0.9%	0.0%	0.0%	0.0%	0.0%	
AM Peak	07:00	07:00	06:00	10:00	06:00	10:00		07:00	09:00	07:00		07:00		07:00
Vol.	3	755	178	9	52	17		9	14	1		1		995
PM Peak	14:00	17:00	16:00	12:00	12:00	15:00		16:00	13:00	12:00	18:00			17:00
Vol.	9	991	176	7	34	14		10	13	1	1			1184



Site Code: 54.5
 Station ID: 54.5
 CO 93 N/O W. 82ND AVE

SB

Start 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	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
05/19/16	0	34	10	0	1	0	0	0	0	0	0	0	0	45
01:00	0	16	5	0	0	0	0	0	0	0	0	0	0	21
02:00	0	15	0	0	0	0	0	0	0	0	0	0	0	15
03:00	0	13	8	0	0	0	0	0	1	0	0	0	0	22
04:00	0	33	15	0	4	0	0	2	0	0	0	0	0	54
05:00	1	125	62	4	32	2	0	0	6	0	0	0	1	233
06:00	3	426	175	5	51	8	0	8	10	1	0	0	0	687
07:00	9	713	151	5	50	25	0	15	21	0	0	0	0	989
08:00	12	681	154	7	49	32	0	14	21	0	1	0	0	971
09:00	8	397	110	9	44	23	0	3	24	1	0	0	0	619
10:00	4	372	120	9	28	21	0	6	33	0	0	0	2	595
11:00	7	396	92	6	31	22	0	8	32	1	0	0	0	595
12 PM	8	494	102	4	35	27	0	3	18	0	0	0	0	691
13:00	10	424	88	2	28	21	0	5	34	0	1	1	0	614
14:00	7	552	107	4	29	19	0	9	29	0	0	0	1	757
15:00	10	681	123	5	34	24	0	3	14	1	0	0	0	895
16:00	10	932	153	2	35	15	0	5	2	0	0	0	1	1155
17:00	9	930	141	5	35	1	1	8	1	0	0	1	0	1132
18:00	2	625	101	3	31	1	0	3	1	0	0	0	0	767
19:00	0	353	50	0	15	1	0	1	1	0	0	0	0	421
20:00	4	315	55	0	18	0	0	2	1	0	0	0	0	395
21:00	0	227	29	0	9	0	0	0	0	0	0	0	0	265
22:00	1	132	20	0	5	0	0	0	0	0	0	0	0	158
23:00	0	68	14	0	0	0	0	1	0	0	0	0	0	83
Total	105	8954	1885	70	564	242	1	96	249	4	2	2	5	12179
Percent	0.9%	73.5%	15.5%	0.6%	4.6%	2.0%	0.0%	0.8%	2.0%	0.0%	0.0%	0.0%	0.0%	
AM Peak	08:00	07:00	06:00	09:00	06:00	08:00		07:00	10:00	06:00	08:00		10:00	07:00
Vol.	12	713	175	9	51	32		15	33	1	1		2	989
PM Peak	13:00	16:00	16:00	15:00	12:00	12:00	17:00	14:00	13:00	15:00	13:00	13:00	14:00	16:00
Vol.	10	932	153	5	35	27	1	9	34	1	1	1	1	1155
Grand Total	161	17562	3737	138	1053	359	1	164	351	8	3	3	5	23545
Percent	0.7%	74.6%	15.9%	0.6%	4.5%	1.5%	0.0%	0.7%	1.5%	0.0%	0.0%	0.0%	0.0%	



Site Code: 54
 Station ID: 54
 CO 93 N/O W. 82ND AVE

NB

Start 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	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
05/18/16	0	134	20	8	8	0	0	0	0	0	0	0	0	170
01:00	0	14	4	0	2	0	0	0	0	0	0	0	0	20
02:00	0	21	4	0	0	0	0	0	0	0	0	0	0	25
03:00	0	5	4	0	1	0	0	0	0	0	0	0	0	10
04:00	0	27	8	0	4	0	0	0	0	0	0	0	0	39
05:00	0	132	65	3	38	3	0	0	5	0	0	0	0	246
06:00	1	444	171	3	73	2	0	1	5	0	0	0	0	700
07:00	1	816	185	5	72	12	0	14	8	0	1	0	0	1114
08:00	6	730	159	5	62	17	0	9	9	0	0	0	0	997
09:00	1	395	108	4	41	21	0	5	4	0	0	0	0	579
10:00	4	359	91	7	40	19	0	6	13	1	0	0	0	540
11:00	4	365	83	3	27	25	0	11	7	1	0	0	0	526
12 PM	2	384	77	4	32	15	0	7	8	1	0	0	0	530
13:00	4	304	90	5	29	24	0	2	12	0	0	0	0	470
14:00	14	440	94	1	30	22	0	6	7	0	0	0	0	614
15:00	4	600	107	7	39	13	0	6	7	0	0	0	0	783
16:00	7	780	147	4	40	4	0	6	3	0	0	0	0	991
17:00	12	889	157	3	32	0	0	2	0	0	0	0	0	1095
18:00	3	552	90	1	22	0	0	3	1	0	0	0	0	672
19:00	3	369	58	1	6	0	0	0	1	0	0	0	0	438
20:00	5	260	35	1	4	0	0	0	1	0	0	0	0	306
21:00	1	206	26	0	7	0	0	0	0	0	0	0	0	240
22:00	0	139	15	0	4	0	0	0	1	0	0	0	0	159
23:00	0	56	12	0	2	0	0	1	1	0	0	0	0	72
Total	72	8421	1810	65	615	177	0	79	93	3	1	0	0	11336
Percent	0.6%	74.3%	16.0%	0.6%	5.4%	1.6%	0.0%	0.7%	0.8%	0.0%	0.0%	0.0%	0.0%	
AM Peak	08:00	07:00	07:00	00:00	06:00	11:00		07:00	10:00	10:00	07:00			07:00
Vol.	6	816	185	8	73	25		14	13	1	1			1114
PM Peak	14:00	17:00	17:00	15:00	16:00	13:00		12:00	13:00	12:00				17:00
Vol.	14	889	157	7	40	24		7	12	1				1095



Site Code: 54
 Station ID: 54
 CO 93 N/O W. 82ND AVE

NB

Start 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	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
05/19/16	0	36	7	0	0	0	0	0	0	0	0	0	0	43
01:00	0	15	4	0	0	0	0	0	0	0	0	0	0	19
02:00	0	13	0	0	0	0	0	0	0	0	0	0	0	13
03:00	0	18	4	0	0	0	0	0	1	0	0	0	0	23
04:00	0	27	11	0	4	0	0	2	0	0	0	0	0	44
05:00	1	152	55	2	21	5	0	2	6	0	0	0	1	245
06:00	2	491	150	5	37	10	0	7	8	0	0	0	0	710
07:00	11	840	150	5	38	15	0	12	27	0	0	0	0	1098
08:00	18	808	160	7	44	30	0	20	21	0	0	0	0	1108
09:00	10	467	102	12	43	23	1	6	13	1	0	0	0	678
10:00	3	387	102	8	41	16	0	6	31	1	0	0	0	595
11:00	7	355	88	9	41	19	0	10	29	1	0	0	0	559
12 PM	9	399	86	7	42	28	0	11	14	0	0	0	0	596
13:00	16	443	82	7	40	26	0	12	20	0	0	0	0	646
14:00	19	535	114	6	45	26	0	9	15	1	0	0	1	771
15:00	12	609	121	9	45	24	0	7	9	1	0	0	0	837
16:00	7	826	143	4	40	11	0	5	5	0	1	1	0	1043
17:00	16	847	132	3	43	5	0	7	0	0	0	0	0	1053
18:00	7	590	96	3	29	2	0	5	2	0	0	0	0	734
19:00	1	346	52	1	12	0	0	0	2	0	0	0	0	414
20:00	5	302	41	0	12	0	0	2	1	0	0	0	0	363
21:00	0	224	29	1	9	0	0	0	0	0	0	0	0	263
22:00	1	144	17	0	4	0	0	1	0	0	0	0	0	167
23:00	0	67	14	0	3	0	0	1	0	0	0	0	0	85
Total	145	8941	1760	89	593	240	1	125	204	5	1	1	2	12107
Percent	1.2%	73.8%	14.5%	0.7%	4.9%	2.0%	0.0%	1.0%	1.7%	0.0%	0.0%	0.0%	0.0%	
AM Peak	08:00	07:00	08:00	09:00	08:00	08:00	09:00	08:00	10:00	09:00			05:00	08:00
Vol.	18	840	160	12	44	30	1	20	31	1			1	1108
PM Peak	14:00	17:00	16:00	15:00	14:00	12:00		13:00	13:00	14:00	16:00	16:00	14:00	17:00
Vol.	19	847	143	9	45	28		12	20	1	1	1	1	1053
Grand Total	217	17362	3570	154	1208	417	1	204	297	8	2	1	2	23443
Percent	0.9%	74.1%	15.2%	0.7%	5.2%	1.8%	0.0%	0.9%	1.3%	0.0%	0.0%	0.0%	0.0%	



Site Code: 56
 Station ID: 56
 CO 72 E/O CO 93

Start Time	16-May-16		Tue		Wed		Thu		Fri		Weekday Average		Sat		Sun	
	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB
12:00 AM	*	*	*	*	7	14	9	9	*	*	8	12	*	*	*	*
01:00	*	*	*	*	3	2	2	3	*	*	2	2	*	*	*	*
02:00	*	*	*	*	4	4	1	0	*	*	2	2	*	*	*	*
03:00	*	*	*	*	4	4	7	2	*	*	6	3	*	*	*	*
04:00	*	*	*	*	14	9	13	13	*	*	14	11	*	*	*	*
05:00	*	*	*	*	47	46	46	53	*	*	46	50	*	*	*	*
06:00	*	*	*	*	152	149	158	155	*	*	155	152	*	*	*	*
07:00	*	*	*	*	173	256	189	248	*	*	181	252	*	*	*	*
08:00	*	*	*	*	180	255	190	228	*	*	185	242	*	*	*	*
09:00	*	*	*	*	126	111	146	148	*	*	136	130	*	*	*	*
10:00	*	*	*	*	127	97	139	154	*	*	133	126	*	*	*	*
11:00	*	*	*	*	120	122	144	135	*	*	132	128	*	*	*	*
12:00 PM	*	*	*	*	100	108	141	138	*	*	120	123	*	*	*	*
01:00	*	*	*	*	119	108	141	135	*	*	130	122	*	*	*	*
02:00	*	*	*	*	158	129	172	156	*	*	165	142	*	*	*	*
03:00	*	*	*	*	220	167	237	198	*	*	228	182	*	*	*	*
04:00	*	*	*	*	334	192	376	183	*	*	355	188	*	*	*	*
05:00	*	*	*	*	353	195	356	231	*	*	354	213	*	*	*	*
06:00	*	*	*	*	214	168	169	132	*	*	192	150	*	*	*	*
07:00	*	*	*	*	109	100	102	92	*	*	106	96	*	*	*	*
08:00	*	*	*	*	70	69	58	84	*	*	64	76	*	*	*	*
09:00	*	*	*	*	44	52	54	51	*	*	49	52	*	*	*	*
10:00	*	*	*	*	21	22	32	33	*	*	26	28	*	*	*	*
11:00	*	*	*	*	10	15	18	17	*	*	14	16	*	*	*	*
Total	0	0	0	0	2709	2394	2900	2598	0	0	2803	2498	0	0	0	0
Day	0		0		5103		5498		0		5301		0		0	
AM Peak	-	-	-	-	08:00	07:00	08:00	07:00	-	-	08:00	07:00	-	-	-	-
Vol.	-	-	-	-	180	256	190	248	-	-	185	252	-	-	-	-
PM Peak	-	-	-	-	17:00	17:00	16:00	17:00	-	-	16:00	17:00	-	-	-	-
Vol.	-	-	-	-	353	195	376	231	-	-	355	213	-	-	-	-

Comb. Total	0	0	5103	5498	0	5301	0	0
ADT	ADT 5,255	AADT 5,255						



Site Code: 57
 Station ID: 57
 CO 72 W/O CO 93

Start Time	16-May-16		Tue		Wed		Thu		Fri		Weekday Average		Sat		Sun	
	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB
12:00 AM	*	*	*	*	1	17	3	20	*	*	2	18	*	*	*	*
01:00	*	*	*	*	2	7	1	8	*	*	2	8	*	*	*	*
02:00	*	*	*	*	4	8	7	5	*	*	6	6	*	*	*	*
03:00	*	*	*	*	10	1	12	2	*	*	11	2	*	*	*	*
04:00	*	*	*	*	30	1	28	6	*	*	29	4	*	*	*	*
05:00	*	*	*	*	109	13	132	18	*	*	120	16	*	*	*	*
06:00	*	*	*	*	285	38	266	43	*	*	276	40	*	*	*	*
07:00	*	*	*	*	378	63	403	71	*	*	390	67	*	*	*	*
08:00	*	*	*	*	317	93	327	87	*	*	322	90	*	*	*	*
09:00	*	*	*	*	222	85	218	105	*	*	220	95	*	*	*	*
10:00	*	*	*	*	169	98	188	144	*	*	178	121	*	*	*	*
11:00	*	*	*	*	163	120	168	116	*	*	166	118	*	*	*	*
12:00 PM	*	*	*	*	145	145	142	159	*	*	144	152	*	*	*	*
01:00	*	*	*	*	128	132	159	156	*	*	144	144	*	*	*	*
02:00	*	*	*	*	151	196	162	193	*	*	156	194	*	*	*	*
03:00	*	*	*	*	147	224	139	248	*	*	143	236	*	*	*	*
04:00	*	*	*	*	161	312	162	314	*	*	162	313	*	*	*	*
05:00	*	*	*	*	120	364	173	423	*	*	146	394	*	*	*	*
06:00	*	*	*	*	106	313	88	312	*	*	97	312	*	*	*	*
07:00	*	*	*	*	63	226	72	200	*	*	68	213	*	*	*	*
08:00	*	*	*	*	50	173	47	149	*	*	48	161	*	*	*	*
09:00	*	*	*	*	32	109	41	133	*	*	36	121	*	*	*	*
10:00	*	*	*	*	19	60	27	79	*	*	23	70	*	*	*	*
11:00	*	*	*	*	13	29	6	39	*	*	10	34	*	*	*	*
Total	0	0	0	0	2825	2827	2971	3030	0	0	2899	2929	0	0	0	0
Day	0	0	0	0	5652	5652	6001	6001	0	0	5828	5828	0	0	0	0
AM Peak	-	-	-	-	07:00	11:00	07:00	10:00	-	-	07:00	10:00	-	-	-	-
Vol.	-	-	-	-	378	120	403	144	-	-	390	121	-	-	-	-
PM Peak	-	-	-	-	16:00	17:00	17:00	17:00	-	-	16:00	17:00	-	-	-	-
Vol.	-	-	-	-	161	364	173	423	-	-	162	394	-	-	-	-

Comb. Total	0	0	5652	6001	0	5828	0	0
ADT	ADT 5,692	AADT 5,692						



Site Code: 59
 Station ID: 59
 CO 93 N/O WESTGATE RD

NB

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
05/18/16	1	0	0	0	0	5	15	53	68	26	2	0	0	0	170
01:00	0	0	0	0	0	0	1	3	10	2	0	0	0	0	16
02:00	0	0	0	0	0	0	1	6	11	1	2	0	0	0	21
03:00	0	0	0	0	0	0	0	2	5	5	0	0	0	0	12
04:00	0	0	0	0	0	0	1	6	15	15	2	1	0	0	40
05:00	0	0	0	0	0	0	0	26	113	85	10	4	0	0	238
06:00	11	0	0	0	6	10	7	108	280	246	28	1	0	0	697
07:00	34	0	0	0	4	7	40	366	656	152	8	0	1	0	1268
08:00	39	0	1	0	7	29	65	449	455	93	4	0	0	1	1143
09:00	13	0	0	0	0	9	14	107	322	115	9	0	0	0	589
10:00	18	0	0	0	0	6	30	94	231	102	13	0	0	0	494
11:00	21	0	1	5	2	17	14	144	239	55	5	2	0	0	505
12 PM	18	0	0	1	0	2	19	120	257	66	1	0	0	0	484
13:00	24	2	0	1	0	1	8	97	232	50	14	0	0	0	429
14:00	23	1	2	0	4	11	15	151	258	46	3	0	0	0	514
15:00	37	0	0	0	1	2	25	225	253	65	4	0	0	0	612
16:00	57	0	1	1	4	20	41	182	363	81	5	0	0	0	755
17:00	57	0	0	0	4	15	48	200	359	140	7	0	0	1	831
18:00	36	0	0	0	0	0	13	111	301	81	8	1	0	0	551
19:00	9	0	0	0	0	0	2	45	197	74	12	0	0	0	339
20:00	3	0	0	0	0	0	2	33	134	48	6	1	1	0	228
21:00	0	0	0	0	0	0	0	25	98	51	5	0	0	0	179
22:00	2	0	0	0	0	0	6	26	70	29	6	2	0	0	141
23:00	1	0	0	0	0	0	2	13	26	23	2	1	0	0	68
Total	404	3	5	8	32	134	369	2592	4953	1651	156	13	2	2	10324



Site Code: 59
 Station ID: 59
 CO 93 N/O WESTGATE RD

NB

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total
05/19/16	0	0	0	0	0	0	0	7	14	9	5	1	0	0	36
01:00	0	0	0	0	0	0	0	1	6	5	1	0	0	0	13
02:00	0	0	0	0	0	0	2	2	3	4	1	0	0	0	12
03:00	0	0	0	0	0	0	1	5	9	7	3	0	0	0	25
04:00	0	0	0	0	0	0	0	4	26	16	2	0	0	0	48
05:00	1	0	0	0	0	0	0	8	88	100	26	3	0	0	226
06:00	20	1	0	0	0	16	16	59	308	233	49	2	0	0	704
07:00	57	0	0	0	3	18	95	369	502	159	15	0	0	0	1218
08:00	59	3	12	21	23	30	97	351	431	96	5	1	0	1	1130
09:00	22	0	1	0	0	11	42	208	305	71	3	0	0	0	663
10:00	21	0	0	0	7	26	17	144	239	55	4	0	0	1	514
11:00	20	0	0	0	0	6	28	202	191	51	3	0	1	0	502
12 PM	24	0	0	0	0	4	7	178	227	36	5	1	0	1	483
13:00	35	0	2	1	15	18	41	161	235	37	2	1	0	0	548
14:00	32	0	0	1	4	42	51	200	282	25	3	0	0	0	640
15:00	34	0	0	0	0	2	51	284	227	32	6	0	0	0	636
16:00	58	0	1	0	2	14	80	276	239	74	2	0	0	0	746
17:00	51	0	0	0	2	14	39	196	393	81	5	0	0	1	782
18:00	28	0	0	0	0	1	20	159	306	63	2	1	0	0	580
19:00	7	0	0	0	0	0	1	29	167	105	14	1	1	0	325
20:00	8	0	1	1	0	1	4	34	141	87	8	0	0	0	285
21:00	5	0	0	0	0	0	0	22	109	58	9	2	1	0	206
22:00	1	0	0	0	0	0	0	5	71	49	14	1	0	0	141
23:00	1	0	0	0	0	0	2	8	28	24	2	0	0	0	65
Total	484	4	17	24	56	203	594	2912	4547	1477	189	14	3	4	10528
Grand Total	888	7	22	32	88	337	963	5504	9500	3128	345	27	5	6	20852

15th Percentile : 45 MPH
 50th Percentile : 51 MPH
 85th Percentile : 55 MPH
 95th Percentile : 58 MPH

Statistics Mean Speed(Average) : 50 MPH
 10 MPH Pace Speed : 46-55 MPH
 Number in Pace : 15004
 Percent in Pace : 72.0%
 Number of Vehicles > 55 MPH : 3511
 Percent of Vehicles > 55 MPH : 16.8%



Site Code: 59
 Station ID: 59
 CO 93 N/O WESTGATE RD

SB

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
05/18/16	0	0	0	0	2	0	5	12	7	0	2	0	0	0	28
01:00	0	0	0	1	0	0	4	4	4	0	1	0	0	0	14
02:00	0	0	0	0	0	0	2	5	2	2	0	1	0	0	12
03:00	0	0	0	0	0	1	2	0	4	2	1	1	0	0	11
04:00	0	0	0	0	0	0	2	4	6	5	1	0	0	0	18
05:00	2	0	0	0	0	3	9	18	33	14	4	2	0	0	85
06:00	20	0	0	0	0	0	14	63	120	67	19	4	2	0	309
07:00	42	0	0	0	0	20	57	149	195	66	13	2	0	0	544
08:00	36	0	1	0	1	19	109	192	101	22	2	1	0	0	484
09:00	25	0	0	0	6	49	129	159	90	10	3	0	0	1	472
10:00	8	0	0	0	3	30	87	154	87	22	3	0	0	0	394
11:00	15	0	0	0	3	29	127	180	58	12	1	0	0	0	425
12 PM	14	0	0	0	2	61	158	171	73	13	4	0	0	0	496
13:00	15	0	0	0	11	74	172	169	73	9	2	1	0	0	526
14:00	20	0	0	0	7	31	153	249	128	21	4	0	0	0	613
15:00	46	3	3	10	4	57	225	356	142	18	2	0	0	0	866
16:00	80	7	14	8	41	161	416	362	86	20	1	0	0	0	1196
17:00	101	12	33	16	27	102	391	445	151	18	4	0	0	0	1300
18:00	52	1	3	7	8	34	205	408	198	47	6	0	0	0	969
19:00	5	0	0	0	0	16	70	119	134	57	22	3	1	0	427
20:00	6	0	0	0	2	7	38	84	114	39	10	1	0	0	301
21:00	5	0	0	0	0	6	48	107	68	25	5	2	0	2	268
22:00	3	0	0	0	0	5	13	44	43	12	9	3	1	1	134
23:00	1	0	0	0	0	2	7	22	19	6	3	0	2	0	62
Total	496	23	54	42	117	707	2443	3476	1936	507	122	21	6	4	9954



Site Code: 59
 Station ID: 59
 CO 93 N/O WESTGATE RD

SB

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total
05/19/16	0	0	0	0	0	0	2	12	8	5	4	0	0	0	31
01:00	0	0	0	0	0	1	2	6	2	3	0	1	1	0	16
02:00	0	0	0	0	0	0	4	4	4	1	1	0	0	0	14
03:00	0	0	0	0	0	1	1	4	4	1	1	0	0	0	12
04:00	0	0	0	0	0	1	1	5	3	8	4	0	0	0	22
05:00	1	0	0	0	0	0	1	9	31	26	17	3	0	0	88
06:00	28	0	0	2	0	1	12	42	111	100	49	13	2	0	360
07:00	51	0	0	0	6	13	28	157	184	90	27	3	2	1	562
08:00	66	0	0	8	6	45	90	190	136	52	5	0	0	1	599
09:00	30	0	1	5	13	35	104	161	136	29	3	0	1	0	518
10:00	35	0	0	3	9	42	130	137	105	33	2	0	0	0	496
11:00	30	0	0	0	2	48	117	166	85	24	3	2	0	0	477
12 PM	18	0	0	0	5	47	152	189	83	17	0	2	0	0	513
13:00	29	0	0	0	11	45	181	207	83	8	0	0	0	0	564
14:00	44	0	0	1	6	92	232	213	75	7	1	0	0	0	671
15:00	55	0	0	2	55	159	282	273	78	18	0	0	0	0	922
16:00	79	0	3	13	39	180	429	372	123	6	1	0	0	0	1245
17:00	111	33	50	50	95	160	344	392	99	10	1	0	0	0	1345
18:00	39	0	0	4	4	27	155	318	177	47	2	1	0	0	774
19:00	6	0	0	0	3	6	39	145	164	65	3	0	0	0	431
20:00	9	0	0	0	0	11	41	108	86	32	10	5	1	0	303
21:00	4	0	0	2	6	11	33	89	75	22	2	0	1	0	245
22:00	1	0	0	0	0	6	43	61	48	13	4	1	0	1	178
23:00	1	0	0	0	0	1	11	26	23	11	8	1	1	0	83
Total	637	33	54	90	260	932	2434	3286	1923	628	148	32	9	3	10469
Grand Total	1133	56	108	132	377	1639	4877	6762	3859	1135	270	53	15	7	20423

15th Percentile : 38 MPH
 50th Percentile : 46 MPH
 85th Percentile : 52 MPH
 95th Percentile : 56 MPH

Statistics Mean Speed(Average) : 45 MPH
 10 MPH Pace Speed : 41-50 MPH
 Number in Pace : 11639
 Percent in Pace : 57.0%
 Number of Vehicles > 55 MPH : 1480
 Percent of Vehicles > 55 MPH : 7.2%



Site Code: 60
 Station ID: 60
 CO 93 S/O CO 128

NB

Start 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	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
05/18/16	1	147	27	8	8	0	0	0	0	0	0	0	0	191
01:00	0	11	2	1	3	0	0	0	0	0	0	0	0	17
02:00	0	16	4	0	1	0	0	0	0	0	0	0	0	21
03:00	0	4	4	0	3	0	0	1	0	0	0	0	0	12
04:00	0	20	12	0	6	0	0	0	0	0	0	0	0	38
05:00	0	110	59	1	39	0	0	0	1	0	0	0	0	210
06:00	2	405	159	6	83	1	0	1	4	0	0	0	0	661
07:00	1	842	221	8	95	6	0	11	9	0	0	0	0	1193
08:00	3	846	198	6	96	8	0	12	12	0	0	0	0	1181
09:00	2	427	105	8	35	17	0	3	10	0	0	0	0	607
10:00	1	330	75	9	37	14	0	1	17	0	0	0	0	484
11:00	4	336	64	9	28	16	0	3	17	1	0	0	0	478
12 PM	2	352	74	4	37	12	0	4	14	0	0	0	0	499
13:00	4	294	74	4	26	20	0	2	9	0	0	0	1	434
14:00	11	354	68	4	21	15	0	1	15	1	0	0	0	490
15:00	2	466	88	9	37	10	0	2	4	0	0	0	0	618
16:00	6	621	98	5	25	0	0	0	2	1	0	0	0	758
17:00	9	690	105	4	26	1	0	9	1	0	0	0	0	845
18:00	2	500	74	1	21	0	0	7	2	0	0	0	0	607
19:00	1	279	45	1	13	0	0	0	0	0	0	0	0	339
20:00	1	198	35	2	2	0	0	1	1	0	0	0	0	240
21:00	0	149	24	0	7	0	0	0	0	0	0	0	0	180
22:00	0	120	15	0	5	0	0	1	0	0	0	0	0	141
23:00	0	52	12	0	5	0	0	1	1	0	0	0	0	71
Total	52	7569	1642	90	659	120	0	60	119	3	0	0	1	10315
Percent	0.5%	73.4%	15.9%	0.9%	6.4%	1.2%	0.0%	0.6%	1.2%	0.0%	0.0%	0.0%	0.0%	
AM Peak	11:00	08:00	07:00	10:00	08:00	09:00		08:00	10:00	11:00				07:00
Vol.	4	846	221	9	96	17		12	17	1				1193
PM Peak	14:00	17:00	17:00	15:00	12:00	13:00		17:00	14:00	14:00			13:00	17:00
Vol.	11	690	105	9	37	20		9	15	1			1	845



Site Code: 60
 Station ID: 60
 CO 93 S/O CO 128

NB

Start 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	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
05/19/16	0	30	3	0	0	0	0	0	0	0	0	0	0	33
01:00	0	15	2	0	0	0	0	0	0	0	0	0	0	17
02:00	0	11	1	0	0	0	0	0	0	0	0	0	0	12
03:00	0	16	5	0	2	0	0	0	1	0	0	0	0	24
04:00	0	29	14	0	4	0	0	1	0	0	0	0	0	48
05:00	1	120	55	2	21	1	0	0	0	0	0	0	0	200
06:00	4	451	147	5	53	6	0	3	9	0	0	0	0	678
07:00	10	875	181	5	59	7	0	12	16	1	0	0	0	1166
08:00	8	824	176	8	81	13	0	10	16	0	0	0	0	1136
09:00	8	492	114	7	38	9	1	8	12	0	0	0	0	689
10:00	3	349	95	11	36	11	0	3	21	2	0	0	0	531
11:00	8	352	64	8	21	14	0	6	17	2	0	0	0	492
12 PM	3	358	72	8	27	7	0	1	7	0	0	0	0	483
13:00	13	366	80	7	32	15	0	4	9	0	0	0	0	526
14:00	10	465	99	6	26	14	0	6	9	0	0	0	0	635
15:00	2	505	84	6	31	12	0	1	7	1	0	0	0	649
16:00	4	614	76	4	30	3	0	3	3	0	0	0	0	737
17:00	9	667	104	2	32	3	0	3	1	1	0	0	0	822
18:00	8	493	82	5	20	0	0	1	1	0	0	0	0	610
19:00	1	277	50	0	16	1	0	0	0	0	0	0	0	345
20:00	3	208	46	0	15	0	0	1	0	0	0	0	0	273
21:00	2	182	30	1	6	0	0	0	1	0	0	0	0	222
22:00	1	118	25	0	5	0	0	0	0	0	0	0	0	149
23:00	0	38	14	0	5	0	0	1	0	0	0	0	0	58
Total	98	7855	1619	85	560	116	1	64	130	7	0	0	0	10535
Percent	0.9%	74.6%	15.4%	0.8%	5.3%	1.1%	0.0%	0.6%	1.2%	0.1%	0.0%	0.0%	0.0%	
AM Peak	07:00	07:00	07:00	10:00	08:00	11:00	09:00	07:00	10:00	10:00				07:00
Vol.	10	875	181	11	81	14	1	12	21	2				1166
PM Peak	13:00	17:00	17:00	12:00	13:00	13:00		14:00	13:00	15:00				17:00
Vol.	13	667	104	8	32	15		6	9	1				822
Grand Total	150	15424	3261	175	1219	236	1	124	249	10	0	0	1	20850
Percent	0.7%	74.0%	15.6%	0.8%	5.8%	1.1%	0.0%	0.6%	1.2%	0.0%	0.0%	0.0%	0.0%	



Site Code: 60
 Station ID: 60
 CO 93 S/O CO 128

SB

Start 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	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
05/18/16	0	25	2	0	0	0	0	0	1	0	0	0	0	28
01:00	0	12	2	0	0	0	0	0	0	0	0	0	0	14
02:00	0	9	2	0	1	0	0	0	0	0	0	0	0	12
03:00	0	9	2	0	1	0	0	0	0	0	0	0	0	12
04:00	0	15	4	0	0	0	0	0	0	0	0	0	0	19
05:00	0	73	10	0	5	2	0	0	1	0	0	0	0	91
06:00	0	257	46	3	11	3	0	1	0	0	0	0	0	321
07:00	1	467	38	1	16	1	0	1	5	0	0	0	0	530
08:00	3	411	48	2	20	6	0	3	1	0	0	0	0	494
09:00	3	369	56	0	22	12	0	13	5	0	1	0	0	481
10:00	3	310	53	1	24	11	0	3	3	0	0	0	0	408
11:00	2	334	57	1	27	8	0	0	5	0	0	0	0	434
12 PM	3	419	59	2	22	15	0	4	4	0	0	0	0	528
13:00	6	424	58	0	31	11	0	6	6	0	0	0	0	542
14:00	3	505	74	2	21	5	0	3	1	1	0	0	0	615
15:00	4	713	114	2	19	10	0	3	2	0	0	0	0	867
16:00	6	1030	92	0	14	2	0	1	1	2	0	0	0	1148
17:00	7	1127	105	1	9	2	0	2	0	0	0	0	0	1253
18:00	2	879	62	1	6	0	0	0	0	0	0	0	0	950
19:00	0	377	41	0	2	0	0	2	0	0	0	0	0	422
20:00	0	276	17	0	3	0	0	0	0	0	0	0	0	296
21:00	1	250	15	0	1	0	0	0	0	0	0	0	0	267
22:00	0	123	6	0	2	0	0	0	0	0	0	0	0	131
23:00	1	58	3	0	1	0	0	0	0	0	0	0	0	63
Total	45	8472	966	16	258	88	0	42	35	3	1	0	0	9926
Percent	0.5%	85.4%	9.7%	0.2%	2.6%	0.9%	0.0%	0.4%	0.4%	0.0%	0.0%	0.0%	0.0%	
AM Peak	08:00	07:00	11:00	06:00	11:00	09:00		09:00	07:00		09:00			07:00
Vol.	3	467	57	3	27	12		13	5		1			530
PM Peak	17:00	17:00	15:00	12:00	13:00	12:00		13:00	13:00	16:00				17:00
Vol.	7	1127	114	2	31	15		6	6	2				1253



Site Code: 60
 Station ID: 60
 CO 93 S/O CO 128

SB

Start 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	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
05/19/16	0	28	2	0	0	0	0	0	1	0	0	0	0	31
01:00	0	15	0	0	1	0	0	0	0	0	0	0	0	16
02:00	0	12	2	0	0	0	0	0	0	0	0	0	0	14
03:00	0	10	2	0	0	0	0	1	0	0	0	0	0	13
04:00	0	20	4	0	0	0	0	0	0	0	0	0	0	24
05:00	0	69	20	1	5	1	0	0	0	0	0	0	0	96
06:00	1	323	35	2	7	5	0	0	0	0	0	0	0	373
07:00	3	477	24	1	11	5	0	2	1	0	0	0	0	524
08:00	8	499	41	1	11	11	0	2	3	0	0	0	0	576
09:00	7	419	41	1	12	16	0	10	3	0	0	0	1	510
10:00	5	419	46	0	16	15	0	1	5	0	0	0	0	507
11:00	8	381	42	1	12	20	0	4	6	1	0	0	0	475
12 PM	6	446	38	1	12	12	0	6	6	0	0	0	0	527
13:00	13	477	47	0	16	12	0	3	6	0	0	1	0	575
14:00	4	581	53	2	9	15	0	1	3	0	0	0	0	668
15:00	13	785	91	2	5	9	0	1	0	0	0	0	0	906
16:00	18	1089	96	3	16	3	0	2	2	1	0	0	0	1230
17:00	16	1182	97	1	5	1	0	2	0	0	0	0	0	1304
18:00	12	683	52	2	6	0	0	1	0	0	0	0	0	756
19:00	3	393	34	0	4	0	0	0	0	0	0	0	0	434
20:00	2	270	21	0	2	1	0	0	0	0	0	0	0	296
21:00	0	233	9	0	4	0	0	0	0	0	0	0	0	246
22:00	0	164	9	0	2	0	0	0	0	0	0	0	0	175
23:00	1	73	7	0	0	0	0	0	0	0	0	0	0	81
Total	120	9048	813	18	156	126	0	36	36	2	0	1	1	10357
Percent	1.2%	87.4%	7.8%	0.2%	1.5%	1.2%	0.0%	0.3%	0.3%	0.0%	0.0%	0.0%	0.0%	
AM Peak	08:00	08:00	10:00	06:00	10:00	11:00		09:00	11:00	11:00			09:00	08:00
Vol.	8	499	46	2	16	20		10	6	1			1	576
PM Peak	16:00	17:00	17:00	16:00	13:00	14:00		12:00	12:00	16:00		13:00		17:00
Vol.	18	1182	97	3	16	15		6	6	1		1		1304
Grand Total	165	17520	1779	34	414	214	0	78	71	5	1	1	1	20283
Percent	0.8%	86.4%	8.8%	0.2%	2.0%	1.1%	0.0%	0.4%	0.4%	0.0%	0.0%	0.0%	0.0%	



Site Code: 62
 Station ID: 62
 CO 93 N/O CO 128

NB

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
05/18/16	1	0	0	0	0	3	20	38	48	46	12	1	0	0	169
01:00	0	0	0	0	0	0	1	4	8	5	1	0	0	0	19
02:00	0	0	0	0	0	1	0	3	4	7	3	0	0	0	18
03:00	0	0	0	0	0	0	0	1	3	4	5	0	0	0	13
04:00	0	0	0	0	0	0	2	4	7	14	5	3	0	0	35
05:00	0	0	0	0	0	0	0	14	47	85	42	11	3	1	203
06:00	17	0	0	0	6	6	46	125	190	184	79	6	1	0	660
07:00	46	0	0	0	18	75	181	366	377	176	23	2	0	0	1264
08:00	38	0	14	25	19	74	146	302	366	178	30	4	0	0	1196
09:00	26	2	0	0	0	20	33	61	177	206	79	7	1	0	612
10:00	17	0	0	0	6	7	21	51	135	160	58	12	1	0	468
11:00	17	0	0	0	9	12	40	106	137	116	35	7	1	0	480
12 PM	24	0	0	0	2	13	35	86	125	131	50	1	0	0	467
13:00	21	0	0	0	0	10	23	59	140	92	41	3	1	1	391
14:00	23	0	0	1	9	13	9	47	143	138	51	14	2	2	452
15:00	41	0	1	5	7	21	40	63	170	140	46	7	0	1	542
16:00	72	0	1	0	0	16	36	125	179	143	83	12	0	0	667
17:00	99	2	2	5	8	26	78	129	176	176	78	16	1	0	796
18:00	38	2	0	0	0	6	31	72	143	178	61	12	1	0	544
19:00	8	0	0	0	0	3	8	38	64	108	59	16	4	1	309
20:00	6	0	0	0	0	1	3	21	52	74	49	20	6	3	235
21:00	0	0	0	0	0	0	2	9	46	74	35	3	1	0	170
22:00	2	0	0	0	0	0	3	18	31	47	23	11	1	1	137
23:00	0	0	0	0	0	0	0	4	15	24	23	4	1	0	71
Total	496	6	18	36	84	307	758	1746	2783	2506	971	172	25	10	9918



Site Code: 62
 Station ID: 62
 CO 93 N/O CO 128

NB

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
05/19/16	1	0	0	0	0	0	1	3	6	8	9	2	3	0	33
01:00	0	0	0	0	0	0	0	0	5	2	3	5	0	0	15
02:00	0	0	0	0	0	0	1	0	0	2	5	2	1	0	11
03:00	0	0	0	0	0	0	2	1	6	7	5	1	1	0	23
04:00	0	0	0	0	0	0	0	0	6	18	15	7	0	0	46
05:00	1	0	0	0	0	0	0	2	30	49	66	37	12	1	198
06:00	24	0	0	2	15	38	22	53	145	191	131	31	4	1	657
07:00	71	25	53	124	172	196	162	130	177	109	32	0	0	0	1251
08:00	62	0	1	55	58	79	176	324	283	139	24	6	0	0	1207
09:00	40	0	0	11	39	21	43	131	195	163	48	5	1	0	697
10:00	26	0	0	7	10	25	50	74	139	122	50	5	2	0	510
11:00	24	1	0	3	27	6	27	57	135	148	58	13	2	1	502
12 PM	23	2	0	1	13	4	7	53	127	176	71	11	1	1	490
13:00	26	2	0	7	15	11	28	64	156	128	48	8	0	1	494
14:00	39	0	6	17	44	42	52	65	142	135	48	6	0	0	596
15:00	55	2	0	0	1	4	19	88	166	187	60	9	2	0	593
16:00	101	1	1	0	0	11	30	105	154	176	66	13	1	2	661
17:00	110	0	1	0	4	15	57	135	228	137	55	14	1	0	757
18:00	29	1	0	0	0	4	13	68	182	162	92	17	1	0	569
19:00	11	0	0	0	3	1	15	19	68	122	68	15	1	1	324
20:00	6	0	1	1	0	0	5	23	61	92	56	10	3	0	258
21:00	2	0	0	0	0	0	2	12	66	73	35	10	1	1	202
22:00	1	0	0	0	0	1	0	5	25	56	36	5	2	0	131
23:00	1	0	0	0	0	0	2	1	9	17	18	6	2	0	56
Total	653	34	63	228	401	458	714	1413	2511	2419	1099	238	41	9	10281
Grand Total	1149	40	81	264	485	765	1472	3159	5294	4925	2070	410	66	19	20199

15th Percentile : 40 MPH
 50th Percentile : 52 MPH
 85th Percentile : 59 MPH
 95th Percentile : 63 MPH

Statistics Mean Speed(Average) : 50 MPH
 10 MPH Pace Speed : 51-60 MPH
 Number in Pace : 10219
 Percent in Pace : 50.6%
 Number of Vehicles > 55 MPH : 7490
 Percent of Vehicles > 55 MPH : 37.1%



Site Code: 62
 Station ID: 62
 CO 93 N/O CO 128

SB

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
05/18/16	2	0	0	0	0	1	2	9	6	7	2	1	0	0	30
01:00	0	0	0	0	0	4	1	0	7	3	0	0	0	0	15
02:00	0	0	0	0	0	1	2	0	4	4	0	0	0	0	11
03:00	0	0	0	0	0	0	1	4	3	3	2	0	0	0	13
04:00	0	0	0	0	0	0	1	3	4	7	2	1	0	0	18
05:00	1	0	0	0	0	0	0	13	18	25	16	5	1	0	79
06:00	21	0	0	0	0	1	4	31	82	100	49	16	4	0	308
07:00	51	0	0	0	0	0	10	69	159	144	47	12	1	1	494
08:00	50	0	1	0	0	2	34	97	122	124	51	11	4	1	497
09:00	24	0	0	0	3	4	7	59	113	133	63	12	1	1	420
10:00	8	0	0	0	1	1	13	30	95	132	52	12	2	1	347
11:00	15	0	0	0	0	7	21	46	123	140	48	7	0	0	407
12 PM	19	0	0	0	1	10	26	66	158	146	46	10	2	1	485
13:00	16	0	0	0	4	6	17	82	167	128	56	6	1	1	484
14:00	28	0	0	1	1	4	13	95	212	195	49	8	2	0	608
15:00	48	1	15	12	48	84	131	158	190	145	53	8	2	0	895
16:00	87	15	60	74	149	179	181	166	207	106	24	3	0	1	1252
17:00	111	4	22	119	186	204	143	193	186	125	36	7	0	2	1338
18:00	45	9	13	48	48	82	101	181	209	142	31	15	0	0	924
19:00	10	0	0	2	3	7	19	51	113	113	67	11	0	1	397
20:00	7	0	0	0	0	1	2	51	91	100	26	4	0	2	284
21:00	0	0	0	0	0	0	14	56	113	67	22	7	2	0	281
22:00	2	0	0	0	0	0	7	27	53	25	14	1	2	0	131
23:00	0	0	0	0	0	0	4	12	16	16	5	1	2	0	56
Total	545	29	111	256	444	598	754	1499	2451	2130	761	158	26	12	9774



Site Code: 62
 Station ID: 62
 CO 93 N/O CO 128

SB

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
05/19/16	0	0	0	0	0	0	0	6	9	6	6	1	0	0	28
01:00	0	0	0	0	0	0	0	3	5	6	0	2	0	0	16
02:00	0	0	0	0	0	0	0	4	4	5	2	0	0	0	15
03:00	0	0	0	0	0	0	0	3	4	4	1	1	0	0	13
04:00	0	0	0	0	0	0	0	2	6	6	6	3	0	0	23
05:00	3	0	0	0	0	0	4	4	12	28	21	11	3	0	86
06:00	14	0	0	0	0	0	3	13	78	123	89	36	5	3	364
07:00	87	1	0	0	0	12	13	40	132	114	75	21	2	0	497
08:00	59	1	0	0	3	4	31	77	170	149	50	16	0	2	562
09:00	31	0	0	0	1	8	20	46	143	140	36	5	1	1	432
10:00	10	0	0	1	14	21	19	57	145	133	45	10	2	0	457
11:00	30	0	0	0	2	3	22	63	154	144	40	9	1	0	468
12 PM	18	0	0	0	1	17	25	99	169	122	52	7	0	0	510
13:00	21	0	0	0	0	6	26	91	179	163	63	5	1	0	555
14:00	36	0	0	3	5	8	48	150	200	153	43	5	1	0	652
15:00	37	0	1	16	46	76	95	180	238	178	60	8	1	0	936
16:00	112	15	34	79	192	220	186	139	165	112	33	8	0	0	1295
17:00	100	2	42	146	224	215	135	149	155	106	39	5	1	0	1319
18:00	33	0	0	12	34	44	84	111	196	163	80	15	3	0	775
19:00	8	0	0	0	0	2	10	64	139	117	38	6	1	0	385
20:00	6	0	0	0	0	0	7	42	87	93	32	7	2	0	276
21:00	6	0	0	0	0	0	8	58	74	56	23	4	2	1	232
22:00	1	0	0	0	0	1	4	31	63	53	20	7	0	0	180
23:00	1	0	0	0	0	0	2	7	26	27	18	0	1	1	83
Total	613	19	77	257	522	637	742	1439	2553	2201	872	192	27	8	10159
Grand Total	1158	48	188	513	966	1235	1496	2938	5004	4331	1633	350	53	20	19933

15th Percentile : 35 MPH
 50th Percentile : 51 MPH
 85th Percentile : 58 MPH
 95th Percentile : 63 MPH

Statistics
 Mean Speed(Average) : 48 MPH
 10 MPH Pace Speed : 51-60 MPH
 Number in Pace : 9335
 Percent in Pace : 46.9%
 Number of Vehicles > 55 MPH : 6387
 Percent of Vehicles > 55 MPH : 32.1%



Site Code: 63
 Station ID: 63
 CO 128 E/O CO 93

Start Time	16-May-16		Tue		Wed		Thu		Fri		Weekday Average		Sat		Sun	
	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB
12:00 AM	*	*	*	*	14	4	6	10	*	*	10	7	*	*	*	*
01:00	*	*	*	*	0	2	4	3	*	*	2	2	*	*	*	*
02:00	*	*	*	*	3	0	3	0	*	*	3	0	*	*	*	*
03:00	*	*	*	*	0	1	6	4	*	*	3	2	*	*	*	*
04:00	*	*	*	*	7	5	6	6	*	*	6	6	*	*	*	*
05:00	*	*	*	*	24	33	25	32	*	*	24	32	*	*	*	*
06:00	*	*	*	*	115	118	110	125	*	*	112	122	*	*	*	*
07:00	*	*	*	*	191	264	194	295	*	*	192	280	*	*	*	*
08:00	*	*	*	*	259	272	236	333	*	*	248	302	*	*	*	*
09:00	*	*	*	*	119	182	137	210	*	*	128	196	*	*	*	*
10:00	*	*	*	*	85	113	154	130	*	*	120	122	*	*	*	*
11:00	*	*	*	*	112	131	129	141	*	*	120	136	*	*	*	*
12:00 PM	*	*	*	*	113	104	138	128	*	*	126	116	*	*	*	*
01:00	*	*	*	*	118	129	139	138	*	*	128	134	*	*	*	*
02:00	*	*	*	*	147	114	178	153	*	*	162	134	*	*	*	*
03:00	*	*	*	*	199	149	248	156	*	*	224	152	*	*	*	*
04:00	*	*	*	*	334	217	310	215	*	*	322	216	*	*	*	*
05:00	*	*	*	*	384	250	346	271	*	*	365	260	*	*	*	*
06:00	*	*	*	*	208	161	192	144	*	*	200	152	*	*	*	*
07:00	*	*	*	*	100	88	81	89	*	*	90	88	*	*	*	*
08:00	*	*	*	*	61	63	64	58	*	*	62	60	*	*	*	*
09:00	*	*	*	*	54	29	43	42	*	*	48	36	*	*	*	*
10:00	*	*	*	*	30	24	31	14	*	*	30	19	*	*	*	*
11:00	*	*	*	*	10	13	15	5	*	*	12	9	*	*	*	*
Total Day	0	0	0	0	2687	2466	2795	2702	0	0	2737	2583	0	0	0	0
AM Peak	-	-	-	-	08:00	08:00	08:00	08:00	-	-	08:00	08:00	-	-	-	-
Vol.	-	-	-	-	259	272	236	333	-	-	248	302	-	-	-	-
PM Peak	-	-	-	-	17:00	17:00	17:00	17:00	-	-	17:00	17:00	-	-	-	-
Vol.	-	-	-	-	384	250	346	271	-	-	365	260	-	-	-	-

Comb. Total	0	0	5153	5497	0	5320	0	0
ADT	ADT 5,214	AADT 5,214						



Site Code: 64
 Station ID: 64
 ELDORADO SPRINGS DR E/O CO 93

Start Time	16-May-16		Tue		Wed		Thu		Fri		Weekday Average		Sat		Sun	
	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB
12:00 AM	*	*	*	*	9	6	15	6	*	*	12	6	*	*	*	*
01:00	*	*	*	*	4	1	6	4	*	*	5	2	*	*	*	*
02:00	*	*	*	*	7	2	6	3	*	*	6	2	*	*	*	*
03:00	*	*	*	*	3	3	5	2	*	*	4	2	*	*	*	*
04:00	*	*	*	*	12	1	13	3	*	*	12	2	*	*	*	*
05:00	*	*	*	*	45	26	50	23	*	*	48	24	*	*	*	*
06:00	*	*	*	*	133	72	122	88	*	*	128	80	*	*	*	*
07:00	*	*	*	*	363	351	328	360	*	*	346	356	*	*	*	*
08:00	*	*	*	*	354	304	368	301	*	*	361	302	*	*	*	*
09:00	*	*	*	*	179	203	173	178	*	*	176	190	*	*	*	*
10:00	*	*	*	*	134	140	130	137	*	*	132	138	*	*	*	*
11:00	*	*	*	*	132	126	163	154	*	*	148	140	*	*	*	*
12:00 PM	*	*	*	*	133	156	160	166	*	*	146	161	*	*	*	*
01:00	*	*	*	*	163	190	190	162	*	*	176	176	*	*	*	*
02:00	*	*	*	*	200	191	214	218	*	*	207	204	*	*	*	*
03:00	*	*	*	*	315	292	358	300	*	*	336	296	*	*	*	*
04:00	*	*	*	*	388	346	364	346	*	*	376	346	*	*	*	*
05:00	*	*	*	*	424	326	349	386	*	*	386	356	*	*	*	*
06:00	*	*	*	*	237	244	205	224	*	*	221	234	*	*	*	*
07:00	*	*	*	*	121	119	98	116	*	*	110	118	*	*	*	*
08:00	*	*	*	*	84	75	93	67	*	*	88	71	*	*	*	*
09:00	*	*	*	*	56	60	81	57	*	*	68	58	*	*	*	*
10:00	*	*	*	*	56	16	58	25	*	*	57	20	*	*	*	*
11:00	*	*	*	*	15	16	15	19	*	*	15	18	*	*	*	*
Total	0	0	0	0	3567	3266	3564	3345	0	0	3564	3302	0	0	0	0
Day	0	0	0	0	6833	6909	6909	6909	0	0	6866	6866	0	0	0	0
AM Peak	-	-	-	-	07:00	07:00	08:00	07:00	-	-	08:00	07:00	-	-	-	-
Vol.	-	-	-	-	363	351	368	360	-	-	361	356	-	-	-	-
PM Peak	-	-	-	-	17:00	16:00	16:00	17:00	-	-	17:00	17:00	-	-	-	-
Vol.	-	-	-	-	424	346	364	386	-	-	386	356	-	-	-	-

Comb. Total	0	0	6833	6909	0	6866	0	0
ADT	ADT 6,776	AADT 6,776						

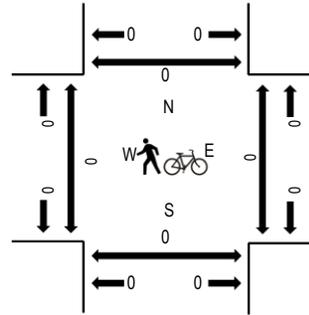
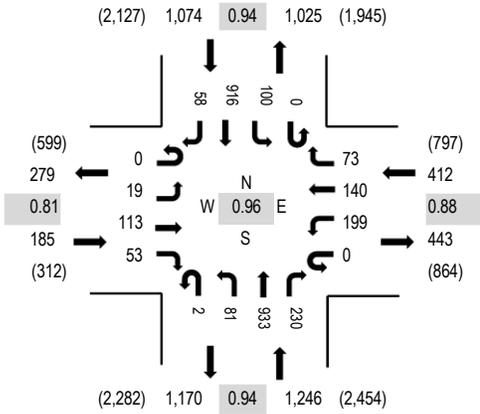


(303) 216-2439
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Location: 38 CO 93 & CO 58 AM
Date and Start Time: Tuesday, May 17, 2016
Peak Hour: 07:30 AM - 08:30 AM
Peak 15-Minutes: 07:30 AM - 07:45 AM

Peak Hour - All Vehicles

Peak Hour - Pedestrians/Bicycles in Crosswalk



Note: Total study counts contained in parentheses.

Traffic Counts

Interval Start Time	CO 58 Eastbound				CO 58 Westbound				CO 93 Northbound				CO 93 Southbound				Total	Rolling Hour	Pedestrian Crossings			
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right			West	East	South	North
7:00:00 AM	0	3	9	9	0	35	31	10	0	20	189	25	0	12	243	13	599	2,825	0	0	0	0
7:15:00 AM	0	4	23	6	0	45	30	11	0	17	280	35	0	25	221	11	708	2,914	0	0	0	0
7:30:00 AM	0	5	27	19	0	56	29	32	0	22	271	40	0	30	219	13	763	2,917	0	0	0	0
7:45:00 AM	0	2	21	13	0	62	28	17	0	17	254	56	0	23	252	10	755	2,900	0	0	0	0
8:00:00 AM	0	9	33	15	0	38	47	12	2	20	194	51	0	24	222	21	688	2,865	0	0	0	0
8:15:00 AM	0	3	32	6	0	43	36	12	0	22	214	83	0	23	223	14	711		0	0	0	0
8:30:00 AM	0	2	21	15	0	35	47	13	1	29	188	108	0	28	240	19	746		0	0	0	0
8:45:00 AM	0	4	19	12	0	56	56	16	0	27	200	89	0	27	194	20	720		0	0	0	0
Count Total	0	32	185	95	0	370	304	123	3	174	1,790	487	0	192	1,814	121	5,690		0	0	0	0
Peak Hour	0	19	113	53	0	199	140	73	2	81	933	230	0	100	916	58	2,917		0	0	0	0

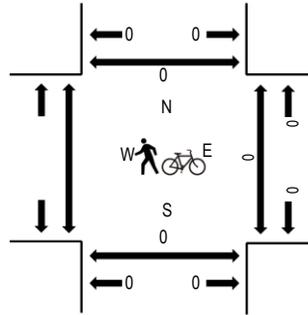
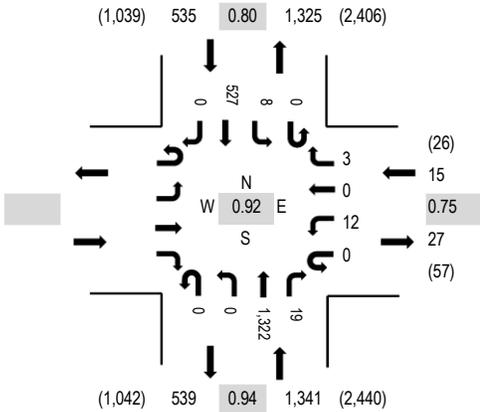


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Location: 58 CO 93 & WESTGATE RD AM
Date and Start Time: Tuesday, May 17, 2016
Peak Hour: 07:30 AM - 08:30 AM
Peak 15-Minutes: 07:30 AM - 07:45 AM

Peak Hour - All Vehicles

Peak Hour - Pedestrians/Bicycles in Crosswalk



Note: Total study counts contained in parentheses.

Traffic Counts

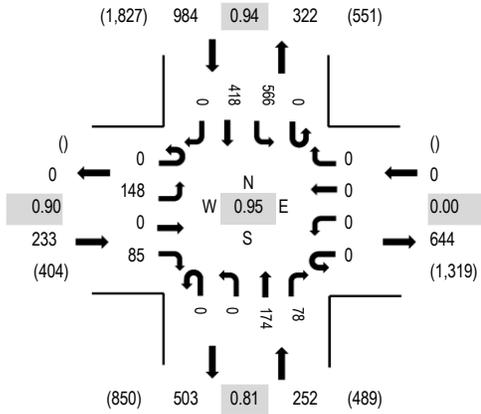
Interval Start Time	WESTGATE RD				CO 93				CO 93				Total	Rolling Hour	Pedestrian Crossings						
	Eastbound		Westbound		Northbound		Southbound		U-Turn	Left	Thru	Right			West	East	South	North			
7:00:00 AM					0	1	0	0					0	0					277	6	0
7:15:00 AM					0	2	0	2	0	0	302	4	0	2	144	0	456	1,871	0	0	0
7:30:00 AM					0	2	0	1	0	0	334	7	0	3	165	0	512	1,891	0	0	0
7:45:00 AM					0	4	0	1	0	0	337	3	0	4	126	0	475	1,825	0	0	0
8:00:00 AM					0	4	0	1	0	0	298	4	0	1	120	0	428	1,687	0	0	0
8:15:00 AM					0	2	0	0	0	0	353	5	0	0	116	0	476		0	0	0
8:30:00 AM					0	3	0	2	0	0	308	9	0	0	124	0	446		0	0	0
8:45:00 AM					0	0	0	1	0	0	189	4	0	3	140	0	337		0	0	0
Count Total					0	18	0	8	0	0	2,398	42	0	15	1,024	0	3,505		0	0	0
Peak Hour					0	12	0	3	0	0	1,322	19	0	8	527	0	1,891		0	0	0



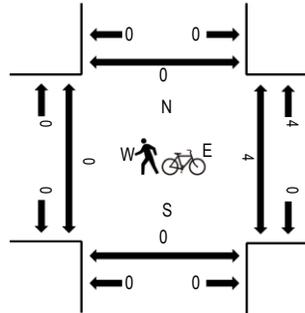
(303) 216-2439
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Location: 1 KIPLING ST & EB C470 RAMPS AM
Date and Start Time: Tuesday, May 17, 2016
Peak Hour: 07:15 AM - 08:15 AM
Peak 15-Minutes: 07:45 AM - 08:00 AM

Peak Hour - All Vehicles



Peak Hour - Pedestrians/Bicycles in Crosswalk



Note: Total study counts contained in parentheses.

Traffic Counts

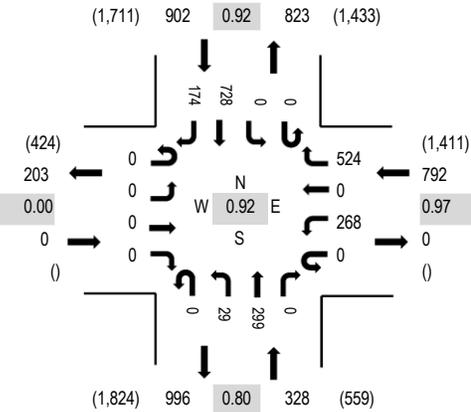
Interval Start Time	EB C470 RAMPS Eastbound				EB C470 RAMPS Westbound				KIPLING ST Northbound				KIPLING ST Southbound				Total	Rolling Hour	Pedestrian Crossings			
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right			West	East	South	North
7:00:00 AM	0	12	0	16	0	0	0	0	0	0	33	37	0	167	76	0	341	1,430	0	0	0	0
7:15:00 AM	0	28	0	21	0	0	0	0	0	0	24	23	0	146	78	0	320	1,469	0	0	0	0
7:30:00 AM	0	37	0	17	0	0	0	0	0	0	52	15	0	161	102	0	384	1,450	0	1	0	0
7:45:00 AM	0	39	0	26	0	0	0	0	0	0	57	21	0	128	114	0	385	1,380	0	2	0	0
8:00:00 AM	0	44	0	21	0	0	0	0	0	0	41	19	0	131	124	0	380	1,290	0	0	0	0
8:15:00 AM	0	31	0	20	0	0	0	0	0	0	24	23	0	139	64	0	301		1	0	0	0
8:30:00 AM	0	28	2	12	0	0	0	0	0	0	29	28	0	150	65	0	314		0	0	0	0
8:45:00 AM	0	28	1	21	0	0	0	0	0	0	44	19	0	109	73	0	295		1	0	0	0
Count Total	0	247	3	154	0	0	0	0	0	0	304	185	0	1,131	696	0	2,720		2	3	0	0
Peak Hour	0	148	0	85	0	0	0	0	0	0	174	78	0	566	418	0	1,469		0	3	0	0



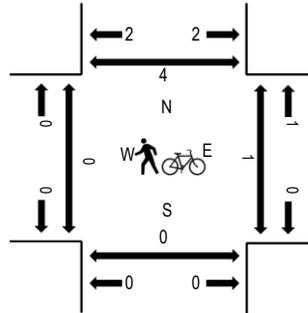
(303) 216-2439
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Location: 2 KIPLING ST & WB C470 RAMPS AM
Date and Start Time: Tuesday, May 17, 2016
Peak Hour: 07:15 AM - 08:15 AM
Peak 15-Minutes: 07:45 AM - 08:00 AM

Peak Hour - All Vehicles



Peak Hour - Pedestrians/Bicycles in Crosswalk



Note: Total study counts contained in parentheses.

Traffic Counts

Interval Start Time	WB C470 RAMPS Eastbound				WB C470 RAMPS Westbound				KIPLING ST Northbound				KIPLING ST Southbound				Total	Rolling Hour	Pedestrian Crossings			
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right			West	East	South	North
7:00:00 AM	0	0	0	0	0	63	0	91	0	12	30	0	0	0	177	55	428	1,975	0	0	0	0
7:15:00 AM	0	0	0	0	0	60	0	138	0	5	66	0	0	0	180	42	491	2,022	0	0	0	0
7:30:00 AM	0	0	0	0	0	69	0	130	0	8	76	0	0	0	191	31	505	1,923	0	0	0	0
7:45:00 AM	0	0	0	0	0	69	0	135	0	6	96	0	0	0	187	58	551	1,828	0	1	0	0
8:00:00 AM	0	0	0	0	0	70	0	121	0	10	61	0	0	0	170	43	475	1,706	0	0	0	1
8:15:00 AM	0	0	0	0	0	37	1	90	0	7	52	0	0	0	154	51	392		1	0	0	0
8:30:00 AM	0	0	0	0	0	54	0	103	0	12	49	0	0	0	154	38	410		1	0	0	0
8:45:00 AM	0	0	0	0	0	44	0	136	1	9	59	0	0	0	144	36	429		0	0	0	0
Count Total	0	0	0	0	0	466	1	944	1	69	489	0	0	0	1,357	354	3,681		2	1	0	1
Peak Hour	0	0	0	0	0	268	0	524	0	29	299	0	0	0	728	174	2,022		0	1	0	0



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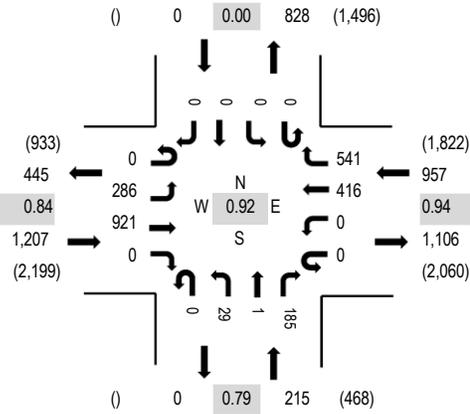
Location: 5 NB C470 OFF RAMP & KEN CARYL AVE AM

Date and Start Time: Tuesday, May 17, 2016

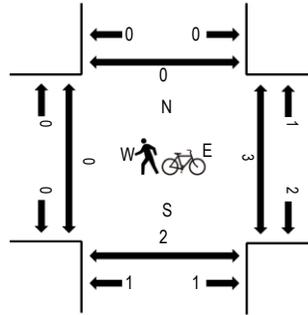
Peak Hour: 07:00 AM - 08:00 AM

Peak 15-Minutes: 07:30 AM - 07:45 AM

Peak Hour - All Vehicles



Peak Hour - Pedestrians/Bicycles in Crosswalk



Note: Total study counts contained in parentheses.

Traffic Counts

Interval Start Time	KEN CARYL AVE Eastbound			KEN CARYL AVE Westbound			NB C470 OFF RAMP Northbound			NB C470 OFF RAMP Southbound			Total	Rolling Hour	Pedestrian Crossings							
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right			West	East	South	North				
7:00:00 AM	0	107	183	0	0	0	91	164	0	6	0	31	0	0	0	0	582	2,379	0	0	0	0
7:15:00 AM	0	62	191	0	0	0	93	139	0	5	1	38	0	0	0	0	529	2,308	0	1	0	0
7:30:00 AM	0	71	288	0	0	0	106	119	0	6	0	60	0	0	0	0	650	2,260	0	0	0	0
7:45:00 AM	0	46	259	0	0	0	126	119	0	12	0	56	0	0	0	0	618	2,124	0	1	1	0
8:00:00 AM	0	52	206	0	0	0	97	98	0	18	0	40	0	0	0	0	511	2,110	0	0	1	0
8:15:00 AM	0	47	174	0	0	0	90	114	0	8	0	48	0	0	0	0	481		0	2	0	0
8:30:00 AM	0	53	174	0	0	0	96	119	0	21	0	51	0	0	0	0	514		0	2	2	0
8:45:00 AM	0	69	217	0	0	0	135	116	0	23	0	44	0	0	0	0	604		0	0	2	0
Count Total	0	507	1,692	0	0	0	834	988	0	99	1	368	0	0	0	0	4,489		0	6	6	0
Peak Hour	0	286	921	0	0	0	416	541	0	29	1	185	0	0	0	0	2,379		0	2	1	0



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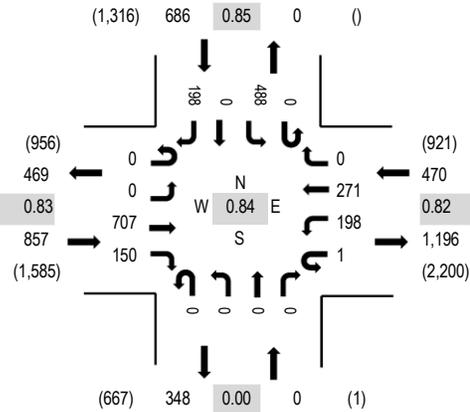
Location: 6 SO C470 OFF RAMP & KEN CARYL AVE AM

Date and Start Time: Tuesday, May 17, 2016

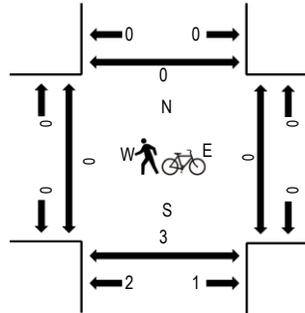
Peak Hour: 07:15 AM - 08:15 AM

Peak 15-Minutes: 07:45 AM - 08:00 AM

Peak Hour - All Vehicles



Peak Hour - Pedestrians/Bicycles in Crosswalk



Note: Total study counts contained in parentheses.

Traffic Counts

Interval Start Time	KEN CARYL AVE Eastbound				KEN CARYL AVE Westbound				SO C470 OFF RAMP Northbound				SB C470 OFF RAMP Southbound				Total	Rolling Hour	Pedestrian Crossings			
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right			West	East	South	North
7:00:00 AM	0	0	177	54	0	58	31	0	0	0	0	0	0	91	0	43	455	1,978	0	0	0	0
7:15:00 AM	0	0	151	43	0	53	40	0	0	0	0	0	0	111	0	35	433	2,013	0	0	0	0
7:30:00 AM	0	0	191	39	0	45	51	0	0	0	0	0	0	120	0	47	493	1,977	0	0	0	0
7:45:00 AM	0	0	222	35	1	59	78	0	0	0	0	0	0	136	0	66	597	1,920	0	0	0	0
8:00:00 AM	0	0	143	33	0	41	102	0	0	0	0	0	0	121	0	50	490	1,845	0	0	3	0
8:15:00 AM	1	0	120	25	0	30	59	0	0	0	0	0	0	120	0	42	397		0	0	0	0
8:30:00 AM	0	0	123	30	0	40	78	0	0	0	0	0	0	109	0	56	436		0	0	2	0
8:45:00 AM	0	0	154	44	0	38	117	0	0	0	0	0	0	109	0	60	522		0	0	1	0
Count Total	1	0	1,281	303	1	364	556	0	0	0	0	1	0	917	0	399	3,823		0	0	6	0
Peak Hour	0	0	707	150	1	198	271	0	0	0	0	0	0	488	0	198	2,013		0	0	0	0



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Location: 9 SB C470 OFF RAMP & BOWLES AVE AM

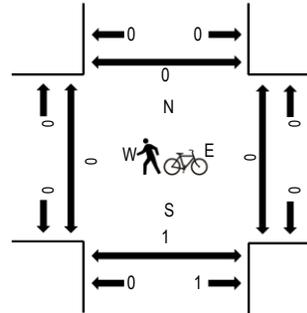
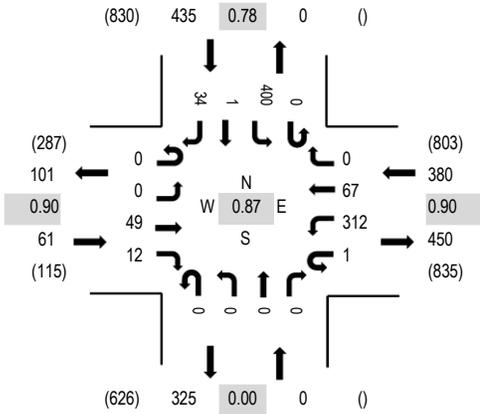
Date and Start Time: Tuesday, May 17, 2016

Peak Hour: 07:00 AM - 08:00 AM

Peak 15-Minutes: 07:15 AM - 07:30 AM

Peak Hour - All Vehicles

Peak Hour - Pedestrians/Bicycles in Crosswalk



Note: Total study counts contained in parentheses.

Traffic Counts

Interval Start Time	BOWLES AVE Eastbound				BOWLES AVE Westbound				SB C470 OFF RAMP Northbound				SB C470 OFF RAMP Southbound				Total	Rolling Hour	Pedestrian Crossings			
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right			West	East	South	North
7:00:00 AM	0	0	9	5	0	86	12	0	0	0	0	0	0	87	0	4	203	876	0	0	0	0
7:15:00 AM	0	0	15	1	0	80	15	0	0	0	0	0	0	125	1	14	251	860	0	0	1	0
7:30:00 AM	0	0	12	2	1	87	18	0	0	0	0	0	0	77	0	8	205	813	0	0	0	0
7:45:00 AM	0	0	13	4	0	59	22	0	0	0	0	0	0	111	0	8	217	816	0	0	0	0
8:00:00 AM	0	0	6	5	0	65	19	0	0	0	0	0	0	82	0	10	187	872	0	0	0	0
8:15:00 AM	0	0	12	2	0	76	25	0	0	0	0	0	0	85	1	3	204		0	0	0	0
8:30:00 AM	0	0	9	3	0	72	32	0	0	0	0	0	0	78	0	14	208		0	0	0	0
8:45:00 AM	0	0	14	3	0	74	60	0	0	0	0	0	0	99	0	23	273		0	0	0	0
Count Total	0	0	90	25	1	599	203	0	0	0	0	0	0	744	2	84	1,748		0	0	1	0
Peak Hour	0	0	49	12	1	312	67	0	0	0	0	0	0	400	1	34	876		0	0	1	0



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Location: 10 NB C470 OFF RAMP & BOWLES AVE AM

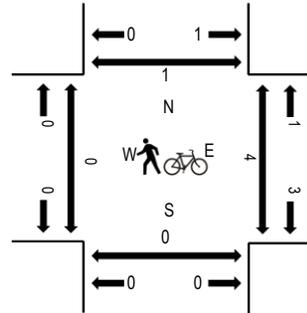
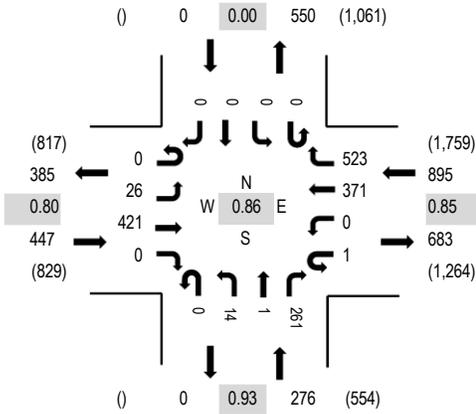
Date and Start Time: Tuesday, May 17, 2016

Peak Hour: 07:00 AM - 08:00 AM

Peak 15-Minutes: 07:15 AM - 07:30 AM

Peak Hour - All Vehicles

Peak Hour - Pedestrians/Bicycles in Crosswalk



Note: Total study counts contained in parentheses.

Traffic Counts

Interval Start Time	BOWLES AVE Eastbound				BOWLES AVE Westbound				NB C470 OFF RAMP Northbound				NB C470 OFF RAMP Southbound				Total	Rolling Hour	Pedestrian Crossings			
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right			West	East	South	North
7:00:00 AM	0	6	90	0	1	0	99	163	0	3	0	57	0	0	0	0	419	1,618	0	1	0	0
7:15:00 AM	0	11	128	0	0	0	92	168	0	4	0	69	0	0	0	0	472	1,546	0	0	0	1
7:30:00 AM	0	4	84	0	0	0	104	110	0	3	1	65	0	0	0	0	371	1,444	0	0	0	0
7:45:00 AM	0	5	119	0	0	0	76	82	0	4	0	70	0	0	0	0	356	1,472	0	0	0	0
8:00:00 AM	0	3	86	0	0	0	77	100	0	9	0	72	0	0	0	0	347	1,524	0	0	0	0
8:15:00 AM	0	7	89	0	0	0	92	129	0	10	0	43	0	0	0	0	370		0	0	0	0
8:30:00 AM	0	3	84	0	0	0	95	153	0	13	1	50	0	0	0	0	399		0	0	0	0
8:45:00 AM	0	9	101	0	0	0	113	105	0	23	1	56	0	0	0	0	408		0	0	0	0
Count Total	0	48	781	0	1	0	748	1,010	0	69	3	482	0	0	0	0	3,142		0	1	0	1
Peak Hour	0	26	421	0	1	0	371	523	0	14	1	261	0	0	0	0	1,618		0	1	0	1



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Location: 13 SB C470 RAMPS & QUINCY AVE AM

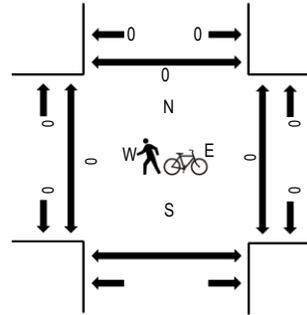
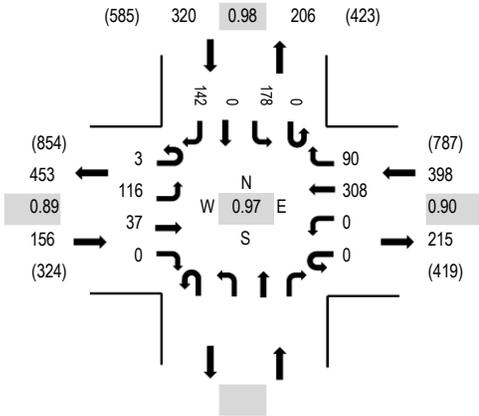
Date and Start Time: Tuesday, May 17, 2016

Peak Hour: 07:30 AM - 08:30 AM

Peak 15-Minutes: 08:00 AM - 08:15 AM

Peak Hour - All Vehicles

Peak Hour - Pedestrians/Bicycles in Crosswalk



Note: Total study counts contained in parentheses.

Traffic Counts

Interval Start Time	QUINCY AVE Eastbound				QUINCY AVE Westbound				Northbound			SB C470 RAMPS Southbound				Total	Rolling Hour	Pedestrian Crossings			
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru			Right	West	East	South
7:00:00 AM	0	27	10	0	0	0	75	27				0	30	0	30	199	837	0	0	0	
7:15:00 AM	0	41	10	0	0	0	77	26				0	45	0	12	211	863	0	0	0	
7:30:00 AM	0	31	1	0	0	0	82	28				0	37	0	38	217	874	0	0	0	
7:45:00 AM	0	29	11	0	0	0	68	20				0	56	0	26	210	865	0	0	0	
8:00:00 AM	2	30	12	0	0	0	77	22				0	36	0	46	225	859	0	0	0	
8:15:00 AM	1	26	13	0	0	0	81	20				0	49	0	32	222		0	0	0	
8:30:00 AM	1	22	15	0	0	0	73	27				0	35	0	35	208		0	0	0	
8:45:00 AM	0	25	17	0	0	0	62	22				0	42	0	36	204		0	0	0	
Count Total	4	231	89	0	0	0	595	192				0	330	0	255	1,696		0	0	0	
Peak Hour	3	116	37	0	0	0	308	90				0	178	0	142	874		0	0	0	



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Location: 18 NB C470 RAMPS & ALAMEDA PKWY AM

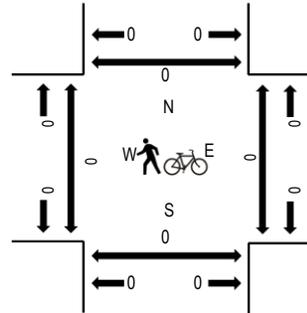
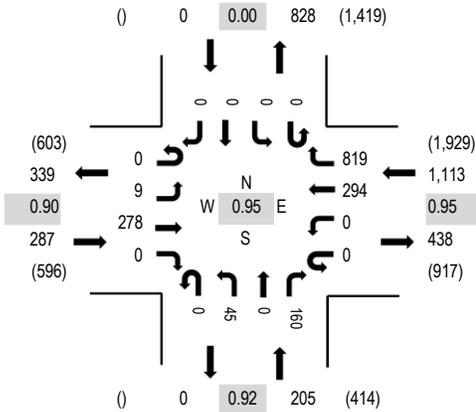
Date and Start Time: Tuesday, May 17, 2016

Peak Hour: 07:00 AM - 08:00 AM

Peak 15-Minutes: 07:15 AM - 07:30 AM

Peak Hour - All Vehicles

Peak Hour - Pedestrians/Bicycles in Crosswalk



Note: Total study counts contained in parentheses.

Traffic Counts

Interval Start Time	ALAMEDA PKWY Eastbound				ALAMEDA PKWY Westbound				NB C470 RAMPS Northbound			NB C470 RAMPS Southbound				Total	Rolling Hour	Pedestrian Crossings				
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru			Right	West	East	South	North
7:00:00 AM	0	3	59	0	0	0	66	193	0	10	0	40	0	0	0	0	371	1,605	0	0	0	0
7:15:00 AM	0	2	71	0	0	0	83	211	0	16	0	40	0	0	0	0	423	1,590	0	0	0	0
7:30:00 AM	0	1	79	0	0	0	66	205	0	7	0	43	0	0	0	0	401	1,505	0	0	0	0
7:45:00 AM	0	3	69	0	0	0	79	210	0	12	0	37	0	0	0	0	410	1,444	0	0	0	0
8:00:00 AM	0	2	80	0	0	0	70	162	0	7	0	35	0	0	0	0	356	1,334	0	0	0	0
8:15:00 AM	0	2	84	0	0	0	54	147	0	5	0	46	0	0	0	0	338		0	0	0	0
8:30:00 AM	0	4	72	0	0	0	56	153	0	7	0	48	0	0	0	0	340		0	0	0	0
8:45:00 AM	0	4	61	0	0	0	57	117	0	8	0	53	0	0	0	0	300		0	0	0	0
Count Total	0	21	575	0	0	0	531	1,398	0	72	0	342	0	0	0	0	2,939		0	0	0	0
Peak Hour	0	9	278	0	0	0	294	819	0	45	0	160	0	0	0	0	1,605		0	0	0	0



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Location: 19 C470 SB RAMPS & ALAMEDA PKWY AM

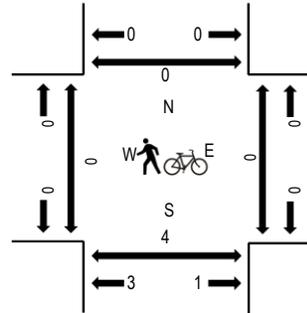
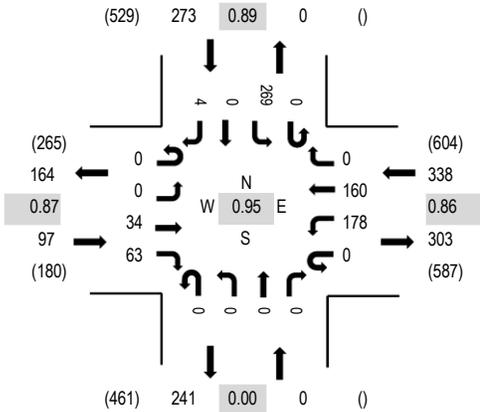
Date and Start Time: Tuesday, May 17, 2016

Peak Hour: 07:15 AM - 08:15 AM

Peak 15-Minutes: 07:15 AM - 07:30 AM

Peak Hour - All Vehicles

Peak Hour - Pedestrians/Bicycles in Crosswalk



Note: Total study counts contained in parentheses.

Traffic Counts

Interval Start Time	ALAMEDA PKWY Eastbound				ALAMEDA PKWY Westbound				C470 SB RAMPS Northbound				C470 SB RAMPS Southbound				Total	Rolling Hour	Pedestrian Crossings			
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right			West	East	South	North
7:00:00 AM	0	0	6	10	0	44	30	0	0	0	0	0	0	56	0	0	146	676	0	0	0	0
7:15:00 AM	0	0	12	12	0	44	54	0	0	0	0	0	0	63	0	1	186	708	0	0	0	0
7:30:00 AM	0	0	7	21	0	48	28	0	0	0	0	0	0	73	0	1	178	691	0	0	0	0
7:45:00 AM	0	0	6	14	0	42	46	0	0	0	0	0	0	57	0	1	166	665	0	0	0	0
8:00:00 AM	0	0	9	16	0	44	32	0	0	0	0	0	0	76	0	1	178	637	0	0	0	0
8:15:00 AM	0	0	13	18	0	44	23	0	0	0	0	0	0	68	0	3	169		0	0	0	0
8:30:00 AM	0	0	13	11	0	41	19	0	0	0	0	0	0	65	1	2	152		0	0	3	0
8:45:00 AM	0	0	5	7	0	44	21	0	0	0	0	0	0	58	0	3	138		0	0	0	0
Count Total	0	0	71	109	0	351	253	0	0	0	0	0	0	516	1	12	1,313		0	0	3	0
Peak Hour	0	0	34	63	0	178	160	0	0	0	0	0	0	269	0	4	708		0	0	0	0

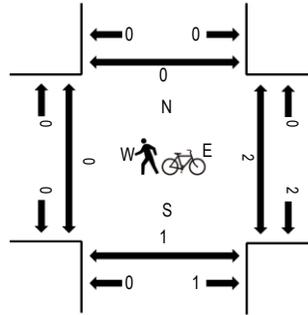
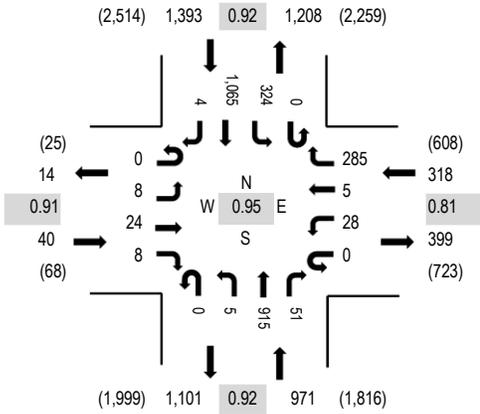


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Location: 40 CO 93 & WASHINGTON AVE AM
Date and Start Time: Tuesday, May 17, 2016
Peak Hour: 07:15 AM - 08:15 AM
Peak 15-Minutes: 07:30 AM - 07:45 AM

Peak Hour - All Vehicles

Peak Hour - Pedestrians/Bicycles in Crosswalk



Note: Total study counts contained in parentheses.

Traffic Counts

Interval Start Time	WASHINGTON AVE Eastbound				WASHINGTON AVE Westbound				CO 93 Northbound				CO 93 Southbound				Total	Rolling Hour	Pedestrian Crossings			
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right			West	East	South	North
7:00:00 AM	0	2	4	6	0	8	1	56	0	1	187	14	0	55	246	0	580	2,635	0	0	0	0
7:15:00 AM	0	1	6	1	0	10	0	54	0	0	251	13	0	62	272	1	671	2,722	0	1	0	0
7:30:00 AM	0	3	5	3	0	3	0	75	0	0	232	16	0	82	293	2	714	2,674	0	0	0	0
7:45:00 AM	0	3	7	1	0	6	0	72	0	1	201	11	0	101	267	0	670	2,558	0	1	1	0
8:00:00 AM	0	1	6	3	0	9	5	84	0	4	231	11	0	79	233	1	667	2,371	0	0	0	0
8:15:00 AM	0	1	1	0	0	9	2	68	0	0	242	13	0	64	221	2	623		0	0	0	0
8:30:00 AM	0	3	3	1	0	8	2	60	0	0	212	10	0	82	215	2	598		0	0	0	0
8:45:00 AM	0	1	5	1	0	10	0	66	0	1	153	12	0	61	173	0	483		0	1	0	0
Count Total	0	15	37	16	0	63	10	535	0	7	1,709	100	0	586	1,920	8	5,006		0	3	1	0
Peak Hour	0	8	24	8	0	28	5	285	0	5	915	51	0	324	1,065	4	2,722		0	2	1	0

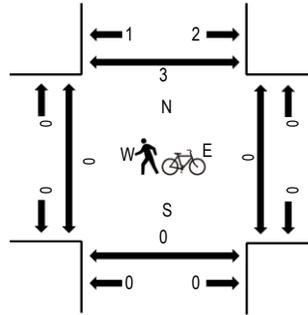
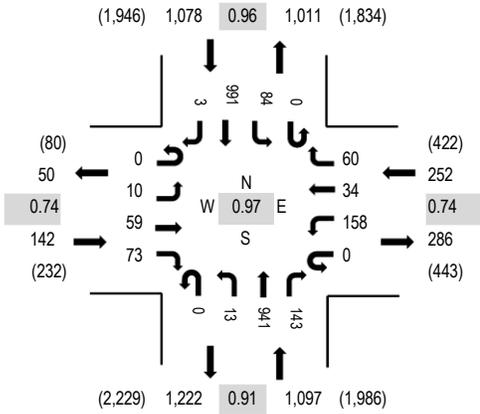


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Location: 41 CO 93 & IOWA DR AM
Date and Start Time: Tuesday, May 17, 2016
Peak Hour: 07:15 AM - 08:15 AM
Peak 15-Minutes: 07:30 AM - 07:45 AM

Peak Hour - All Vehicles

Peak Hour - Pedestrians/Bicycles in Crosswalk



Note: Total study counts contained in parentheses.

Traffic Counts

Interval Start Time	IOWA DR Eastbound				IOWA DR Westbound				CO 93 Northbound			CO 93 Southbound			Total	Rolling Hour	Pedestrian Crossings					
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left			Thru	Right	West	East	South	North
7:00:00 AM	0	3	10	24	0	39	3	8	0	1	218	24	0	7	235	0	572	2,508	0	0	0	0
7:15:00 AM	0	2	3	12	0	43	2	11	0	2	263	35	0	16	264	1	654	2,569	0	0	0	0
7:30:00 AM	0	2	10	27	0	34	5	13	0	5	248	41	0	16	261	1	663	2,477	0	0	0	0
7:45:00 AM	0	2	29	17	0	35	6	18	0	3	195	37	0	29	247	1	619	2,291	0	0	0	0
8:00:00 AM	0	4	17	17	0	46	21	18	0	3	235	30	0	23	219	0	633	2,078	0	0	0	3
8:15:00 AM	0	1	8	7	0	34	7	8	0	0	243	24	0	11	219	0	562		0	0	0	1
8:30:00 AM	0	0	5	12	0	22	6	10	0	5	178	20	0	9	208	2	477		0	0	0	0
8:45:00 AM	0	0	10	10	0	25	2	6	0	2	148	26	0	3	172	2	406		0	0	0	0
Count Total	0	14	92	126	0	278	52	92	0	21	1,728	237	0	114	1,825	7	4,586		0	0	0	4
Peak Hour	0	10	59	73	0	158	34	60	0	13	941	143	0	84	991	3	2,569		0	0	0	0



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Location: 42 CO 93 & GOLDEN GATE CANYON RD AM

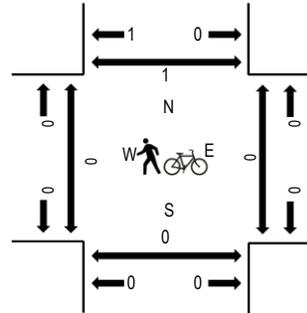
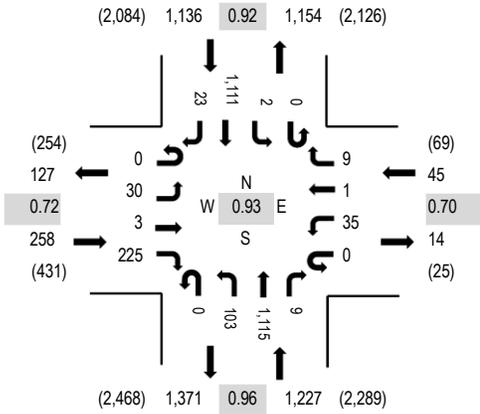
Date and Start Time: Tuesday, May 17, 2016

Peak Hour: 07:15 AM - 08:15 AM

Peak 15-Minutes: 07:30 AM - 07:45 AM

Peak Hour - All Vehicles

Peak Hour - Pedestrians/Bicycles in Crosswalk



Note: Total study counts contained in parentheses.

Traffic Counts

Interval Start Time	GOLDEN GATE CANYON RD Eastbound				GOLDEN GATE CANYON RD Westbound				CO 93 Northbound			CO 93 Southbound			Total	Rolling Hour	Pedestrian Crossings					
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left			Thru	Right	West	East	South	North
7:00:00 AM	0	4	0	32	0	3	0	0	0	20	228	0	0	0	244	6	537	2,551	0	0	0	0
7:15:00 AM	0	7	0	51	0	10	1	0	0	29	267	2	0	0	275	5	647	2,666	0	0	0	0
7:30:00 AM	0	10	1	79	0	4	0	3	0	23	289	0	0	0	306	4	719	2,614	0	0	0	1
7:45:00 AM	0	5	1	52	0	13	0	3	0	27	268	4	0	1	269	5	648	2,493	0	0	0	0
8:00:00 AM	0	8	1	43	0	8	0	3	0	24	291	3	0	1	261	9	652	2,322	0	0	0	0
8:15:00 AM	0	4	0	42	0	7	0	2	0	23	269	2	0	0	243	3	595		0	1	0	0
8:30:00 AM	0	8	0	48	0	7	0	0	0	32	257	1	0	1	240	4	598		0	0	0	0
8:45:00 AM	0	4	0	31	0	1	0	4	0	34	192	4	0	3	199	5	477		0	1	0	0
Count Total	0	50	3	378	0	53	1	15	0	212	2,061	16	0	6	2,037	41	4,873		0	2	0	1
Peak Hour	0	30	3	225	0	35	1	9	0	103	1,115	9	0	2	1,111	23	2,666		0	0	0	1

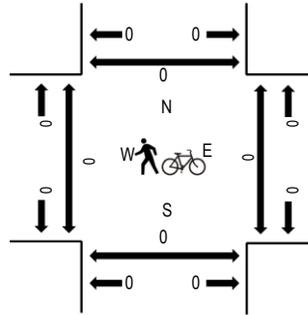
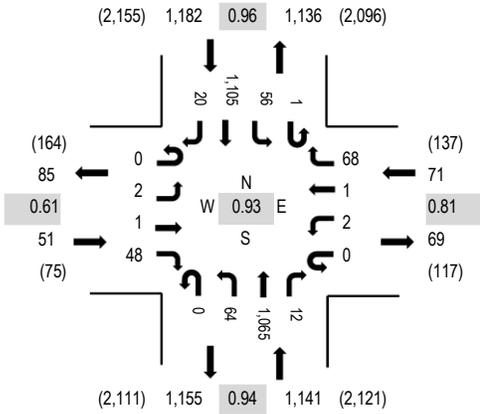


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Location: 43 CO 93 & PINE RIDGE RD AM
Date and Start Time: Tuesday, May 17, 2016
Peak Hour: 07:15 AM - 08:15 AM
Peak 15-Minutes: 07:30 AM - 07:45 AM

Peak Hour - All Vehicles

Peak Hour - Pedestrians/Bicycles in Crosswalk



Note: Total study counts contained in parentheses.

Traffic Counts

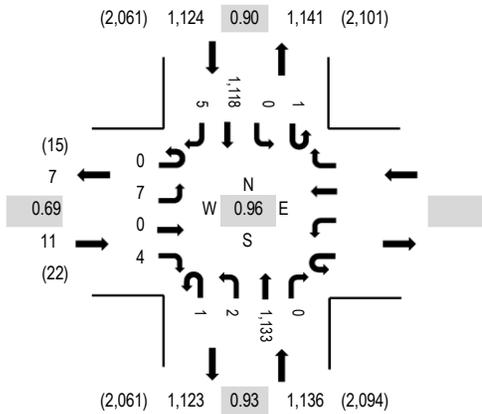
Interval Start Time	PINE RIDGE RD Eastbound				PINE RIDGE RD Westbound				CO 93 Northbound				CO 93 Southbound				Total	Rolling Hour	Pedestrian Crossings			
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right			West	East	South	North
7:00:00 AM	0	1	0	2	0	4	0	13	0	14	225	2	0	9	250	1	521	2,364	0	1	0	0
7:15:00 AM	0	0	0	12	0	0	0	15	0	13	254	3	0	18	274	7	596	2,445	0	0	0	0
7:30:00 AM	0	2	0	19	0	1	0	21	0	17	288	0	1	13	289	4	655	2,399	0	0	0	0
7:45:00 AM	0	0	1	8	0	1	1	18	0	14	250	6	0	12	276	5	592	2,264	0	0	0	0
8:00:00 AM	0	0	0	9	0	0	0	14	0	20	273	3	0	13	266	4	602	2,124	0	0	0	0
8:15:00 AM	0	0	0	5	0	0	0	23	0	17	255	8	0	8	230	4	550		0	0	0	0
8:30:00 AM	0	1	0	9	0	3	1	6	0	13	241	2	0	3	236	5	520		0	0	0	0
8:45:00 AM	0	0	0	6	0	0	1	15	0	17	180	6	0	10	211	6	452		0	0	0	0
Count Total	0	4	1	70	0	9	3	125	0	125	1,966	30	1	86	2,032	36	4,488		0	1	0	0
Peak Hour	0	2	1	48	0	2	1	68	0	64	1,065	12	1	56	1,105	20	2,445		0	1	0	0



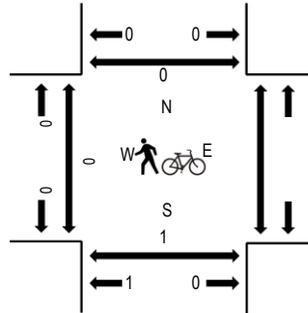
(303) 216-2439
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Location: 45 CO 93 & W 56TH AVE AM
Date and Start Time: Tuesday, May 17, 2016
Peak Hour: 07:15 AM - 08:15 AM
Peak 15-Minutes: 07:30 AM - 07:45 AM

Peak Hour - All Vehicles



Peak Hour - Pedestrians/Bicycles in Crosswalk



Note: Total study counts contained in parentheses.

Traffic Counts

Interval Start Time	W 56TH AVE Eastbound				Westbound			CO 93 Northbound			CO 93 Southbound				Total	Rolling Hour	Pedestrian Crossings			
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru Right	U-Turn	Left	Thru Right	U-Turn	Left	Thru	Right			West	East	South	North
7:00:00 AM	0	1	0	0	0	0	233	0	0	272	0	0	0	228	0	462	2,179	0	0	0
7:15:00 AM	0	2	0	1	0	0	272	0	1	0	268	0	544	0	544	2,271	0	0	0	
7:30:00 AM	0	2	0	1	1	0	304	0	0	0	286	0	594	0	594	2,247	0	0	0	
7:45:00 AM	0	1	0	0	0	0	265	0	0	0	312	1	579	1	579	2,170	0	1	0	
8:00:00 AM	0	2	0	2	0	2	292	0	0	0	252	4	554	4	554	1,998	0	0	0	
8:15:00 AM	0	0	0	0	0	2	276	0	0	0	239	3	520	3	520		0	0	0	
8:30:00 AM	0	3	0	5	0	0	254	0	0	0	254	1	517	1	517		0	0	0	
8:45:00 AM	0	1	0	1	1	0	192	0	0	0	210	2	407	2	407		0	0	0	
Count Total	0	12	0	10	2	4	2,088	0	1	0	2,049	11	4,177	11	4,177		0	1	0	
Peak Hour	0	7	0	4	1	2	1,133	0	1	0	1,118	5	2,271	5	2,271		0	1	0	

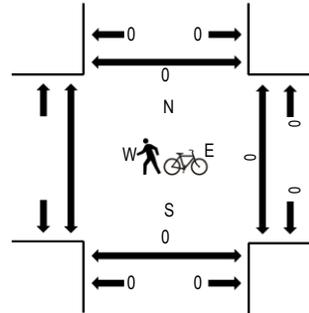
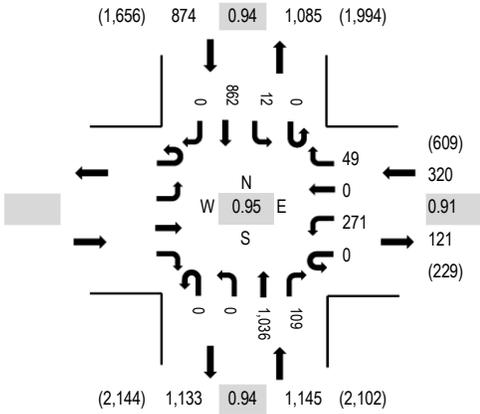


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Location: 46 CO 93 & W 58TH AVE AM
Date and Start Time: Tuesday, May 17, 2016
Peak Hour: 07:30 AM - 08:30 AM
Peak 15-Minutes: 07:30 AM - 07:45 AM

Peak Hour - All Vehicles

Peak Hour - Pedestrians/Bicycles in Crosswalk



Note: Total study counts contained in parentheses.

Traffic Counts

Interval Start Time	W 58TH AVE				CO 93				CO 93				Total	Rolling Hour	Pedestrian Crossings						
	Eastbound		Westbound		Northbound		Southbound		U-Turn	Left	Thru	Right			West	East	South	North			
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right					U-Turn	Left					Thru	Right	
7:00:00 AM					0	87	0	18	0	0	229	20	0	3	163	0	520	2,300	0	0	0
7:15:00 AM					0	64	0	12	0	0	234	17	0	3	228	0	558	2,328	0	0	0
7:30:00 AM					0	77	0	11	0	0	282	22	0	2	220	0	614	2,339	0	0	0
7:45:00 AM					0	79	0	9	0	0	272	16	0	4	228	0	608	2,259	0	0	0
8:00:00 AM					0	64	0	14	0	0	232	38	0	4	196	0	548	2,067	0	0	0
8:15:00 AM					0	51	0	15	0	0	250	33	0	2	218	0	569		0	0	0
8:30:00 AM					0	51	0	8	0	0	241	24	0	2	208	0	534		0	0	0
8:45:00 AM					0	41	0	8	0	0	159	33	0	6	169	0	416		0	0	0
Count Total					0	514	0	95	0	0	1,899	203	0	26	1,630	0	4,367		0	0	0
Peak Hour					0	271	0	49	0	0	1,036	109	0	12	862	0	2,339		0	0	0

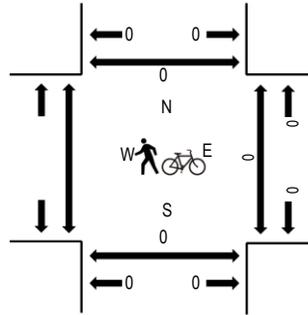
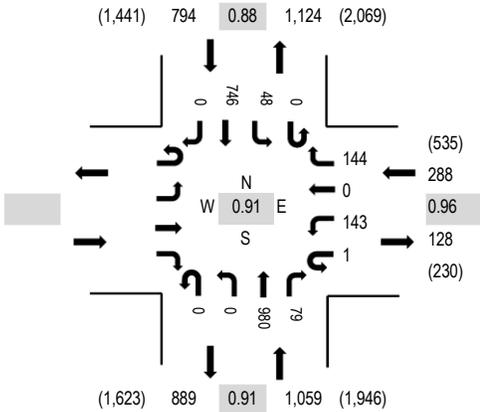


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Location: 50 CO 93 & W 64TH PKWY AM
Date and Start Time: Tuesday, May 17, 2016
Peak Hour: 07:15 AM - 08:15 AM
Peak 15-Minutes: 07:30 AM - 07:45 AM

Peak Hour - All Vehicles

Peak Hour - Pedestrians/Bicycles in Crosswalk



Note: Total study counts contained in parentheses.

Traffic Counts

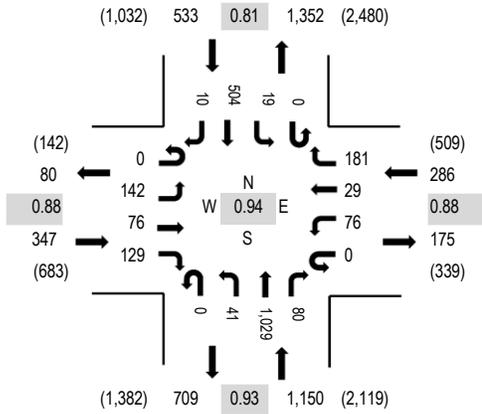
Interval Start Time	W 64TH PKWY				CO 93				CO 93				Total	Rolling Hour	Pedestrian Crossings						
	Eastbound		Westbound		Northbound		Southbound		U-Turn	Left	Thru	Right			West	East	South	North			
7:00:00 AM					0	48	0	34	0	0	216	15	0	5	138	0	456	2,075	0	0	0
7:15:00 AM					0	35	0	40	0	0	254	15	0	11	203	0	558	2,141	0	0	0
7:30:00 AM					0	33	0	37	0	0	267	25	0	15	211	0	588	2,083	0	0	0
7:45:00 AM					0	38	0	32	0	0	209	17	0	14	163	0	473	1,946	0	0	0
8:00:00 AM					1	37	0	35	0	0	250	22	0	8	169	0	522	1,847	0	0	0
8:15:00 AM					0	33	0	35	0	0	249	10	0	9	164	0	500		0	0	0
8:30:00 AM					0	32	0	24	0	0	225	12	0	15	143	0	451		0	0	0
8:45:00 AM					0	22	0	19	0	0	143	17	0	19	154	0	374		0	0	0
Count Total					1	278	0	256	0	0	1,813	133	0	96	1,345	0	3,922		0	0	0
Peak Hour					1	143	0	144	0	0	980	79	0	48	746	0	2,141		0	0	0



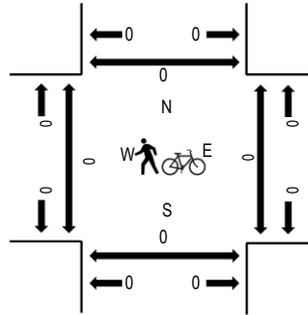
(303) 216-2439
www.alltrafficdata.net

Location: 55 CO 93 & CO 72 AM
Date and Start Time: Tuesday, May 17, 2016
Peak Hour: 07:30 AM - 08:30 AM
Peak 15-Minutes: 07:30 AM - 07:45 AM

Peak Hour - All Vehicles



Peak Hour - Pedestrians/Bicycles in Crosswalk



Note: Total study counts contained in parentheses.

Traffic Counts

Interval Start Time	CO 72 Eastbound				CO 72 Westbound				CO 93 Northbound				CO 93 Southbound				Total	Rolling Hour	Pedestrian Crossings			
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right			West	East	South	North
7:00:00 AM	0	34	21	35	0	13	8	29	0	4	237	16	0	3	86	0	486	2,253	0	0	0	0
7:15:00 AM	0	35	14	45	0	29	7	35	0	4	239	18	0	4	139	1	570	2,299	0	0	0	0
7:30:00 AM	0	44	21	34	0	23	4	34	0	10	264	15	0	7	157	1	614	2,316	0	0	0	0
7:45:00 AM	0	28	20	30	0	22	4	43	0	11	276	22	0	4	119	4	583	2,246	0	0	0	0
8:00:00 AM	0	42	18	32	0	15	7	53	0	9	207	29	0	3	114	3	532	2,090	0	0	0	0
8:15:00 AM	0	28	17	33	0	16	14	51	0	11	282	14	0	5	114	2	587		0	0	0	0
8:30:00 AM	0	37	24	27	0	18	8	36	0	8	247	15	0	4	115	5	544		0	0	0	0
8:45:00 AM	0	19	24	21	0	12	7	21	0	6	159	16	0	5	133	4	427		0	0	0	0
Count Total	0	267	159	257	0	148	59	302	0	63	1,911	145	0	35	977	20	4,343		0	0	0	0
Peak Hour	0	142	76	129	0	76	29	181	0	41	1,029	80	0	19	504	10	2,316		0	0	0	0

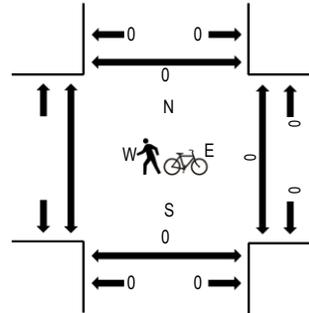
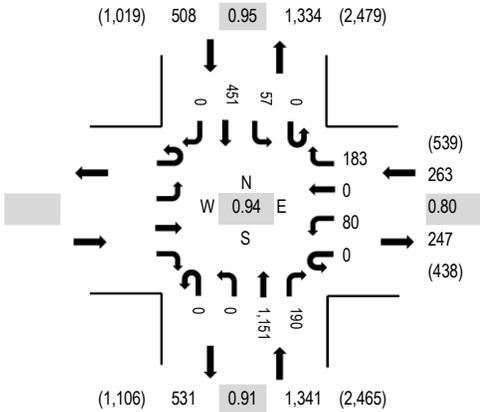


(303) 216-2439
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Location: 61 CO 93 & CO 128 AM
Date and Start Time: Tuesday, May 17, 2016
Peak Hour: 07:30 AM - 08:30 AM
Peak 15-Minutes: 08:15 AM - 08:30 AM

Peak Hour - All Vehicles

Peak Hour - Pedestrians/Bicycles in Crosswalk



Note: Total study counts contained in parentheses.

Traffic Counts

Interval Start Time	CO 128 Eastbound				CO 128 Westbound				CO 93 Northbound				CO 93 Southbound				Total	Rolling Hour	Pedestrian Crossings			
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right			West	East	South	North
7:00:00 AM					0	25	0	33	0	0	257	31	0	8	117	0	471	2,062	0	0	0	
7:15:00 AM					0	25	0	39	0	0	261	32	0	7	136	0	500	2,052	0	0	0	
7:30:00 AM					0	22	0	47	0	0	300	51	0	10	120	0	550	2,112	0	0	0	
7:45:00 AM					0	23	0	59	0	0	294	47	0	11	107	0	541	2,103	0	0	0	
8:00:00 AM					0	18	0	35	0	0	231	50	0	22	105	0	461	1,961	0	0	0	
8:15:00 AM					0	17	0	42	0	0	326	42	0	14	119	0	560		0	0	0	
8:30:00 AM					0	27	0	51	0	0	288	45	0	18	112	0	541		0	0	0	
8:45:00 AM					0	32	0	44	0	0	172	38	0	12	101	0	399		0	0	0	
Count Total					0	189	0	350	0	0	2,129	336	0	102	917	0	4,023		0	0	0	
Peak Hour					0	80	0	183	0	0	1,151	190	0	57	451	0	2,112		0	0	0	



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Location: 65 CO 93 & ELDORADO SPRINGS DR AM

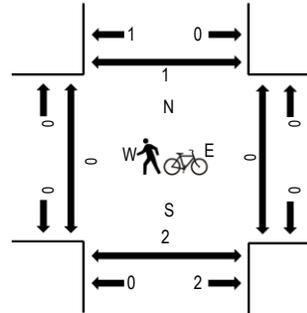
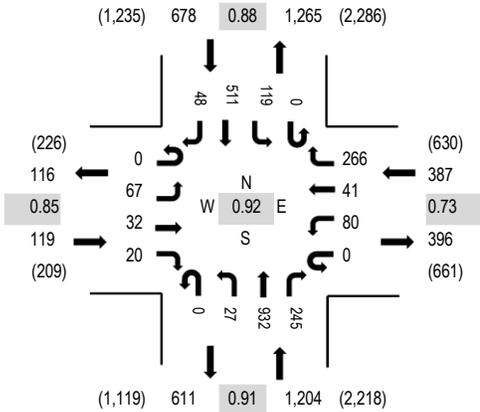
Date and Start Time: Tuesday, May 17, 2016

Peak Hour: 07:30 AM - 08:30 AM

Peak 15-Minutes: 07:45 AM - 08:00 AM

Peak Hour - All Vehicles

Peak Hour - Pedestrians/Bicycles in Crosswalk



Note: Total study counts contained in parentheses.

Traffic Counts

Interval Start Time	ELDORADO SPRINGS DR Eastbound				ELDORADO SPRINGS DR Westbound				CO 93 Northbound				CO 93 Southbound				Total	Rolling Hour	Pedestrian Crossings			
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right			West	East	South	North
7:00:00 AM	0	12	2	3	0	14	4	11	0	4	170	35	0	8	97	9	369	2,060	0	0	0	0
7:15:00 AM	0	7	7	2	0	19	5	39	0	1	206	42	0	11	94	17	450	2,257	0	0	0	0
7:30:00 AM	0	14	5	4	0	19	8	78	0	8	266	58	0	15	112	8	595	2,388	0	0	0	0
7:45:00 AM	0	16	10	6	0	25	9	99	0	4	226	61	0	54	127	9	646	2,326	0	0	0	0
8:00:00 AM	0	22	8	5	0	16	16	43	0	7	195	62	0	32	144	16	566	2,232	0	0	0	0
8:15:00 AM	0	15	9	5	0	20	8	46	0	8	245	64	0	18	128	15	581		0	0	0	0
8:30:00 AM	0	16	10	4	0	18	16	39	0	7	228	36	0	23	121	15	533		0	0	1	0
8:45:00 AM	0	13	12	2	0	26	8	44	0	4	236	45	0	34	108	20	552		0	0	0	1
Count Total	0	115	63	31	0	157	74	399	0	43	1,772	403	0	195	931	109	4,292		0	0	1	1
Peak Hour	0	67	32	20	0	80	41	266	0	27	932	245	0	119	511	48	2,388		0	0	0	0

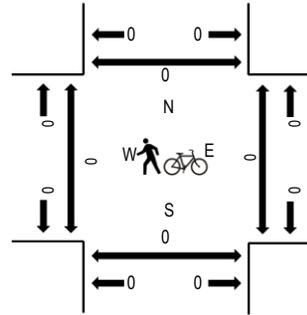
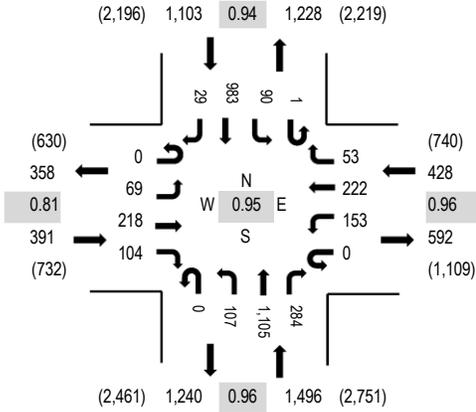


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Location: 38 CO 93 & CO 58 PM
Date and Start Time: Tuesday, May 17, 2016
Peak Hour: 04:30 PM - 05:30 PM
Peak 15-Minutes: 05:15 PM - 05:30 PM

Peak Hour - All Vehicles

Peak Hour - Pedestrians/Bicycles in Crosswalk



Note: Total study counts contained in parentheses.

Traffic Counts

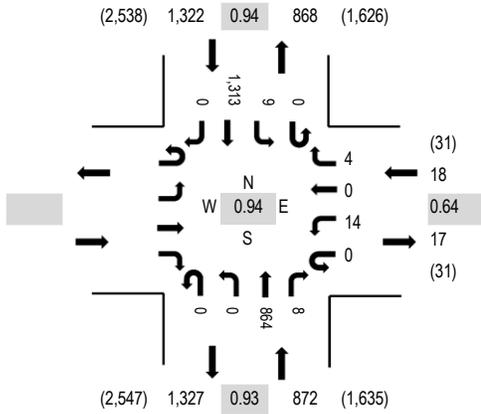
Interval Start Time	CO 58 Eastbound				CO 58 Westbound				CO 93 Northbound				CO 93 Southbound				Total	Rolling Hour	Pedestrian Crossings			
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right			West	East	South	North
4:00:00 PM	0	19	50	22	0	34	29	8	0	34	223	67	0	18	253	8	765	3,273	0	0	0	0
4:15:00 PM	0	18	46	19	0	45	38	18	0	35	279	62	0	15	236	7	818	3,341	0	0	0	0
4:30:00 PM	0	14	48	23	0	35	59	18	0	24	280	66	0	23	255	8	853	3,418	0	0	0	0
4:45:00 PM	0	18	71	31	0	37	47	10	0	28	263	77	0	19	228	8	837	3,374	0	0	0	0
5:00:00 PM	0	23	34	25	0	41	58	12	0	20	283	67	0	31	230	9	833	3,146	0	0	0	0
5:15:00 PM	0	14	65	25	0	40	58	13	0	35	279	74	1	17	270	4	895		0	0	0	0
5:30:00 PM	0	14	52	34	0	39	36	14	0	33	236	75	0	21	250	5	809		0	0	0	0
5:45:00 PM	0	11	34	22	0	20	25	6	0	19	145	47	0	30	247	3	609		0	0	0	0
Count Total	0	131	400	201	0	291	350	99	0	228	1,988	535	1	174	1,969	52	6,419		0	0	0	0
Peak Hour	0	69	218	104	0	153	222	53	0	107	1,105	284	1	90	983	29	3,418		0	0	0	0



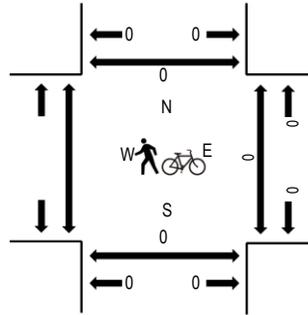
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Location: 58 CO 93 & WESTGATE RD PM
Date and Start Time: Tuesday, May 17, 2016
Peak Hour: 05:00 PM - 06:00 PM
Peak 15-Minutes: 05:00 PM - 05:15 PM

Peak Hour - All Vehicles



Peak Hour - Pedestrians/Bicycles in Crosswalk



Note: Total study counts contained in parentheses.

Traffic Counts

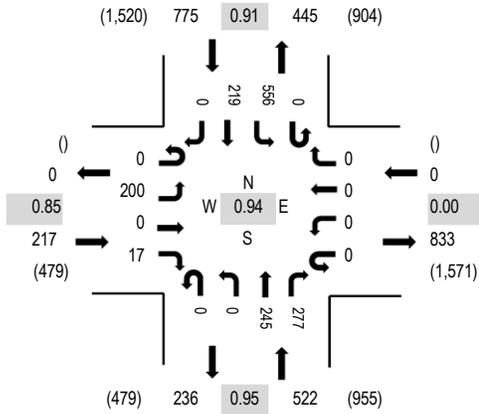
Interval Start Time	WESTGATE RD				CO 93				CO 93				Total	Rolling Hour	Pedestrian Crossings						
	Eastbound		Westbound		Northbound		Southbound		U-Turn	Left	Thru	Right			West	East	South	North			
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right					U-Turn	Left					Thru	Right	
4:00:00 PM					0	4	0	1	0	0	187	1	0	2	266	0	461	1,992	0	0	0
4:15:00 PM					0	3	0	0	0	0	167	3	0	0	301	0	474	2,122	0	0	0
4:30:00 PM					0	3	0	1	0	0	213	1	0	3	326	0	547	2,187	0	0	0
4:45:00 PM					0	1	0	0	0	0	189	2	0	2	316	0	510	2,146	0	0	0
5:00:00 PM					0	6	0	1	0	0	231	3	0	3	347	0	591	2,212	0	0	0
5:15:00 PM					0	2	0	1	0	0	214	1	0	0	321	0	539		0	0	0
5:30:00 PM					0	2	0	2	0	0	191	4	0	3	304	0	506		0	0	0
5:45:00 PM					0	4	0	0	0	0	228	0	0	3	341	0	576		0	0	0
Count Total					0	25	0	6	0	0	1,620	15	0	16	2,522	0	4,204		0	0	0
Peak Hour					0	14	0	4	0	0	864	8	0	9	1,313	0	2,212		0	0	0



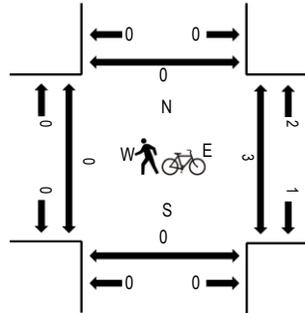
(303) 216-2439
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Location: 1 KIPLING ST & EB C470 RAMPS PM
Date and Start Time: Tuesday, May 17, 2016
Peak Hour: 04:30 PM - 05:30 PM
Peak 15-Minutes: 05:00 PM - 05:15 PM

Peak Hour - All Vehicles



Peak Hour - Pedestrians/Bicycles in Crosswalk



Note: Total study counts contained in parentheses.

Traffic Counts

Interval Start Time	EB C470 RAMPS Eastbound				EB C470 RAMPS Westbound				KIPLING ST Northbound				KIPLING ST Southbound				Total	Rolling Hour	Pedestrian Crossings			
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right			West	East	South	North
4:00:00 PM	0	57	0	11	0	0	0	0	0	0	80	52	0	118	52	0	370	1,462	0	0	0	0
4:15:00 PM	0	61	0	3	0	0	0	0	0	0	59	49	0	148	46	0	366	1,495	0	1	0	0
4:30:00 PM	0	60	0	1	0	0	0	0	0	0	60	77	0	116	55	0	369	1,514	0	0	0	0
4:45:00 PM	0	36	0	2	0	0	0	0	0	0	63	71	0	120	65	0	357	1,513	0	0	0	0
5:00:00 PM	0	57	0	7	0	0	0	0	0	0	55	72	0	172	40	0	403	1,492	0	0	0	0
5:15:00 PM	0	47	0	7	0	0	0	0	0	0	67	57	0	148	59	0	385		0	3	0	0
5:30:00 PM	0	61	0	12	0	0	0	0	0	0	54	51	0	130	60	0	368		0	1	0	0
5:45:00 PM	0	46	0	11	0	0	0	0	0	0	41	47	0	143	48	0	336		1	0	0	0
Count Total	0	425	0	54	0	0	0	0	0	0	479	476	0	1,095	425	0	2,954		1	5	0	0
Peak Hour	0	200	0	17	0	0	0	0	0	0	245	277	0	556	219	0	1,514		0	3	0	0



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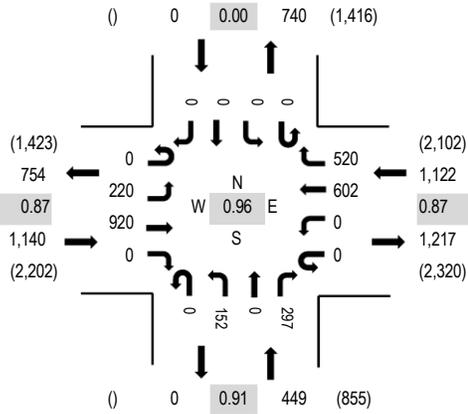
Location: 5 NB C470 OFF RAMP & KEN CARYL AVE PM

Date and Start Time: Tuesday, May 17, 2016

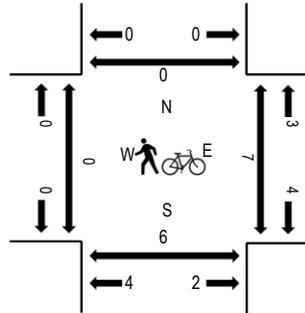
Peak Hour: 04:45 PM - 05:45 PM

Peak 15-Minutes: 05:00 PM - 05:15 PM

Peak Hour - All Vehicles



Peak Hour - Pedestrians/Bicycles in Crosswalk



Note: Total study counts contained in parentheses.

Traffic Counts

Interval Start Time	KEN CARYL AVE Eastbound				KEN CARYL AVE Westbound				NB C470 OFF RAMP Northbound			NB C470 OFF RAMP Southbound				Total	Rolling Hour	Pedestrian Crossings				
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru			Right	West	East	South	North
4:00:00 PM	0	62	213	0	0	0	126	122	0	37	1	71	0	0	0	0	632	2,539	0	0	1	0
4:15:00 PM	0	74	232	0	0	0	135	126	0	39	0	62	0	0	0	0	668	2,610	0	1	0	0
4:30:00 PM	1	47	205	0	0	0	132	116	0	24	0	69	0	0	0	0	594	2,634	0	2	3	0
4:45:00 PM	0	42	226	0	0	0	151	114	0	38	0	74	0	0	0	0	645	2,711	0	0	1	0
5:00:00 PM	0	50	223	0	0	0	158	166	0	39	0	67	0	0	0	0	703	2,620	0	0	1	0
5:15:00 PM	0	72	254	0	0	0	143	115	0	38	0	70	0	0	0	0	692		0	1	1	0
5:30:00 PM	0	56	217	0	0	0	150	125	0	37	0	86	0	0	0	0	671		0	0	1	0
5:45:00 PM	0	33	195	0	0	0	128	95	0	47	0	56	0	0	0	0	554		0	0	0	0
Count Total	1	436	1,765	0	0	0	1,123	979	0	299	1	555	0	0	0	0	5,159		0	4	8	0
Peak Hour	0	220	920	0	0	0	602	520	0	152	0	297	0	0	0	0	2,711		0	2	1	0



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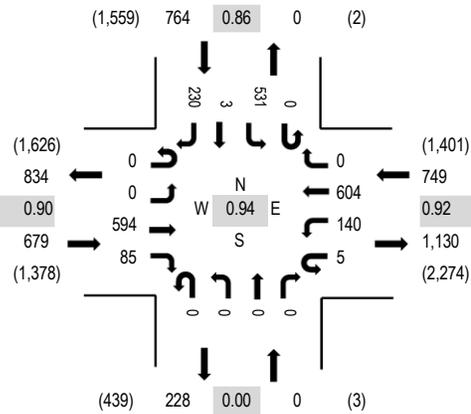
Location: 6 SO C470 OFF RAMP & KEN CARYL AVE PM

Date and Start Time: Tuesday, May 17, 2016

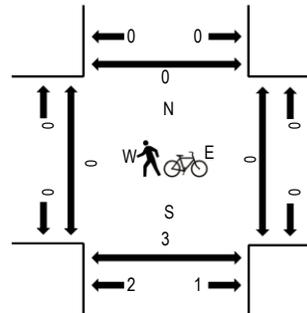
Peak Hour: 04:45 PM - 05:45 PM

Peak 15-Minutes: 05:15 PM - 05:30 PM

Peak Hour - All Vehicles



Peak Hour - Pedestrians/Bicycles in Crosswalk



Note: Total study counts contained in parentheses.

Traffic Counts

Interval Start Time	KEN CARYL AVE Eastbound				KEN CARYL AVE Westbound				SO C470 OFF RAMP Northbound				SB C470 OFF RAMP Southbound				Total	Rolling Hour	Pedestrian Crossings			
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right			West	East	South	North
4:00:00 PM	0	0	171	21	1	32	118	0	0	0	0	0	0	134	1	64	542	2,191	0	0	1	0
4:15:00 PM	0	0	186	33	0	30	134	0	0	0	1	1	0	145	0	60	590	2,191	0	0	0	0
4:30:00 PM	0	0	151	19	1	42	132	0	0	0	1	0	0	125	0	75	546	2,184	0	0	1	0
4:45:00 PM	0	0	139	25	5	27	138	0	0	0	0	0	0	122	0	57	513	2,192	0	0	0	0
5:00:00 PM	0	0	139	23	0	38	166	0	0	0	0	0	0	120	3	53	542	2,150	0	0	1	0
5:15:00 PM	0	0	167	22	0	38	135	0	0	0	0	0	0	165	0	56	583		0	0	2	0
5:30:00 PM	0	0	149	15	0	37	165	0	0	0	0	0	0	124	0	64	554		0	0	0	0
5:45:00 PM	0	0	107	11	0	22	140	0	0	0	0	0	0	122	0	69	471		0	0	1	0
Count Total	0	0	1,209	169	7	266	1,128	0	0	0	2	1	0	1,057	4	498	4,341		0	0	6	0
Peak Hour	0	0	594	85	5	140	604	0	0	0	0	0	0	531	3	230	2,192		0	0	0	0



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Location: 9 SB C470 OFF RAMP & BOWLES AVE PM

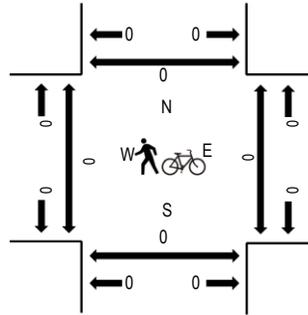
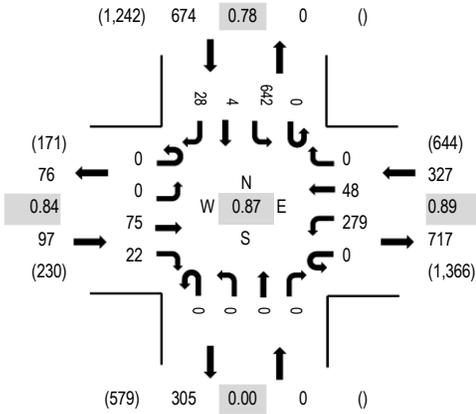
Date and Start Time: Tuesday, May 17, 2016

Peak Hour: 04:00 PM - 05:00 PM

Peak 15-Minutes: 04:15 PM - 04:30 PM

Peak Hour - All Vehicles

Peak Hour - Pedestrians/Bicycles in Crosswalk



Note: Total study counts contained in parentheses.

Traffic Counts

Interval Start Time	BOWLES AVE Eastbound				BOWLES AVE Westbound				SB C470 OFF RAMP Northbound				SB C470 OFF RAMP Southbound				Total	Rolling Hour	Pedestrian Crossings				
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right			West	East	South	North	
4:00:00 PM	0	0	15	6	0	74	15	0	0	0	0	0	0	0	168	2	7	287	1,098	0	0	0	0
4:15:00 PM	0	0	16	5	0	69	10	0	0	0	0	0	0	0	208	2	6	316	1,052	0	0	0	0
4:30:00 PM	0	0	25	4	0	80	12	0	0	0	0	0	0	0	143	0	7	271	1,023	0	0	0	0
4:45:00 PM	0	0	19	7	0	56	11	0	0	0	0	0	0	0	123	0	8	224	991	0	0	0	0
5:00:00 PM	0	0	35	8	0	68	19	0	0	0	0	0	0	0	107	0	4	241	1,018	0	0	0	0
5:15:00 PM	0	0	17	7	0	62	16	0	0	0	0	0	0	0	175	1	9	287		0	0	0	0
5:30:00 PM	0	0	34	5	1	63	20	0	0	0	0	0	0	0	108	0	8	239		0	0	0	0
5:45:00 PM	0	0	20	7	1	53	14	0	0	0	0	0	0	0	151	0	5	251		0	0	0	0
Count Total	0	0	181	49	2	525	117	0	0	0	0	0	0	0	1,183	5	54	2,116		0	0	0	0
Peak Hour	0	0	75	22	0	279	48	0	0	0	0	0	0	0	642	4	28	1,098		0	0	1	0



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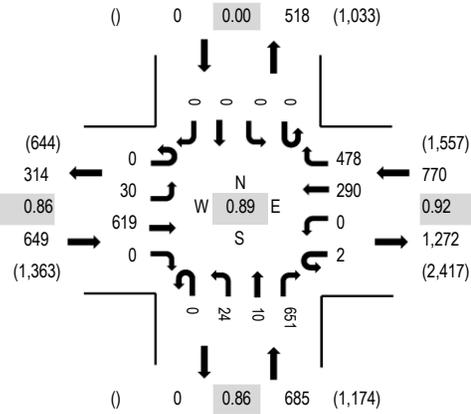
Location: 10 NB C470 OFF RAMP & BOWLES AVE PM

Date and Start Time: Tuesday, May 17, 2016

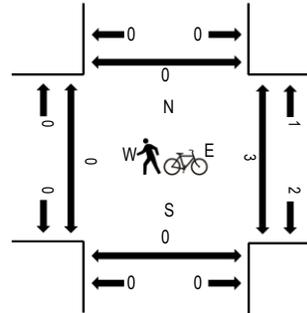
Peak Hour: 05:00 PM - 06:00 PM

Peak 15-Minutes: 05:15 PM - 05:30 PM

Peak Hour - All Vehicles



Peak Hour - Pedestrians/Bicycles in Crosswalk



Note: Total study counts contained in parentheses.

Traffic Counts

Interval Start Time	BOWLES AVE Eastbound				BOWLES AVE Westbound				NB C470 OFF RAMP Northbound			NB C470 OFF RAMP Southbound				Total	Rolling Hour	Pedestrian Crossings				
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru			Right	West	East	South	North
4:00:00 PM	0	6	182	0	0	0	80	127	0	7	0	122	0	0	0	0	524	1,990	0	0	0	0
4:15:00 PM	0	8	207	0	0	0	78	118	0	6	0	108	0	0	0	0	525	1,954	0	0	0	0
4:30:00 PM	0	11	168	0	0	0	84	114	0	7	0	114	0	0	0	0	498	2,021	0	0	0	0
4:45:00 PM	0	8	124	0	0	0	63	123	0	5	0	120	0	0	0	0	443	2,079	0	0	0	0
5:00:00 PM	0	11	136	0	2	0	77	111	0	5	0	146	0	0	0	0	488	2,104	0	1	0	0
5:15:00 PM	0	4	184	0	0	0	73	135	0	8	4	184	0	0	0	0	592		0	0	0	0
5:30:00 PM	0	9	140	0	0	0	72	137	0	8	5	185	0	0	0	0	556		0	0	0	0
5:45:00 PM	0	6	159	0	0	0	68	95	0	3	1	136	0	0	0	0	468		0	0	0	0
Count Total	0	63	1,300	0	2	0	595	960	0	49	10	1,115	0	0	0	0	4,094		0	1	0	0
Peak Hour	0	30	619	0	2	0	290	478	0	24	10	651	0	0	0	0	2,104		0	1	0	1



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Location: 12 NB C470 RAMPS & QUINCY AVE PM

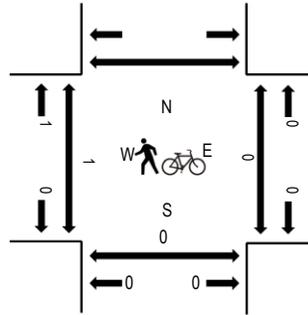
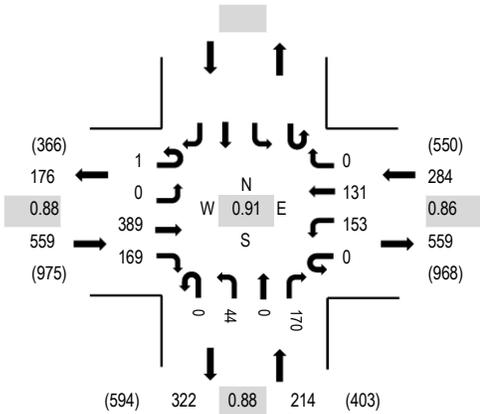
Date and Start Time: Tuesday, May 17, 2016

Peak Hour: 04:15 PM - 05:15 PM

Peak 15-Minutes: 04:30 PM - 04:45 PM

Peak Hour - All Vehicles

Peak Hour - Pedestrians/Bicycles in Crosswalk



Note: Total study counts contained in parentheses.

Traffic Counts

Interval Start Time	QUINCY AVE Eastbound				QUINCY AVE Westbound				NB C470 RAMPS Northbound				Southbound				Total	Rolling Hour	Pedestrian Crossings			
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right			West	East	South	North
4:00:00 PM	0	0	75	43	1	33	46	0	0	0	18	0	33			249	1,024	0	0	0		
4:15:00 PM	0	0	70	44	0	37	31	0	0	0	10	0	44			236	1,057	0	0	0		
4:30:00 PM	0	0	113	44	0	39	36	0	0	0	13	0	46			291	1,039	0	0	0		
4:45:00 PM	1	0	96	32	0	35	23	0	0	0	11	0	50			248	954	0	0	0		
5:00:00 PM	0	0	110	49	0	42	41	0	0	0	10	0	30			282	904	1	0	0		
5:15:00 PM	0	0	77	33	0	35	36	0	0	0	7	0	30			218		0	0	0		
5:30:00 PM	0	0	58	35	0	29	29	0	0	0	11	0	44			206		0	0	0		
5:45:00 PM	0	0	62	33	0	31	26	0	0	0	17	0	29			198		0	0	0		
Count Total	1	0	661	313	1	281	268	0	0	0	97	0	306			1,928		1	0	0		
Peak Hour	1	0	389	169	0	153	131	0	0	0	44	0	170			1,057		0	0	0		



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Location: 13 SB C470 RAMPS & QUINCY AVE PM

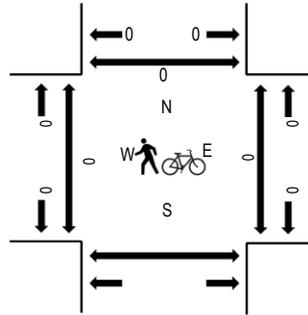
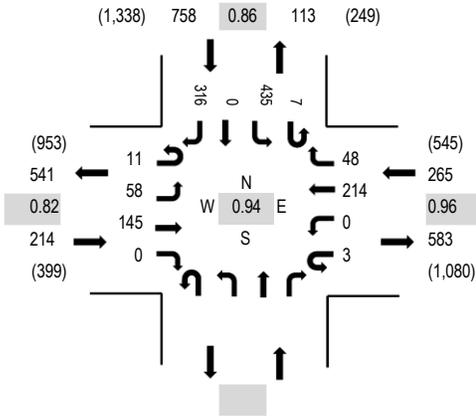
Date and Start Time: Tuesday, May 17, 2016

Peak Hour: 04:30 PM - 05:30 PM

Peak 15-Minutes: 05:15 PM - 05:30 PM

Peak Hour - All Vehicles

Peak Hour - Pedestrians/Bicycles in Crosswalk



Note: Total study counts contained in parentheses.

Traffic Counts

Interval Start Time	QUINCY AVE Eastbound				QUINCY AVE Westbound				Northbound			SB C470 RAMPS Southbound				Total	Rolling Hour	Pedestrian Crossings			
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru			Right	West	East	South
4:00:00 PM	1	15	34	0	0	0	64	13				0	99	0	60	286	1,164	0	0	0	
4:15:00 PM	2	16	24	0	0	0	61	15				0	123	0	51	292	1,201	0	0	0	
4:30:00 PM	0	12	36	0	1	0	51	11				1	84	0	65	261	1,237	0	0	0	
4:45:00 PM	5	12	24	0	1	0	51	12				3	120	0	97	325	1,225	0	0	0	
5:00:00 PM	6	16	43	0	1	0	61	7				2	104	0	83	323	1,118	0	0	0	
5:15:00 PM	0	18	42	0	0	0	51	18				1	127	0	71	328		0	0	0	
5:30:00 PM	0	27	26	0	0	0	49	17				3	88	0	39	249		0	0	0	
5:45:00 PM	0	15	25	0	0	0	47	14				1	78	0	38	218		0	0	0	
Count Total	14	131	254	0	3	0	435	107				11	823	0	504	2,282		0	0	0	
Peak Hour	11	58	145	0	3	0	214	48				7	435	0	316	1,237		0	0	0	



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Location: 18 NB C470 RAMPS & ALAMEDA PKWY PM

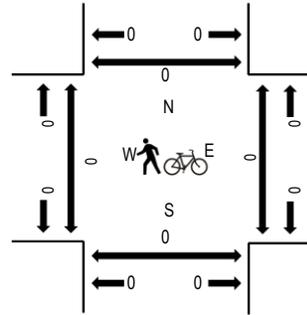
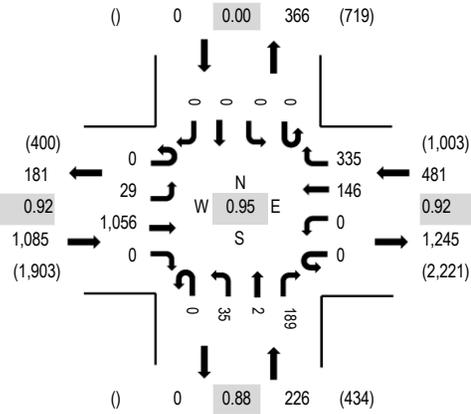
Date and Start Time: Tuesday, May 17, 2016

Peak Hour: 05:00 PM - 06:00 PM

Peak 15-Minutes: 05:30 PM - 05:45 PM

Peak Hour - All Vehicles

Peak Hour - Pedestrians/Bicycles in Crosswalk



Note: Total study counts contained in parentheses.

Traffic Counts

Interval Start Time	ALAMEDA PKWY Eastbound				ALAMEDA PKWY Westbound				NB C470 RAMPS Northbound				NB C470 RAMPS Southbound				Total	Rolling Hour	Pedestrian Crossings			
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right			West	East	South	North
4:00:00 PM	0	4	184	0	0	0	70	90	0	7	0	48	0	0	0	0	403	1,548	0	0	0	0
4:15:00 PM	0	7	179	0	0	0	50	72	0	8	1	49	0	0	0	0	366	1,556	0	0	0	0
4:30:00 PM	0	5	221	0	0	0	39	102	0	8	1	38	0	0	0	0	414	1,659	0	0	0	0
4:45:00 PM	0	2	216	0	0	0	30	69	0	7	0	41	0	0	0	0	365	1,719	0	0	0	0
5:00:00 PM	0	5	238	0	0	0	36	95	0	7	1	29	0	0	0	0	411	1,792	0	0	0	0
5:15:00 PM	0	9	284	0	0	0	27	86	0	10	1	52	0	0	0	0	469		0	0	0	0
5:30:00 PM	0	9	287	0	0	0	39	77	0	8	0	54	0	0	0	0	474		0	0	0	0
5:45:00 PM	0	6	247	0	0	0	44	77	0	10	0	54	0	0	0	0	438		0	0	0	0
Count Total	0	47	1,856	0	0	0	335	668	0	65	4	365	0	0	0	0	3,340		0	0	0	0
Peak Hour	0	29	1,056	0	0	0	146	335	0	35	2	189	0	0	0	0	1,792		0	0	0	0



Location: 19 C470 SB RAMPS & ALAMEDA PKWY PM

Date and Start Time: Tuesday, May 17, 2016

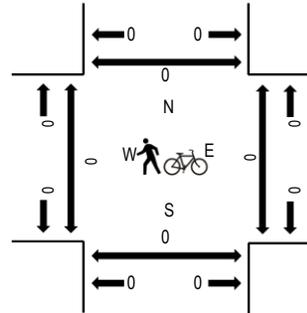
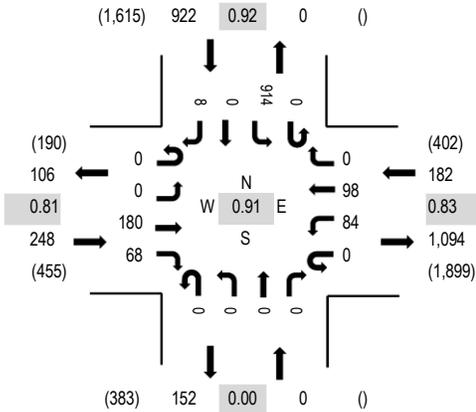
Peak Hour: 05:00 PM - 06:00 PM

Peak 15-Minutes: 05:30 PM - 05:45 PM

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Peak Hour - All Vehicles

Peak Hour - Pedestrians/Bicycles in Crosswalk



Note: Total study counts contained in parentheses.

Traffic Counts

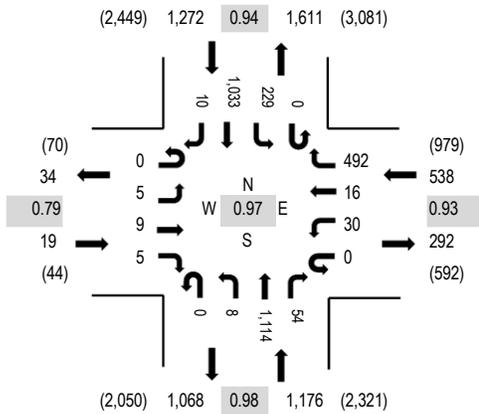
Interval Start Time	ALAMEDA PKWY Eastbound				ALAMEDA PKWY Westbound				C470 SB RAMPS Northbound			C470 SB RAMPS Southbound			Total	Rolling Hour	Pedestrian Crossings					
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left			Thru	Right	West	East	South	North
4:00:00 PM	0	0	28	21	0	52	23	0	0	0	0	0	0	159	0	0	283	1,120	0	0	0	0
4:15:00 PM	0	0	23	21	0	31	27	0	0	0	0	0	0	163	0	4	269	1,159	0	0	2	0
4:30:00 PM	0	0	34	32	0	32	16	0	0	0	0	0	0	182	0	3	299	1,235	0	0	0	0
4:45:00 PM	0	0	35	13	0	29	10	0	0	0	0	0	0	181	0	1	269	1,307	0	0	0	0
5:00:00 PM	0	0	43	28	0	24	20	0	0	0	0	0	0	204	0	3	322	1,352	0	0	0	0
5:15:00 PM	0	0	42	14	0	20	19	0	0	0	0	0	0	249	0	1	345		0	0	0	0
5:30:00 PM	0	0	58	19	0	17	27	0	0	0	0	0	0	248	0	2	371		0	0	0	0
5:45:00 PM	0	0	37	7	0	23	32	0	0	0	0	0	0	213	0	2	314		0	0	0	0
Count Total	0	0	300	155	0	228	174	0	0	0	0	0	0	1,599	0	16	2,472		0	0	2	0
Peak Hour	0	0	180	68	0	84	98	0	0	0	0	0	0	914	0	8	1,352		0	0	0	0



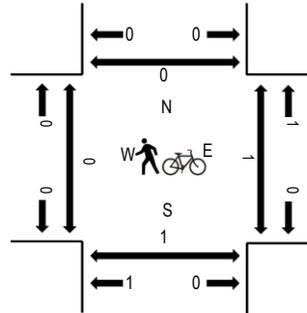
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Location: 40 CO 93 & WASHINGTON AVE PM
Date and Start Time: Tuesday, May 17, 2016
Peak Hour: 04:30 PM - 05:30 PM
Peak 15-Minutes: 05:00 PM - 05:15 PM

Peak Hour - All Vehicles



Peak Hour - Pedestrians/Bicycles in Crosswalk



Note: Total study counts contained in parentheses.

Traffic Counts

Interval Start Time	WASHINGTON AVE Eastbound			WASHINGTON AVE Westbound			CO 93 Northbound			CO 93 Southbound			Total	Rolling Hour	Pedestrian Crossings							
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right			West	East	South	North				
4:00:00 PM	0	3	2	3	0	8	3	85	0	1	274	10	0	71	249	4	713	2,904	0	0	0	0
4:15:00 PM	0	1	1	0	0	9	4	90	0	1	276	16	0	54	228	2	682	2,964	0	0	0	0
4:30:00 PM	0	1	2	1	0	13	5	107	0	3	277	10	0	63	273	2	757	3,005	0	0	0	0
4:45:00 PM	0	2	2	0	0	3	3	137	0	0	275	21	0	59	248	2	752	2,956	0	0	0	0
5:00:00 PM	0	1	2	3	0	8	4	133	0	4	285	12	0	52	266	3	773	2,889	0	0	1	0
5:15:00 PM	0	1	3	1	0	6	4	115	0	1	277	11	0	55	246	3	723		0	1	0	0
5:30:00 PM	0	3	5	2	0	15	7	92	0	3	287	11	0	47	232	4	708		0	2	0	0
5:45:00 PM	0	2	0	3	0	10	5	113	0	0	244	22	0	61	223	2	685		0	0	0	0
Count Total	0	14	17	13	0	72	35	872	0	13	2,195	113	0	462	1,965	22	5,793		0	3	1	0
Peak Hour	0	5	9	5	0	30	16	492	0	8	1,114	54	0	229	1,033	10	3,005					

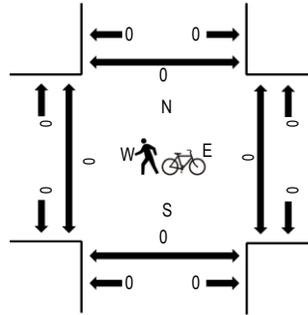
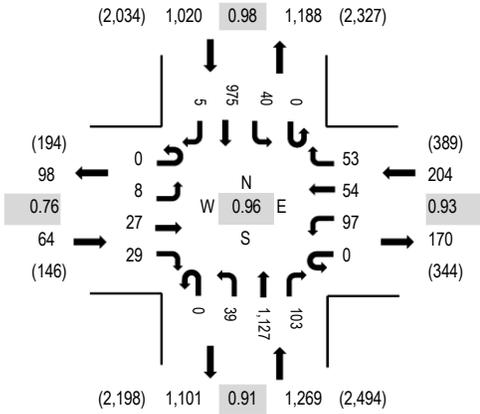


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Location: 41 CO 93 & IOWA DR PM
Date and Start Time: Tuesday, May 17, 2016
Peak Hour: 04:00 PM - 05:00 PM
Peak 15-Minutes: 04:15 PM - 04:30 PM

Peak Hour - All Vehicles

Peak Hour - Pedestrians/Bicycles in Crosswalk



Note: Total study counts contained in parentheses.

Traffic Counts

Interval Start Time	IOWA DR Eastbound				IOWA DR Westbound				CO 93 Northbound				CO 93 Southbound				Total	Rolling Hour	Pedestrian Crossings			
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right			West	East	South	North
4:00:00 PM	0	2	7	12	0	27	10	11	0	8	266	22	0	5	255	1	626	2,557	0	0	0	0
4:15:00 PM	0	2	8	5	0	26	13	16	0	8	312	29	0	8	238	1	666	2,555	0	0	0	0
4:30:00 PM	0	0	6	4	0	21	16	17	0	10	279	24	0	19	233	2	631	2,545	0	0	0	0
4:45:00 PM	0	4	6	8	0	23	15	9	0	13	270	28	0	8	249	1	634	2,536	0	0	0	0
5:00:00 PM	0	2	5	10	0	15	10	15	0	4	282	29	0	3	245	4	624	2,506	0	0	0	0
5:15:00 PM	0	3	6	11	0	16	17	15	0	7	280	26	0	9	264	2	656		0	0	0	1
5:30:00 PM	0	4	11	12	0	21	18	17	0	9	248	28	0	4	250	0	622		0	0	0	0
5:45:00 PM	0	2	7	9	0	22	9	10	0	12	261	39	0	7	222	4	604		0	0	1	0
Count Total	0	19	56	71	0	171	108	110	0	71	2,198	225	0	63	1,956	15	5,063		0	0	1	1
Peak Hour	0	8	27	29	0	97	54	53	0	39	1,127	103	0	40	975	5	2,557		0	0	0	0



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Location: 42 CO 93 & GOLDEN GATE CANYON RD PM

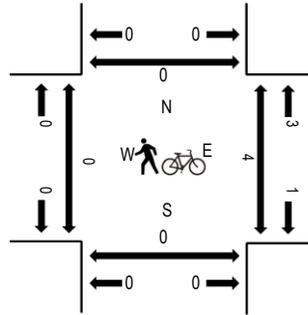
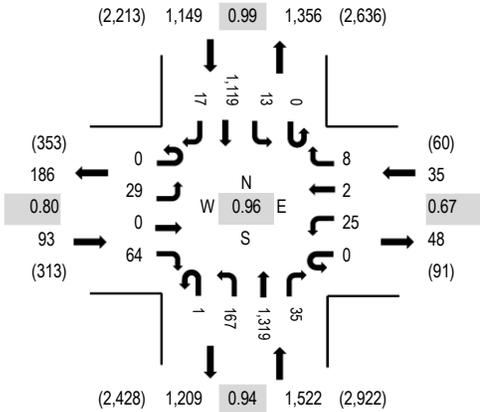
Date and Start Time: Tuesday, May 17, 2016

Peak Hour: 05:00 PM - 06:00 PM

Peak 15-Minutes: 05:15 PM - 05:30 PM

Peak Hour - All Vehicles

Peak Hour - Pedestrians/Bicycles in Crosswalk



Note: Total study counts contained in parentheses.

Traffic Counts

Interval Start Time	GOLDEN GATE CANYON RD Eastbound				GOLDEN GATE CANYON RD Westbound				CO 93 Northbound			CO 93 Southbound				Total	Rolling Hour	Pedestrian Crossings				
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru			Right	West	East	South	North
4:00:00 PM	0	25	0	47	0	5	0	5	0	32	251	7	0	6	278	3	659	2,709	0	0	0	0
4:15:00 PM	0	9	0	33	0	5	0	2	0	38	311	6	0	3	257	2	666	2,728	0	0	0	0
4:30:00 PM	0	19	0	57	0	5	0	0	0	44	320	8	0	3	244	5	705	2,794	0	0	0	0
4:45:00 PM	0	6	0	24	0	2	0	1	1	41	331	10	0	0	261	2	679	2,791	0	0	0	0
5:00:00 PM	0	11	0	15	0	10	1	2	0	38	302	9	0	4	282	4	678	2,799	0	0	0	0
5:15:00 PM	0	8	0	21	0	6	1	1	0	53	343	10	0	1	283	5	732		0	0	0	0
5:30:00 PM	0	9	0	14	0	8	0	2	1	40	338	9	0	7	271	3	702		0	3	0	0
5:45:00 PM	0	1	0	14	0	1	0	3	0	36	336	7	0	1	283	5	687		0	1	0	0
Count Total	0	88	0	225	0	42	2	16	2	322	2,532	66	0	25	2,159	29	5,508		0	4	0	0
Peak Hour	0	29	0	64	0	25	2	8	1	167	1,319	35	0	13	1,119	17	2,799		0	0	0	1

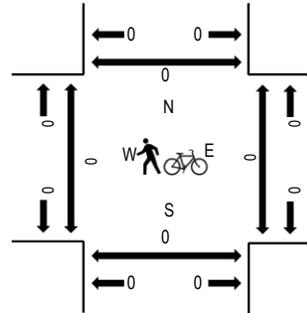
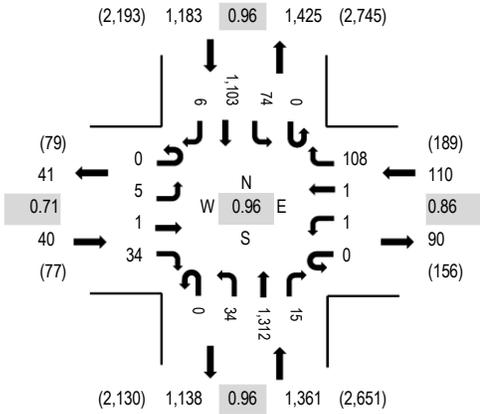


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Location: 43 CO 93 & PINE RIDGE RD PM
Date and Start Time: Tuesday, May 17, 2016
Peak Hour: 05:00 PM - 06:00 PM
Peak 15-Minutes: 05:30 PM - 05:45 PM

Peak Hour - All Vehicles

Peak Hour - Pedestrians/Bicycles in Crosswalk



Note: Total study counts contained in parentheses.

Traffic Counts

Interval Start Time	PINE RIDGE RD Eastbound				PINE RIDGE RD Westbound				CO 93 Northbound				CO 93 Southbound				Total	Rolling Hour	Pedestrian Crossings			
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right			West	East	South	North
4:00:00 PM	0	3	0	9	0	0	0	16	0	5	294	4	0	16	231	2	580	2,416	0	0	0	0
4:15:00 PM	0	2	0	6	0	1	1	14	0	15	289	2	0	12	248	1	591	2,503	0	0	0	0
4:30:00 PM	0	1	1	9	0	1	0	25	0	8	343	6	0	11	233	0	638	2,593	0	0	0	0
4:45:00 PM	0	1	0	5	0	3	0	18	0	5	314	5	0	9	246	1	607	2,653	0	0	0	0
5:00:00 PM	0	1	0	9	0	1	0	27	0	8	325	5	0	14	275	2	667	2,694	0	0	0	0
5:15:00 PM	0	2	1	8	0	0	0	32	0	11	331	3	0	20	272	1	681		0	0	0	0
5:30:00 PM	0	0	0	5	0	0	0	29	0	6	345	5	0	22	285	1	698		0	0	0	0
5:45:00 PM	0	2	0	12	0	0	1	20	0	9	311	2	0	18	271	2	648		0	0	0	0
Count Total	0	12	2	63	0	6	2	181	0	67	2,552	32	0	122	2,061	10	5,110		0	0	0	0
Peak Hour	0	5	1	34	0	1	1	108	0	34	1,312	15	0	74	1,103	6	2,694		0	1	0	0

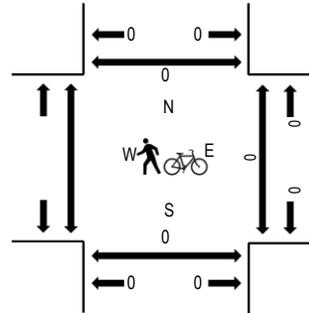
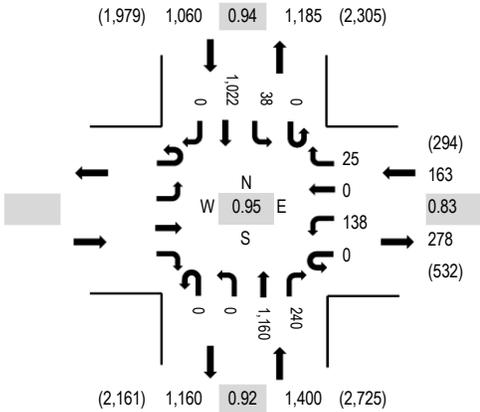


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Location: 46 CO 93 & W 58TH AVE PM
Date and Start Time: Tuesday, May 17, 2016
Peak Hour: 05:00 PM - 06:00 PM
Peak 15-Minutes: 05:30 PM - 05:45 PM

Peak Hour - All Vehicles

Peak Hour - Pedestrians/Bicycles in Crosswalk



Note: Total study counts contained in parentheses.

Traffic Counts

Interval Start Time	W 58TH AVE				CO 93				CO 93				Total	Rolling Hour	Pedestrian Crossings						
	Eastbound		Westbound		Northbound		Southbound		U-Turn	Left	Thru	Right			West	East	South	North			
4:00:00 PM					0	33	0	4					0	0					239	56	0
4:15:00 PM					0	27	0	5	0	0	277	50	0	2	213	0	574	2,430	0	0	0
4:30:00 PM					0	23	0	6	0	0	282	63	0	7	221	0	602	2,534	0	0	0
4:45:00 PM					0	25	0	8	0	0	299	59	0	8	238	0	637	2,619	0	0	0
5:00:00 PM					0	33	0	6	0	0	265	57	0	8	248	0	617	2,623	0	0	0
5:15:00 PM					0	24	0	6	0	0	295	71	0	11	271	0	678		0	0	0
5:30:00 PM					0	36	0	9	0	0	321	59	0	9	253	0	687		0	0	0
5:45:00 PM					0	45	0	4	0	0	279	53	0	10	250	0	641		0	0	0
Count Total					0	246	0	48	0	0	2,257	468	0	64	1,915	0	4,998		0	0	0
Peak Hour					0	138	0	25	0	0	1,160	240	0	38	1,022	0	2,623		0	0	0

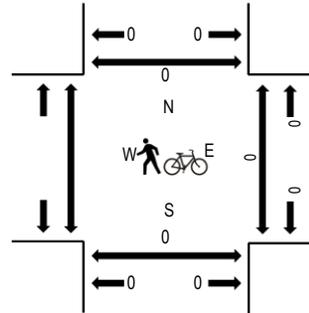
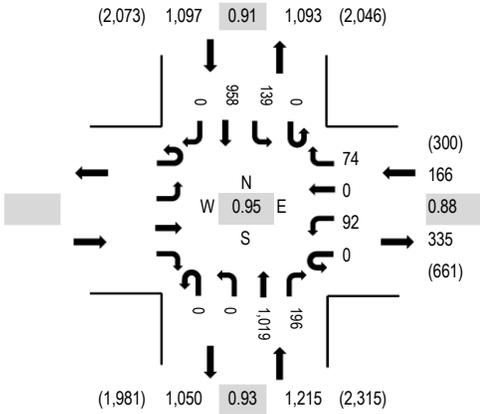


(303) 216-2439
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Location: 50 CO 93 & W 64TH PKWY PM
Date and Start Time: Tuesday, May 17, 2016
Peak Hour: 04:45 PM - 05:45 PM
Peak 15-Minutes: 05:15 PM - 05:30 PM

Peak Hour - All Vehicles

Peak Hour - Pedestrians/Bicycles in Crosswalk



Note: Total study counts contained in parentheses.

Traffic Counts

Interval Start Time	W 64TH PKWY				CO 93				Total	Rolling Hour	Pedestrian Crossings										
	Eastbound		Westbound		Northbound		Southbound				West	East	South	North							
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right									
4:00:00 PM					0	15	0	15	0	0	209	50	0	25	213	0	527	2,250	0	0	0
4:15:00 PM					0	16	0	18	0	0	216	57	0	21	225	0	553	2,330	0	0	0
4:30:00 PM					0	19	0	16	0	0	238	58	0	41	194	0	566	2,430	0	0	0
4:45:00 PM					0	23	0	24	0	0	251	39	0	35	232	0	604	2,478	0	0	0
5:00:00 PM					0	24	0	16	0	0	247	46	0	40	234	0	607	2,438	0	0	0
5:15:00 PM					0	25	0	22	0	0	253	52	0	38	263	0	653		0	0	0
5:30:00 PM					0	20	0	12	0	0	268	59	0	26	229	0	614		0	0	0
5:45:00 PM					0	22	0	13	0	0	228	44	0	30	227	0	564		0	0	0
Count Total					0	164	0	136	0	0	1,910	405	0	256	1,817	0	4,688		0	0	0
Peak Hour					0	92	0	74	0	0	1,019	196	0	139	958	0	2,478		0	0	0

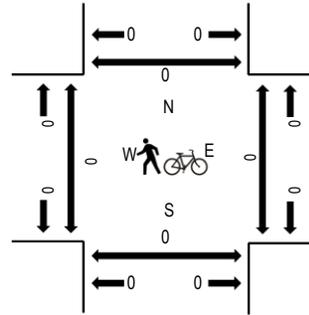
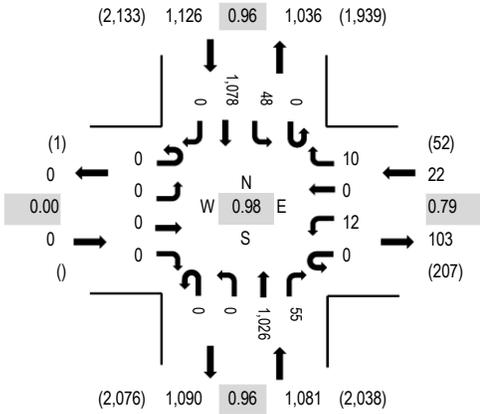


(303) 216-2439
www.alltrafficdata.net

Location: 53 CO 93 & W 82ND AVE PM
Date and Start Time: Tuesday, May 17, 2016
Peak Hour: 04:45 PM - 05:45 PM
Peak 15-Minutes: 04:45 PM - 05:00 PM

Peak Hour - All Vehicles

Peak Hour - Pedestrians/Bicycles in Crosswalk



Note: Total study counts contained in parentheses.

Traffic Counts

Interval Start Time	W 82ND AVE Eastbound				W 82ND AVE Westbound				CO 93 Northbound				CO 93 Southbound				Total	Rolling Hour	Pedestrian Crossings			
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right			West	East	South	North
4:00:00 PM	0	0	0	0	0	5	0	3	0	1	197	20	0	7	232	0	465	2,021	0	0	0	0
4:15:00 PM	0	0	0	0	0	3	0	1	0	0	222	10	0	6	248	0	490	2,108	0	0	0	0
4:30:00 PM	0	0	0	0	0	5	0	4	0	0	232	15	0	10	231	0	497	2,184	0	0	0	0
4:45:00 PM	0	0	0	0	0	2	0	4	0	0	264	17	0	16	266	0	569	2,229	0	0	0	0
5:00:00 PM	0	0	0	0	0	1	0	3	0	0	248	12	0	12	276	0	552	2,202	0	0	0	0
5:15:00 PM	0	0	0	0	0	5	0	2	0	0	254	12	0	10	283	0	566		0	0	0	0
5:30:00 PM	0	0	0	0	0	4	0	1	0	0	260	14	0	10	253	0	542		0	0	0	0
5:45:00 PM	0	0	0	0	0	5	0	4	0	0	240	20	0	16	257	0	542		0	0	0	0
Count Total	0	0	0	0	0	30	0	22	0	1	1,917	120	0	87	2,046	0	4,223		0	0	0	0
Peak Hour	0	0	0	0	0	12	0	10	0	0	1,026	55	0	48	1,078	0	2,229		1	0	0	0

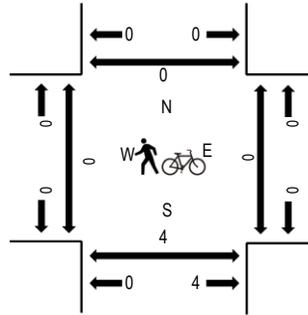
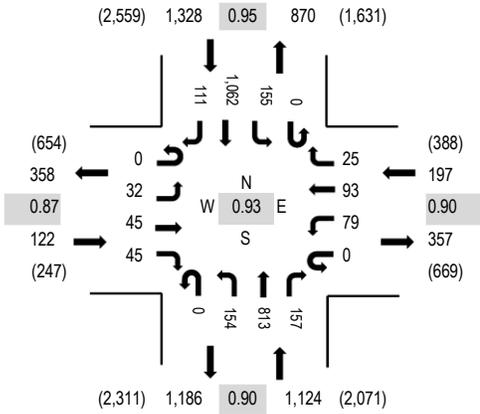


Location: 55 CO 93 & CO 72 PM
 Date and Start Time: Tuesday, May 17, 2016
 Peak Hour: 05:00 PM - 06:00 PM
 Peak 15-Minutes: 05:00 PM - 05:15 PM

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Peak Hour - All Vehicles

Peak Hour - Pedestrians/Bicycles in Crosswalk



Note: Total study counts contained in parentheses.

Traffic Counts

Interval Start Time	CO 72 Eastbound				CO 72 Westbound				CO 93 Northbound			CO 93 Southbound			Total	Rolling Hour	Pedestrian Crossings					
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left			Thru	Right	West	East	South	North
4:00:00 PM	0	9	6	18	0	13	21	6	0	18	165	32	0	21	233	23	565	2,494	0	0	0	0
4:15:00 PM	0	8	8	11	0	22	22	6	0	29	155	38	0	32	248	22	601	2,671	0	0	0	0
4:30:00 PM	0	6	8	8	0	20	22	17	0	34	196	41	0	34	274	22	682	2,755	0	0	0	0
4:45:00 PM	0	14	15	14	0	16	20	6	0	23	173	43	0	34	248	40	646	2,719	0	0	0	0
5:00:00 PM	0	9	12	12	0	21	15	10	0	44	216	52	0	37	274	40	742	2,771	0	0	2	0
5:15:00 PM	0	8	9	8	0	19	30	5	0	39	201	42	0	39	266	19	685		0	0	0	0
5:30:00 PM	0	9	17	9	0	20	28	7	0	38	177	32	0	41	240	28	646		0	0	2	0
5:45:00 PM	0	6	7	16	0	19	20	3	0	33	219	31	0	38	282	24	698		0	0	0	0
Count Total	0	69	82	96	0	150	178	60	0	258	1,502	311	0	276	2,065	218	5,265		0	0	4	0
Peak Hour	0	32	45	45	0	79	93	25	0	154	813	157	0	155	1,062	111	2,771		0	0	0	0

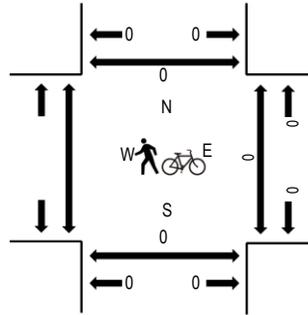
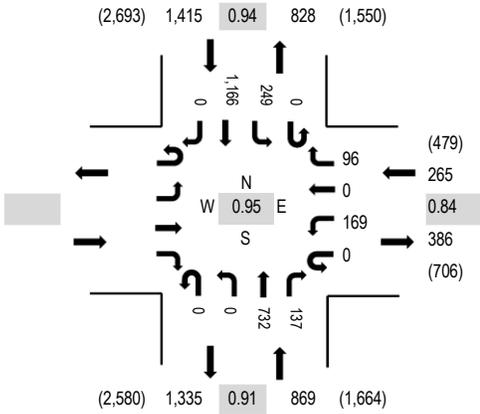


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Location: 61 CO 93 & CO 128 PM
Date and Start Time: Tuesday, May 17, 2016
Peak Hour: 04:45 PM - 05:45 PM
Peak 15-Minutes: 05:15 PM - 05:30 PM

Peak Hour - All Vehicles

Peak Hour - Pedestrians/Bicycles in Crosswalk



Note: Total study counts contained in parentheses.

Traffic Counts

Interval Start Time	Eastbound			CO 128 Westbound			CO 93 Northbound			CO 93 Southbound			Total	Rolling Hour	Pedestrian Crossings			
	U-Turn	Left	Thru Right	U-Turn	Left	Thru Right	U-Turn	Left	Thru Right	U-Turn	Left	Thru Right			West	East	South	North
4:00:00 PM				0	38	0 20	0	0	147 37	0	40	242	0	524	2,318	0	1	0
4:15:00 PM				0	38	0 20	0	0	153 35	0	36	272	0	554	2,404	0	0	0
4:30:00 PM				2	41	0 10	0	0	162 37	0	49	281	0	582	2,523	0	0	0
4:45:00 PM				0	34	0 15	0	0	195 37	0	60	317	0	658	2,549	0	0	0
5:00:00 PM				0	40	0 25	0	0	173 33	0	61	278	0	610	2,518	0	0	0
5:15:00 PM				0	54	0 25	0	0	203 37	0	65	289	0	673		0	0	0
5:30:00 PM				0	41	0 31	0	0	161 30	0	63	282	0	608		0	0	0
5:45:00 PM				0	29	0 16	0	0	194 30	0	54	304	0	627		0	0	0
Count Total				2	315	0 162	0	0	1,388 276	0	428	2,265	0	4,836		0	1	0
Peak Hour				0	169	0 96	0	0	732 137	0	249	1,166	0	2,549		0	0	0



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Location: 65 CO 93 & ELDORADO SPRINGS DR PM

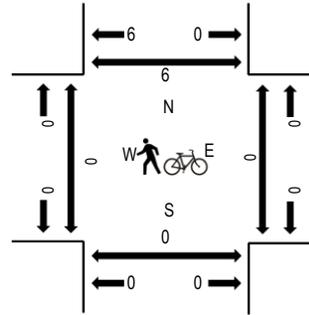
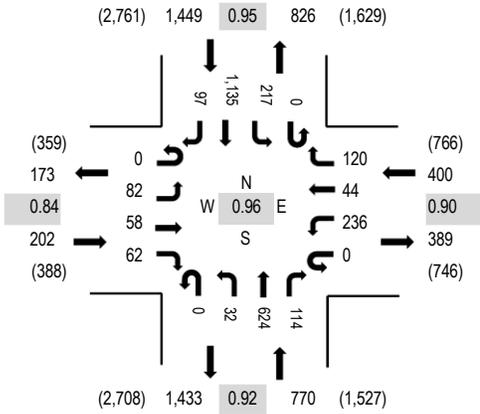
Date and Start Time: Tuesday, May 17, 2016

Peak Hour: 04:30 PM - 05:30 PM

Peak 15-Minutes: 05:15 PM - 05:30 PM

Peak Hour - All Vehicles

Peak Hour - Pedestrians/Bicycles in Crosswalk



Note: Total study counts contained in parentheses.

Traffic Counts

Interval Start Time	ELDORADO SPRINGS DR Eastbound				ELDORADO SPRINGS DR Westbound				CO 93 Northbound				CO 93 Southbound				Total	Rolling Hour	Pedestrian Crossings			
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right			West	East	South	North
4:00:00 PM	0	28	11	18	0	37	12	30	0	6	147	27	0	50	230	24	620	2,682	0	0	0	0
4:15:00 PM	0	14	18	16	0	45	15	24	0	8	134	24	0	52	279	28	657	2,742	0	0	0	0
4:30:00 PM	0	26	13	12	0	50	8	43	0	12	148	35	0	56	273	26	702	2,821	0	0	0	1
4:45:00 PM	0	15	15	16	0	59	18	25	0	9	140	25	0	52	305	24	703	2,816	0	0	0	0
5:00:00 PM	0	13	15	17	0	53	8	25	0	3	168	20	0	54	280	24	680	2,760	0	0	0	0
5:15:00 PM	0	28	15	17	0	74	10	27	0	8	168	34	0	55	277	23	736		0	0	0	0
5:30:00 PM	0	13	8	14	0	58	14	27	0	6	166	29	0	54	284	24	697		0	2	0	0
5:45:00 PM	0	14	14	18	0	50	14	40	0	14	166	30	0	40	226	21	647		0	1	0	0
Count Total	0	151	109	128	0	426	99	241	0	66	1,237	224	0	413	2,154	194	5,442		0	3	0	1
Peak Hour	0	82	58	62	0	236	44	120	0	32	624	114	0	217	1,135	97	2,821		0	0	0	0



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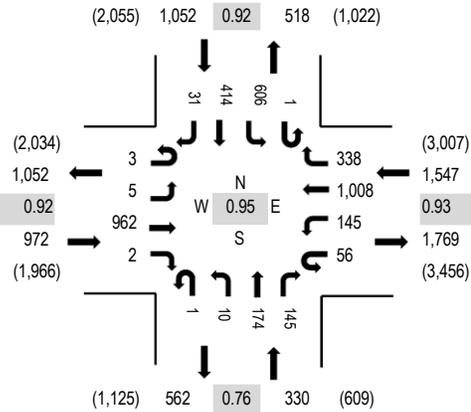
Location: 66 NB C470 OFF RAMP & 6TH AVE PM

Date and Start Time: Tuesday, May 17, 2016

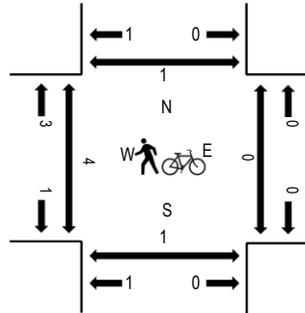
Peak Hour: 04:45 PM - 05:45 PM

Peak 15-Minutes: 05:00 PM - 05:15 PM

Peak Hour - All Vehicles



Peak Hour - Pedestrians/Bicycles in Crosswalk



Note: Total study counts contained in parentheses.

Traffic Counts

Interval Start Time	6TH AVE Eastbound				6TH AVE Westbound				NB C470 OFF RAMP Northbound				NB C470 OFF RAMP Southbound				Total	Rolling Hour	Pedestrian Crossings			
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right			West	East	South	North
4:00:00 PM	0	4	259	1	6	41	222	101	1	2	33	31	0	127	108	10	946	3,778	0	0	0	0
4:15:00 PM	0	4	234	3	11	44	237	89	0	2	39	31	3	157	95	16	965	3,859	0	0	0	0
4:30:00 PM	0	1	232	1	6	36	222	74	1	1	39	26	1	184	129	13	966	3,878	0	0	1	0
4:45:00 PM	0	1	232	1	18	34	238	81	0	0	36	22	0	132	97	9	901	3,901	2	0	0	0
5:00:00 PM	1	0	263	1	19	40	271	84	0	2	29	32	0	161	119	5	1,027	3,859	0	0	0	1
5:15:00 PM	0	1	221	0	13	35	248	99	0	5	52	43	1	159	96	11	984		0	0	1	0
5:30:00 PM	2	3	246	0	6	36	251	74	1	3	57	48	0	154	102	6	989		2	0	0	0
5:45:00 PM	0	6	248	1	16	32	252	71	2	3	39	29	0	90	68	2	859		0	0	0	0
Count Total	3	20	1,935	8	95	298	1,941	673	5	18	324	262	5	1,164	814	72	7,637		4	0	2	1
Peak Hour	3	5	962	2	56	145	1,008	338	1	10	174	145	1	606	414	31	3,901		1	0	3	0



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Location: 68 C470 RAMPS & MORRISON RD PM

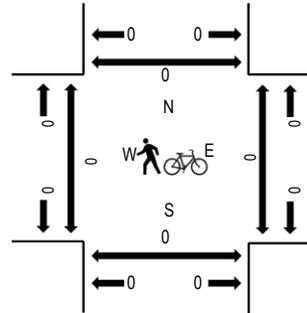
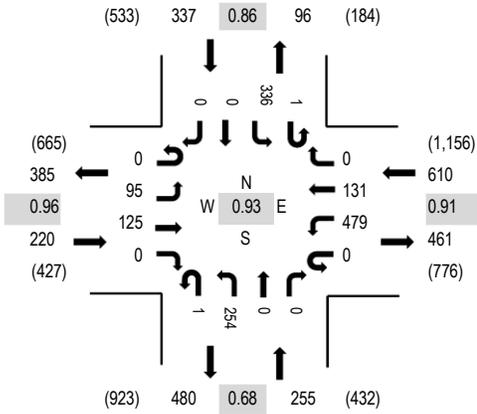
Date and Start Time: Tuesday, May 17, 2016

Peak Hour: 05:00 PM - 06:00 PM

Peak 15-Minutes: 05:45 PM - 06:00 PM

Peak Hour - All Vehicles

Peak Hour - Pedestrians/Bicycles in Crosswalk



Note: Total study counts contained in parentheses.

Traffic Counts

Interval Start Time	MORRISON RD Eastbound			MORRISON RD Westbound			C470 RAMPS Northbound			C470 RAMPS Southbound			Total	Rolling Hour	Pedestrian Crossings							
	U-Turn	Left	Thru Right			West	East	South	North													
4:00:00 PM	0	16	31	0	0	86	16	0	0	41	0	0	0	36	0	0	226	1,126	0	0	0	0
4:15:00 PM	0	21	30	0	0	122	23	0	3	39	0	0	0	48	0	0	286	1,239	0	0	0	0
4:30:00 PM	0	23	31	0	0	112	40	0	0	44	0	0	1	47	0	0	298	1,316	0	0	0	0
4:45:00 PM	0	26	29	0	0	120	27	0	0	50	0	0	1	63	0	0	316	1,354	0	0	0	0
5:00:00 PM	0	28	27	0	0	123	35	0	0	50	0	0	0	76	0	0	339	1,422	0	0	0	0
5:15:00 PM	0	20	32	0	0	143	25	0	1	55	0	0	0	87	0	0	363		0	0	0	0
5:30:00 PM	0	23	33	0	0	111	38	0	0	55	0	0	1	75	0	0	336		0	0	0	0
5:45:00 PM	0	24	33	0	0	102	33	0	0	94	0	0	0	98	0	0	384		0	0	0	0
Count Total	0	181	246	0	0	919	237	0	4	428	0	0	3	530	0	0	2,548		0	0	0	0
Peak Hour	0	95	125	0	0	479	131	0	1	254	0	0	1	336	0	0	1,422		0	0	0	0

C-470 Volume - February

Time	Weekday			Friday		
	EB	WB		EB	WB	
12:00 AM	177	97	274	235	106	341
1:00 AM	113	61	174	134	71	205
2:00 AM	86	64	150	104	76	180
3:00 AM	88	128	216	111	133	244
4:00 AM	162	372	534	152	339	491
5:00 AM	561	1415	1977	582	1356	1938
6:00 AM	1602	3646	5249	1578	3699	5277
7:00 AM	2561	4254	6815	2532	4398	6930
8:00 AM	2280	3978	6258	2256	4069	6325
9:00 AM	1738	2833	4571	1779	2979	4758
10:00 AM	1603	2165	3769	1653	2279	3932
11:00 AM	1713	2070	3783	1937	2307	4244
12:00 PM	1828	1978	3806	2103	2301	4404
1:00 PM	2005	1981	3986	2447	2369	4816
2:00 PM	2774	2285	5059	3299	2951	6250
3:00 PM	3837	2837	6674	4113	3637	7750
4:00 PM	3937	3178	7115	3669	3905	7574
5:00 PM	3478	3098	6576	3550	3602	7152
6:00 PM	2863	2142	5005	2875	2912	5787
7:00 PM	1591	1140	2730	1609	1775	3384
8:00 PM	1276	818	2095	1354	1090	2444
9:00 PM	1002	643	1645	1273	841	2114
10:00 PM	627	365	992	871	630	1501
11:00 PM	384	190	574	581	338	919
TOTAL	38286	41741		40797	48163	

C-470 Volume - April

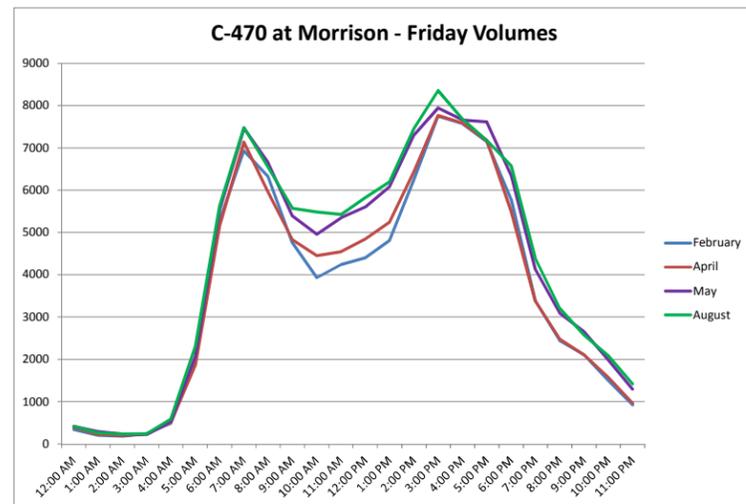
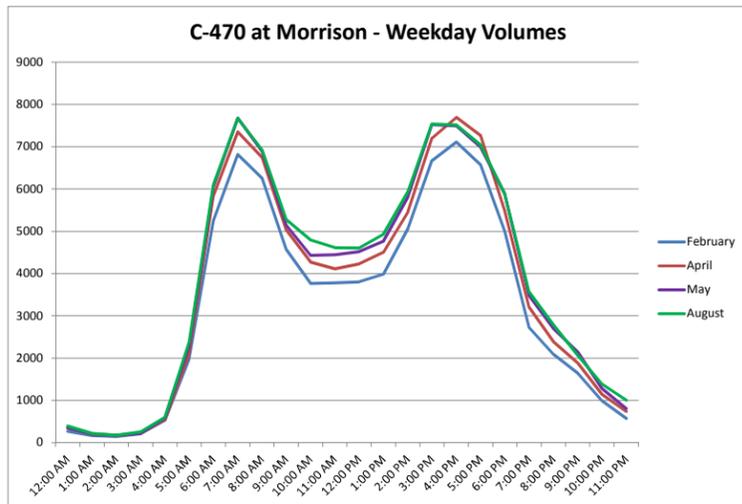
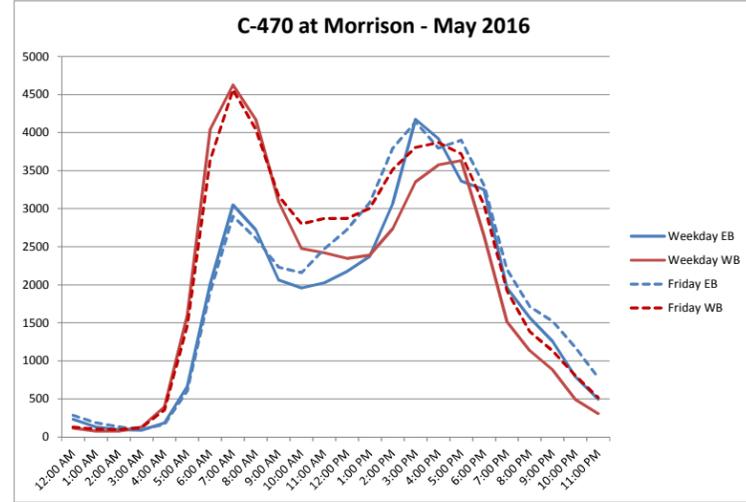
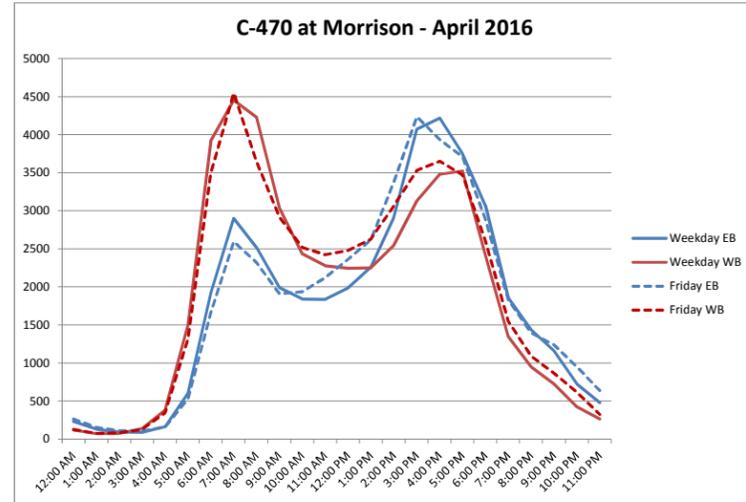
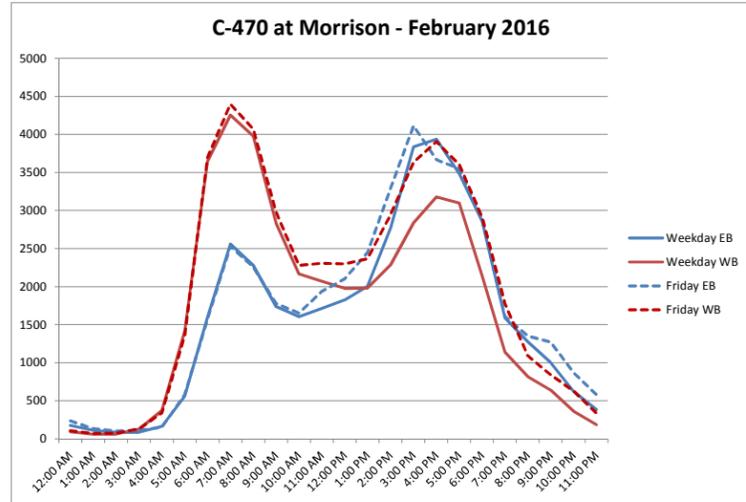
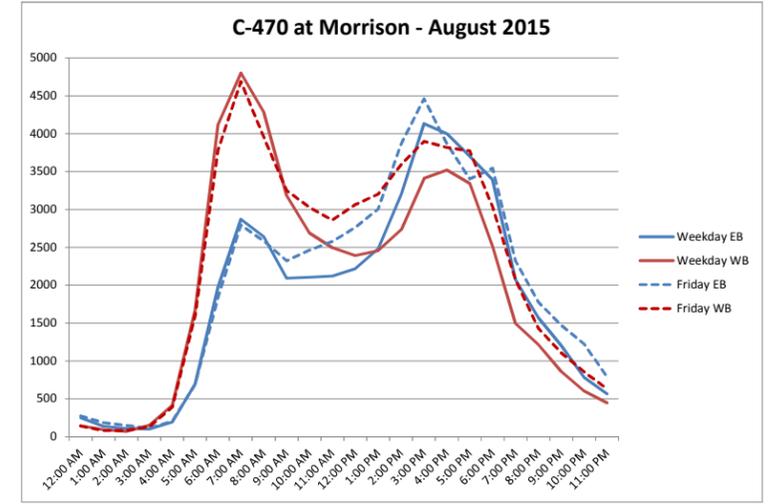
Time	Weekday			Friday		
	EB	WB		EB	WB	
12:00 AM	231	122	353	265	128	393
1:00 AM	130	72	202	155	75	230
2:00 AM	95	74	169	113	83	196
3:00 AM	90	140	230	107	129	236
4:00 AM	164	383	548	158	349	508
5:00 AM	605	1498	2103	534	1321	1854
6:00 AM	1920	3922	5841	1665	3499	5165
7:00 AM	2900	4452	7353	2597	4547	7144
8:00 AM	2514	4231	6745	2320	3642	5963
9:00 AM	1988	3042	5030	1910	2918	4828
10:00 AM	1840	2435	4275	1937	2518	4455
11:00 AM	1837	2279	4116	2122	2423	4545
12:00 PM	1987	2245	4232	2364	2478	4842
1:00 PM	2257	2251	4508	2618	2628	5246
2:00 PM	2910	2544	5454	3374	3064	6438
3:00 PM	4074	3130	7205	4237	3532	7770
4:00 PM	4217	3478	7695	3938	3653	7591
5:00 PM	3746	3521	7267	3706	3472	7178
6:00 PM	3068	2418	5486	2890	2604	5494
7:00 PM	1859	1347	3206	1830	1549	3379
8:00 PM	1435	952	2387	1395	1089	2483
9:00 PM	1157	725	1882	1241	867	2108
10:00 PM	723	426	1149	952	619	1571
11:00 PM	482	262	744	637	324	961
TOTAL	42231	45950		43064	47513	

C-470 Volume - May

Time	Weekday			Friday		
	EB	WB		EB	WB	
12:00 AM	234	118	352	283	130	413
1:00 AM	133	78	211	186	103	290
2:00 AM	99	79	178	134	98	232
3:00 AM	91	134	225	98	125	223
4:00 AM	185	395	580	168	359	527
5:00 AM	664	1602	2266	605	1461	2066
6:00 AM	2011	4040	6051	1907	3637	5544
7:00 AM	3050	4626	7676	2902	4565	7468
8:00 AM	2720	4171	6892	2614	4043	6658
9:00 AM	2062	3089	5151	2231	3165	5396
10:00 AM	1958	2478	4435	2160	2799	4960
11:00 AM	2026	2421	4447	2473	2875	5348
12:00 PM	2177	2346	4522	2727	2873	5600
1:00 PM	2374	2392	4766	3080	3005	6085
2:00 PM	3067	2738	5805	3794	3515	7308
3:00 PM	4175	3354	7529	4141	3806	7947
4:00 PM	3921	3575	7496	3795	3868	7663
5:00 PM	3363	3631	6994	3900	3720	7619
6:00 PM	3252	2640	5892	3305	3048	6354
7:00 PM	1961	1519	3479	2205	1926	4131
8:00 PM	1570	1133	2704	1712	1383	3095
9:00 PM	1257	884	2141	1522	1130	2652
10:00 PM	791	495	1286	1176	807	1982
11:00 PM	498	307	804	777	518	1295
TOTAL	43636	48246		47895	52960	

C-470 Volume - August

Time	Weekday			Friday		
	EB	WB		EB	WB	
12:00 AM	250	144	395	274	141	414
1:00 AM	135	90	225	184	80	264
2:00 AM	109	69	179	150	85	235
3:00 AM	102	153	255	112	131	243
4:00 AM	192	414	606	203	390	593
5:00 AM	698	1674	2371	694	1598	2292
6:00 AM	1976	4126	6102	1844	3787	5630
7:00 AM	2872	4802	7674	2795	4688	7483
8:00 AM	2642	4285	6927	2583	3957	6540
9:00 AM	2094	3185	5278	2321	3250	5571
10:00 AM	2103	2689	4793	2461	3027	5488
11:00 AM	2120	2497	4617	2574	2857	5431
12:00 PM	2218	2389	4607	2761	3064	5825
1:00 PM	2480	2454	4934	3004	3200	6204
2:00 PM	3199	2732	5931	3868	3591	7458
3:00 PM	4134	3409	7543	4461	3899	8359
4:00 PM	3999	3518	7517	3865	3818	7682
5:00 PM	3699	3344	7043	3402	3774	7175
6:00 PM	3389	2505	5894	3543	3033	6576
7:00 PM	2075	1495	3570	2321	2071	4392
8:00 PM	1572	1217	2789	1779	1431	3209
9:00 PM	1205	861	2066	1473	1107	2579
10:00 PM	787	603	1390	1226	858	2084
11:00 PM	568	445	1013	790	633	1423
TOTAL	44618	49102		48682	54462	



NB CO 93 Volume - February

Time	Weekday			Friday		
	NB	SB		NB	SB	
12:00 AM	66	47	113	84	77	161
1:00 AM	33	24	57	48	42	90
2:00 AM	20	14	33	26	28	54
3:00 AM	12	10	23	24	19	43
4:00 AM	13	12	25	18	18	37
5:00 AM	32	48	80	34	49	83
6:00 AM	185	188	373	192	191	383
7:00 AM	539	592	1131	576	711	1287
8:00 AM	907	1108	2015	936	1256	2192
9:00 AM	896	980	1875	884	1155	2039
10:00 AM	599	685	1284	606	845	1451
11:00 AM	532	550	1082	619	682	1301
12:00 PM	530	540	1070	657	745	1402
1:00 PM	570	532	1102	691	732	1423
2:00 PM	582	551	1132	712	810	1522
3:00 PM	707	663	1369	934	1003	1937
4:00 PM	984	824	1808	1212	1253	2465
5:00 PM	1247	967	2214	1408	1273	2681
6:00 PM	1325	1014	2339	1426	1237	2663
7:00 PM	804	721	1525	920	1047	1967
8:00 PM	420	342	762	552	628	1180
9:00 PM	323	229	552	367	416	783
10:00 PM	243	188	431	337	275	612
11:00 PM	135	106	241	242	179	421
TOTAL	11703	10933		13507	14672	

NB CO 93 Volume - April

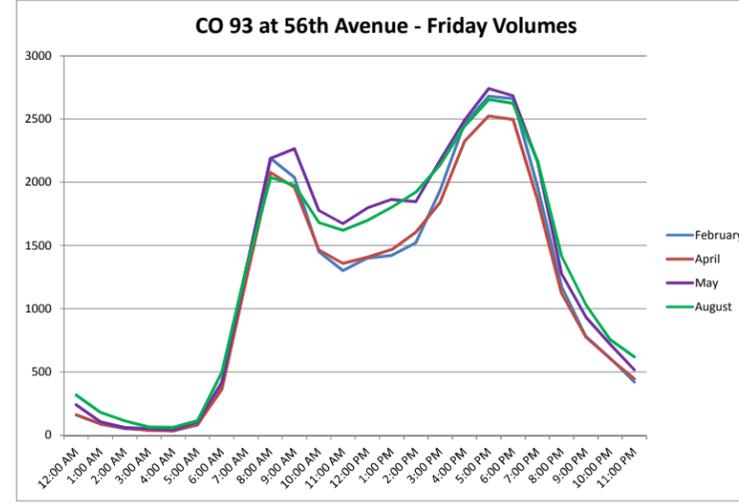
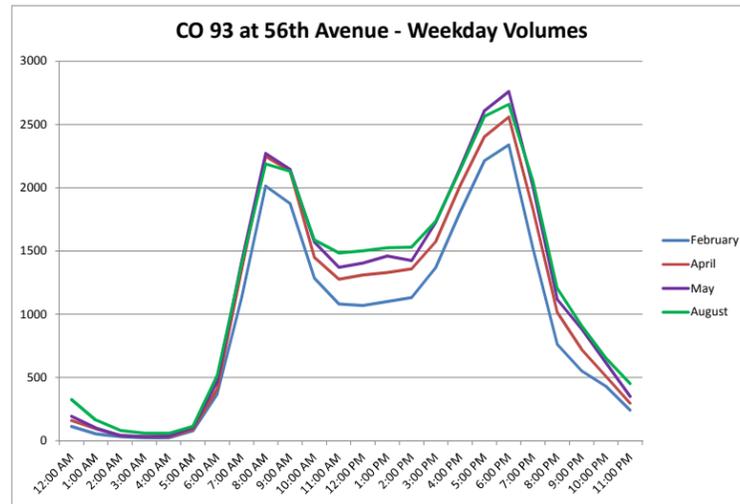
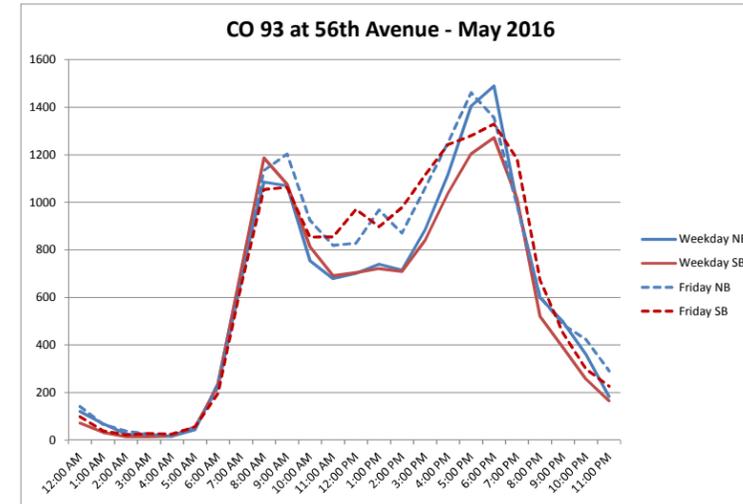
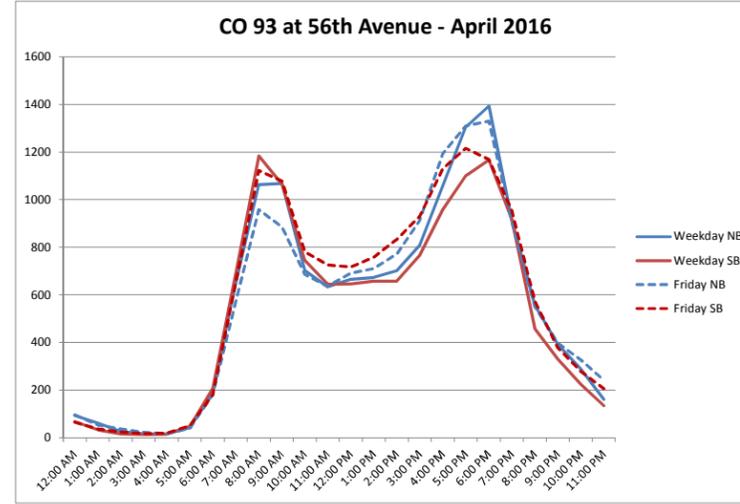
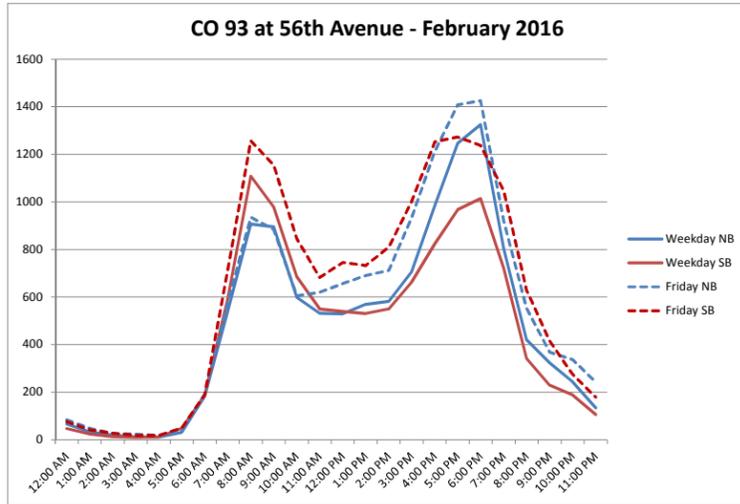
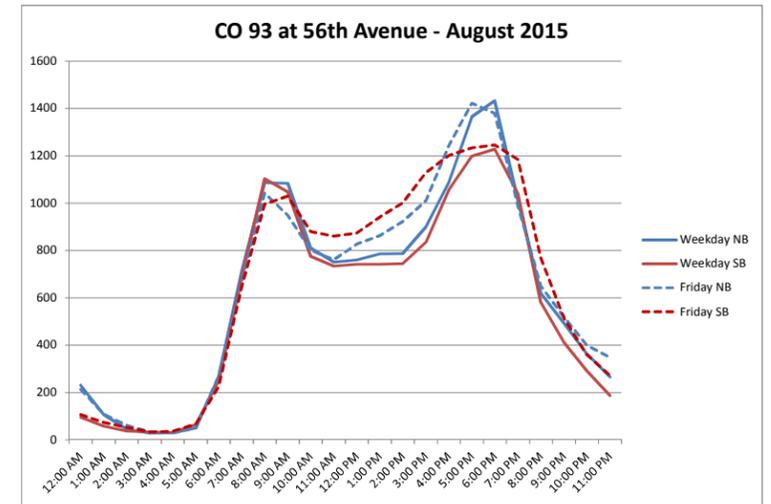
Time	Weekday			Friday		
	NB	SB		NB	SB	
12:00 AM	93	67	160	96	65	161
1:00 AM	62	32	94	54	37	90
2:00 AM	27	16	43	36	24	61
3:00 AM	17	13	30	22	17	39
4:00 AM	15	15	30	18	19	37
5:00 AM	42	49	90	39	51	91
6:00 AM	199	208	407	182	180	362
7:00 AM	656	695	1351	575	655	1230
8:00 AM	1064	1184	2248	958	1123	2081
9:00 AM	1068	1065	2133	885	1077	1962
10:00 AM	703	745	1448	686	782	1468
11:00 AM	633	645	1278	636	725	1361
12:00 PM	666	646	1312	691	717	1408
1:00 PM	673	658	1331	711	758	1469
2:00 PM	702	658	1360	772	834	1606
3:00 PM	808	765	1574	914	930	1843
4:00 PM	1058	959	2017	1195	1130	2325
5:00 PM	1305	1101	2406	1310	1216	2525
6:00 PM	1394	1167	2561	1330	1168	2498
7:00 PM	915	919	1833	907	955	1862
8:00 PM	555	458	1013	550	574	1124
9:00 PM	392	331	723	397	379	776
10:00 PM	289	224	513	327	278	606
11:00 PM	162	135	296	241	206	447
TOTAL	13498	12754		13532	13899	

NB CO 93 Volume - May

Time	Weekday			Friday		
	NB	SB		NB	SB	
12:00 AM	121	71	192	143	99	242
1:00 AM	69	33	102	67	40	107
2:00 AM	25	15	40	38	22	60
3:00 AM	19	15	33	26	28	54
4:00 AM	18	18	36	17	26	43
5:00 AM	44	56	100	52	56	108
6:00 AM	240	228	469	222	197	419
7:00 AM	704	713	1417	665	649	1314
8:00 AM	1085	1187	2272	1134	1054	2188
9:00 AM	1070	1076	2146	1203	1063	2266
10:00 AM	756	814	1569	924	854	1778
11:00 AM	679	693	1372	819	856	1675
12:00 PM	701	706	1407	828	971	1799
1:00 PM	740	721	1461	968	898	1866
2:00 PM	715	711	1426	870	978	1849
3:00 PM	885	841	1726	1060	1115	2176
4:00 PM	1116	1040	2155	1251	1243	2494
5:00 PM	1405	1205	2610	1461	1281	2742
6:00 PM	1489	1273	2762	1356	1329	2685
7:00 PM	996	1013	2009	985	1183	2169
8:00 PM	598	521	1119	604	674	1278
9:00 PM	496	389	885	486	450	935
10:00 PM	361	257	617	424	299	723
11:00 PM	184	166	350	291	227	518
TOTAL	14515	13760		15895	15592	

NB CO 93 Volume - August

Time	Weekday			Friday		
	NB	SB		NB	SB	
12:00 AM	231	95	326	213	107	320
1:00 AM	107	58	164	108	73	181
2:00 AM	45	38	82	61	53	114
3:00 AM	28	32	61	34	33	67
4:00 AM	29	31	59	28	35	64
5:00 AM	50	64	114	51	66	117
6:00 AM	268	249	517	270	224	495
7:00 AM	712	686	1398	671	647	1318
8:00 AM	1086	1103	2189	1043	995	2038
9:00 AM	1084	1047	2131	948	1029	1977
10:00 AM	810	775	1586	801	880	1681
11:00 AM	750	734	1484	761	861	1622
12:00 PM	759	742	1501	827	873	1700
1:00 PM	785	742	1527	863	941	1804
2:00 PM	787	744	1531	922	1001	1923
3:00 PM	899	834	1733	1010	1129	2139
4:00 PM	1086	1056	2141	1242	1202	2444
5:00 PM	1366	1199	2564	1422	1233	2656
6:00 PM	1432	1228	2661	1380	1246	2625
7:00 PM	1014	1041	2055	989	1184	2174
8:00 PM	620	582	1202	650	770	1419
9:00 PM	494	413	907	520	514	1034
10:00 PM	363	292	656	400	360	760
11:00 PM	266	187	452	348	272	621
TOTAL	15072	13971		15561	15730	





WestConnect Coalition PEL

CORRIDOR CONDITIONS REPORT

APPENDIX C: SAFETY ASSESSMENT REPORT

WESTCONNECT COALITION PEL SAFETY ASSESSMENT REPORT

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FHU Reference No. 116019-01

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Introduction

In conjunction with the WestConnect Coalition Planning and Environmental Linkages (PEL) project, an opportunity exists for the detection of safety problems and the implementation of selected improvements at locations where it is justified by crash experience. The crash history for the five-year period from January 1, 2010 through December 31, 2014 was examined throughout the WestConnect corridor to locate crash clusters and identify collision causes. The corridor was divided into seven segments for analysis. In general, segments along C-470 were found to be performing well in terms of crash frequency and severity compared to other similar facilities, while segments along United States Highway 6 (US 6) and State Highway (SH) 93 were found to be performing less well than comparable facilities and exhibit a higher potential for crash reduction. Significant crash types for each of the seven segments within the corridor are noted.

The scope of this report is as follows:

- Assess the magnitude and nature of the safety problems within the project limits;
- Relate crash causality to roadway geometrics, roadside features, traffic control devices, traffic operations, driver behavior, and vehicle type;
- Suggest cost-effective counter measures to address identified problems; and
- Provide guidance on how to maximize cash reduction within the scope of the project.

Site Location and Conditions

This assessment addresses seven segments along C-470, US 6, and SH 93 within the study limits. The following seven segments (listed from south to north along the study corridor) were analyzed:

1. C-470 from Kipling Parkway to Morrison Road (SH 8) – Milepost (MP) 0.00 to MP 4.25
2. C-470 from Morrison Road (SH 8) to Interstate 70 (I-70) – MP 4.25 to MP 12.45
3. C-470 from I-70 to US 6 – MP 0.00 to MP 1.21
4. US 6 from Johnson Road to SH 58/SH 93 – MP 271.67 to MP 274.65
5. SH 93 from US 6/SH 58 to SH 72 – MP 0.00 to MP 7.57
6. SH 93 from SH 72 to SH 128 – MP 7.57 to MP 11.78
7. SH 93 from SH 128 to SH 170 – MP 11.78 to MP 13.63

Existing roadway characteristics, including such aspects as typical cross sections, right-of-way widths, access categories, etc., for each of these highway segments are described in detail in the “Corridor Conditions” chapter of the Existing Conditions Report.

Crash Summary

The crash history for the five-year period from January 1, 2010 through December 31, 2014 was examined to locate crash clusters and identify collision causes. **Table 1** summarizes the non-intersection related (mainline) crash data along each of the seven study segments. Within the study period, a total of 1,680 crashes were reported along mainline C-470, US 6 and SH 93 within the study area. Of these, there were 363 injury collisions and 12 fatal collisions; 514 people injured and 14 people killed overall.

Table 1. Non-Intersection Related (Mainline) Crashes by Study Segment

Location	Crashes			
	PDO	Injury	Fatal	TOTAL
C-470 – Kipling Pkwy to Morrison Rd	384	92	1	477
C-470 – Morrison Rd to I-70	354	93	1	448
C-470 – I-70 to US 6	28	4	0	32
US 6 – Johnson Rd to SH 58/SH 93	153	39	2	194
SH 93 – US 6/SH 58 to SH 72	245	74	3	322
SH 93 – SH 72 to SH 128	102	44	4	150
SH 93 – SH 128 to SH 170	39	17	1	57
Non-Intersection Crash Total	1,305	363	12	1,680

Table 2 summarizes the number of crashes that occurred at intersections along US 6 and SH 93 within the study area. Only intersections with 10 or more total crashes are detailed in the table. Of note, almost 80 percent of crashes that occurred at intersections involved property damage only. No fatal collisions occurred within the study period at the intersections that were examined.

Table 2. Intersection Related Crashes

Location	Crashes			
	PDO	Injury	Fatal	TOTAL
US 6/Johnson Rd	60	15	0	75
US 6/Jefferson County Pkwy	62	14	0	76
US 6/19 th St	49	12	0	61
US 6/SH 58/SH 93	54	10	0	64
SH 93/Iowa Dr	30	7	0	37
SH 93/Washington Ave	34	12	0	46
SH 93/Golden Gate Canyon Dr	15	3	0	18
SH 93/Pine Ridge Rd	9	2	0	11
SH 93/W 58 th Ave	11	6	0	17
SH 93/W 64 th Ave	13	3	0	16
SH 93/SH 72	21	3	0	24
SH 93/SH 128	8	3	0	11
SH 93/SH 170	12	7	0	19
Intersection Subtotal	378	97	0	475
Other intersections (≤ 9 crashes each)	0	2	0	2
Total Intersection Crashes	378	99	0	477

Crashes that occurred at ramp terminal intersections at interchanges along C-470 are summarized in **Table 3**.

Table 3. Interchange Ramp Terminal Intersection Related Crashes

Location	Crashes			
	PDO	Injury	Fatal	TOTAL
Kipling Pkwy Eastbound C-470 Ramp Terminal	6	2	0	8
Kipling Pkwy Westbound C-470 Ramp Terminal	6	4	0	10
Ken Caryl Ave Eastbound C-470 Ramp Terminal	12	2	0	14
Ken Caryl Ave Westbound C-470 Ramp Terminal	16	7	0	23
Bowles Ave Eastbound C-470 Ramp Terminal	6	4	0	10
Bowles Ave Westbound C-470 Ramp Terminal	4	2	0	6
Quincy Ave Eastbound C-470 Ramp Terminal	8	1	0	9
Quincy Ave Westbound C-470 Ramp Terminal	6	4	0	10
Alameda Pkwy Eastbound C-470 Ramp Terminal	4	2	0	6
Alameda Pkwy Westbound C-470 Ramp Terminal	4	1	0	5
Total Ramp Terminal Crashes	72	29	0	101

Table 4 summarizes the number of crashes that occurred along interchange on- and off-ramps within the study area. Detailed summaries of the interchange ramp related crashes are contained in **Appendix A**. Prevalent crash types on the interchange ramps include rear end and sideswipe same direction crashes, which are not uncommon when trying to complete merge/diverge maneuvers in congested conditions or when queuing back from a ramp terminal traffic signal extends far onto the off-ramp.

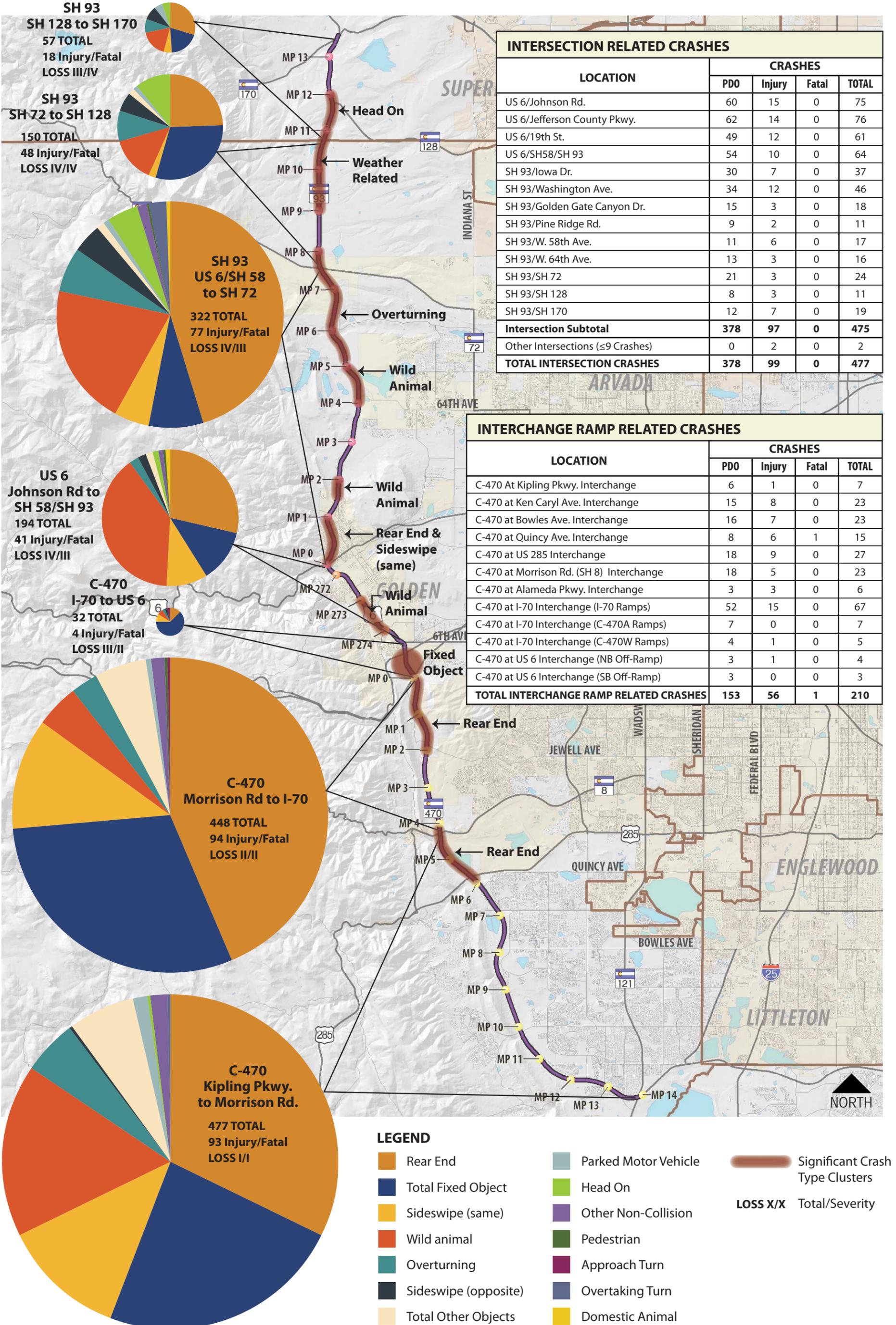
Table 4. Interchange Ramp Related Crashes

Location	Crashes			
	PDO	Injury	Fatal	TOTAL
C-470 at Kipling Pkwy Interchange	6	1	0	7
C-470 at Ken Caryl Ave Interchange	15	8	0	23
C-470 at Bowles Ave Interchange	16	7	0	23
C-470 at Quincy Ave Interchange	8	6	1	15
C-470 at US 285 Interchange	18	9	0	27
C-470 at Morrison Rd (SH 8) Interchange	18	5	0	23
C-470 at Alameda Parkway Interchange	3	3	0	6
C-470 at I-70 Interchange (I-70 Ramps)	52	15	0	67
C-470 at I-70 Interchange (C-470A Ramps)	7	0	0	7
C-470 at I-70 Interchange (C-470W Ramps)	4	1	0	5
C-470 at US 6 Interchange (NB Off-Ramp)	3	1	0	4
C-470 at US 6 Interchange (SB On-Ramp)	3	0	0	3
Interchange Ramp Related Crash Total	153	56	1	210

The fatal crash that occurred at the C-470/Quincy Avenue interchange involved an intoxicated motorcyclist traveling on the eastbound off-ramp. The motorcyclist ran off the road to the left, hit a fixed object and suffered an incapacitating injury when thrown from the motorcycle.

Figure 1 summarizes the crash history within the study area for the period evaluated. Prevalent crash types and patterns that were noted within each study segment are displayed on the figure. These crash patterns are discussed in more detail in subsequent sections of this report.

Figure 1. 2010 - 2014 Crash History



Crash Type Distributions

The non-intersection crash type distributions for each of the seven study segments are illustrated and discussed in the following section. Detailed summaries of the non-intersection related crash history are contained in the **Appendix A**. The most prevalent crash types along each segment are noted along with specific information about the types of fixed objects struck and the weather and road conditions present when crashes occurred.

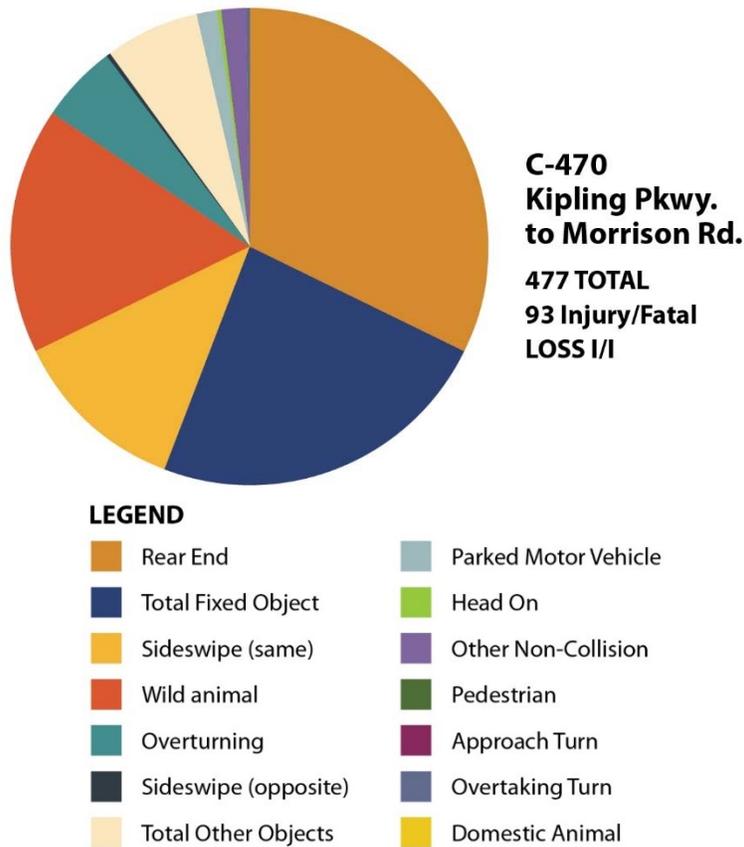
C-470 from Kipling Parkway to Morrison Road (SH 8)

Figure 2 displays the non-intersection crash type distribution for this study segment. Along this segment, rear end, fixed object and sideswipe (same) crashes are most prevalent, accounting for nearly 85 percent of all crashes. Concrete barrier or guardrail were the two objects that were struck in approximately 75 percent of the fixed object crashes.

Approximately 12 percent of all mainline crashes occurred during adverse weather conditions, with about 18 percent occurring during adverse road conditions (wet, icy, snowy, etc.). About 4 percent of all mainline crashes occurred during windy conditions.

With respect to the human factors contributing to the crashes, about 15 percent cited driver distraction/preoccupation as a reason for the crash. Alcohol or drugs were suspected in 5 percent of crashes.

Figure 2. C-470 from Kipling Parkway to Morrison Road (SH 8) Non-Intersection Crash Type Distribution



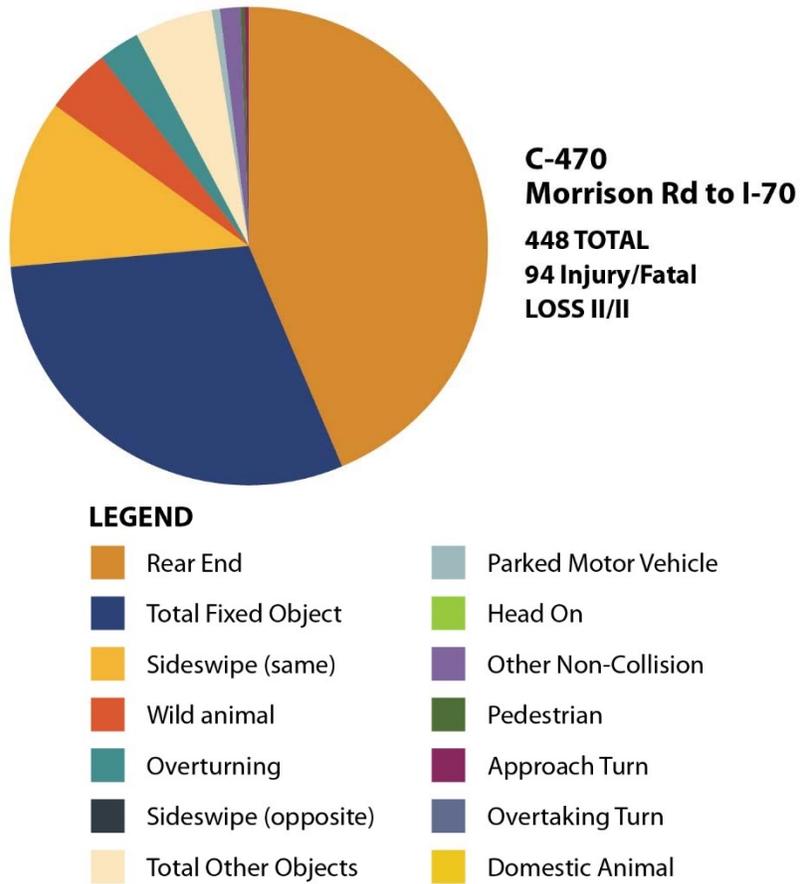
C-470 from Morrison Road (SH 8) to I-70

Figure 3 displays the non-intersection crash type distribution for this study segment. Along this segment, rear end, fixed object, wild animal and sideswipe (same) crashes are most prevalent, accounting for nearly 85 percent of all mainline crashes. Concrete barrier, guard rail, or cable rail were the three objects struck in approximately 70 percent of all fixed object crashes.

Approximately 12 percent of all mainline crashes occurred during adverse weather conditions, with nearly 30 percent occurring as a result of adverse road conditions (wet, icy, snowy, muddy, etc.). About 1 percent of all mainline crashes occurred during windy conditions.

With respect to the human factors contributing to the crashes, 16 percent cited driver distraction/preoccupation as a reason for the crash. Alcohol or drugs were suspected in approximately 4 percent of crashes.

Figure 3. C-470 from Morrison Road (SH 8) to I-70 Non-Intersection Crash Type Distribution



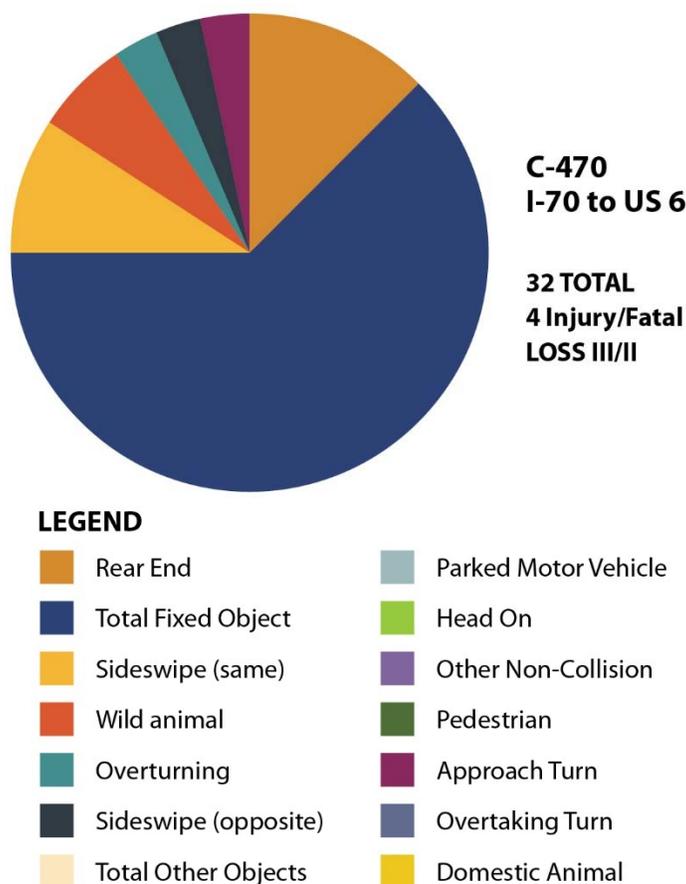
C-470 from I-70 to US 6

Figure 4 displays the non-intersection crash type distribution for this study segment. Along this segment, fixed object crashes were most prevalent, accounting for nearly 63 percent of all mainline crashes. Concrete barrier or guard rail were the two objects that were struck in approximately 85 percent of all fixed object crashes.

Approximately 50 percent of all mainline crashes occurred during adverse weather conditions, with nearly 67 percent occurring as a result of adverse road conditions (wet, icy, or snowy). No mainline crashes occurred during windy conditions.

With respect to the human factors contributing to the crashes, 19 percent cited driver distraction/preoccupation as a reason for the crash. Alcohol or drugs were not suspected in any of the crashes.

Figure 4. C-470 from I-70 to US 6 Crash Type Distribution



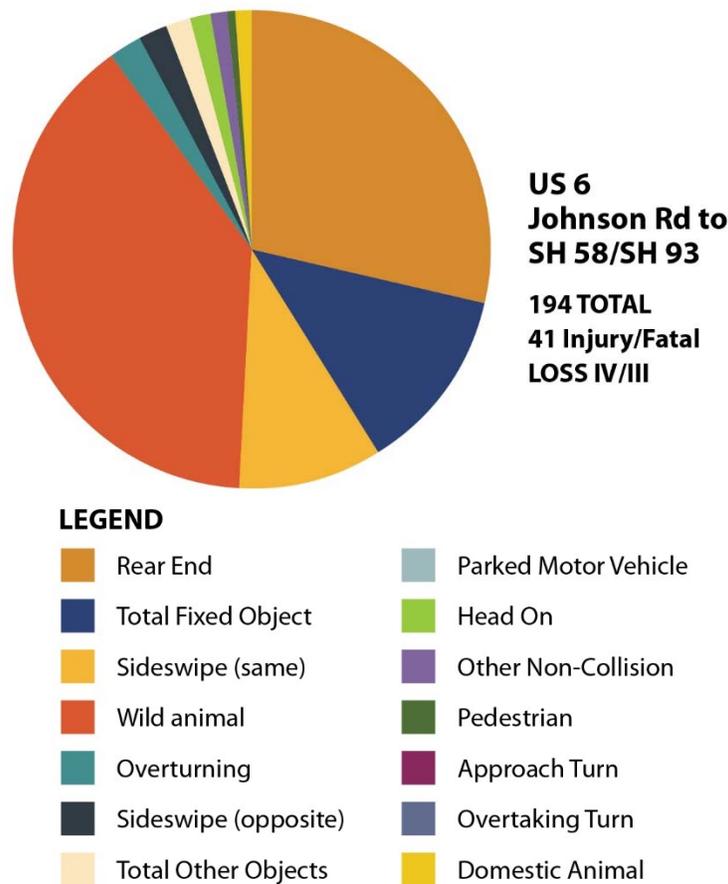
US 6 from Johnson Road to SH 58/SH 93

Figure 5 displays the non-intersection crash type distribution for this study segment. Along this segment, wild animal and rear end crashes accounted for nearly 70 percent of all mainline crashes.

Approximately 12 percent of all mainline crashes occurred during adverse weather conditions, with nearly 20 percent occurring as a result of adverse road conditions (wet, icy, snowy, muddy, etc.). Less than 1 percent of all mainline crashes occurred during windy conditions.

With respect to the human factors contributing to the crashes, 13 percent cited driver distraction/preoccupation as a reason for the crash. Alcohol or drugs were suspected in approximately 6 percent of crashes.

Figure 5. US 6 from Johnson Road to SH 58/SH 93 Non-Intersection Crash Type Distribution



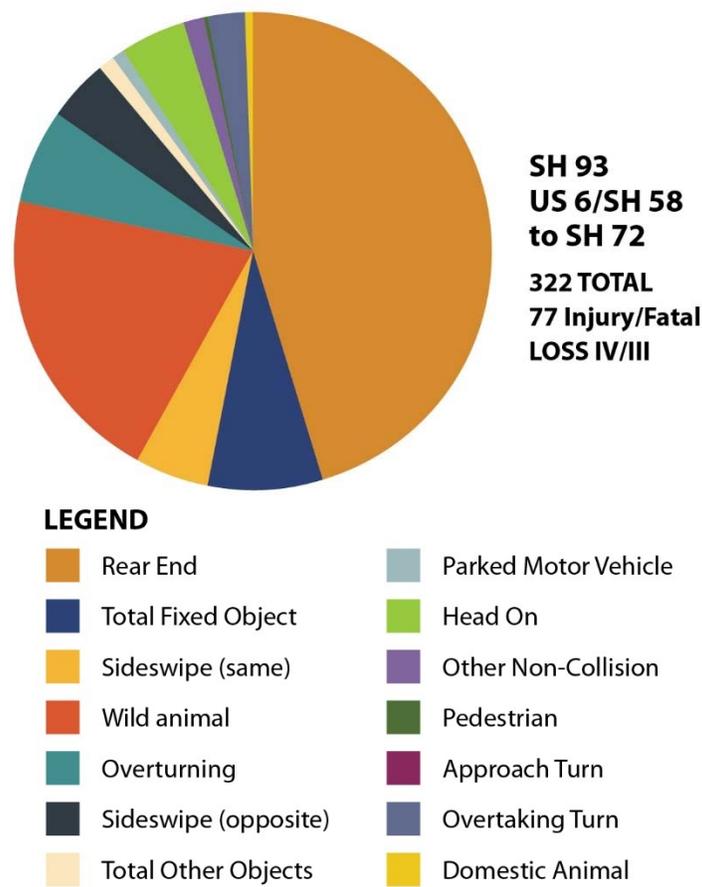
SH 93 from US 6/SH 58 to SH 72

Figure 6 displays the non-intersection crash type distribution for this study segment. Along this segment, rear end and wild animal crashes accounted for approximately 65 percent of all mainline crashes.

Approximately 15 percent of all mainline crashes occurred during adverse weather and road conditions, with approximately 3.5 percent occurring during windy conditions.

With respect to the human factors contributing to the crashes, 15 percent cited driver distraction/preoccupation as a reason for the crash. Alcohol or drugs were suspected in approximately 3 percent of crashes.

Figure 6. SH 93 from US 6/SH 58 to SH 72 Non-Intersection Crash Type Distribution



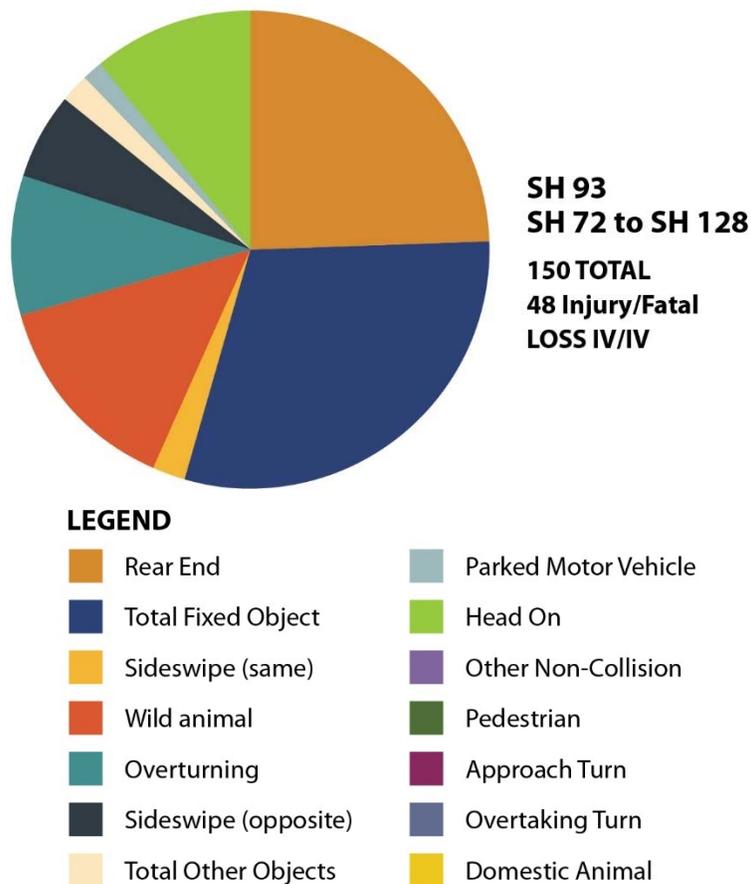
SH 93 from SH 72 to SH 128

Figure 7 displays the non-intersection crash type distribution for this study segment. Along this segment, fixed object, rear end and wild animal crashes were most prevalent, accounting for almost 70 percent of all mainline crashes. Fence or embankment were the two objects that were struck in approximately 55 percent of all fixed object crashes.

Approximately 30 percent of all mainline crashes occurred during snow/sleet/hail weather conditions, roughly 40 percent in adverse road conditions (wet, icy or snowy pavement), and almost 10 percent occurred during windy conditions.

With respect to the human factors contributing to the crashes, approximately 20 percent cited driver distraction/preoccupation as a reason for the crash. Alcohol or drugs were suspected in approximately 5 percent of crashes.

Figure 7. SH 93 from SH 72 to SH 128 Non-Intersection Crash Type Distribution



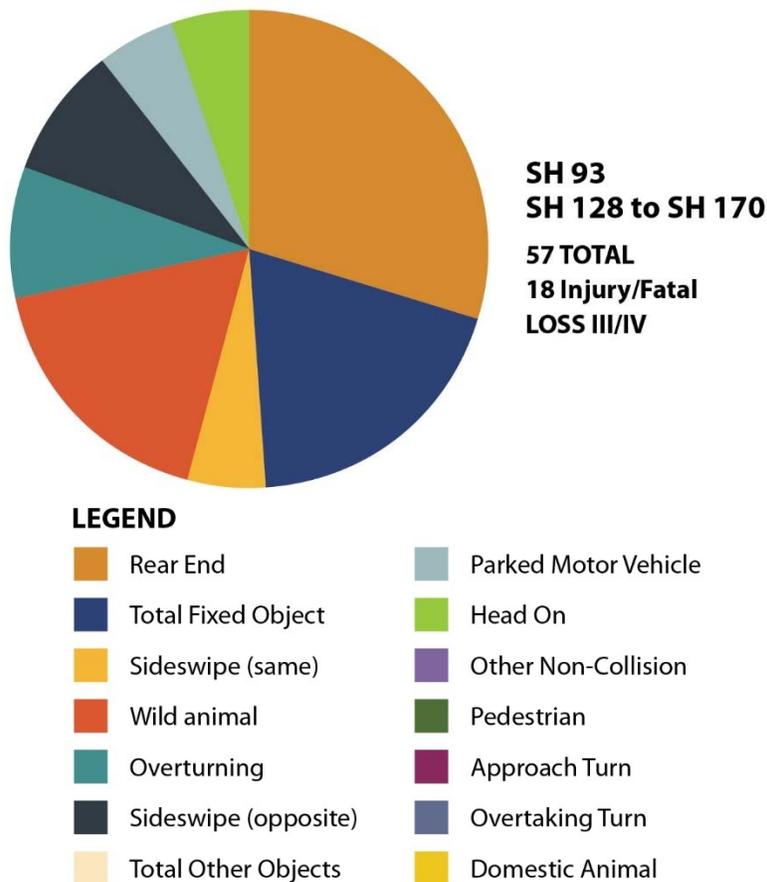
SH 93 from SH 128 to SH 170

Figure 8 displays the non-intersection crash type distribution for this study segment. Along this segment, rear end, fixed object, and wild animal crashes were most prevalent, accounting for almost 67 percent of all mainline crashes. A variety of objects, including signs, fences, and delineator posts were struck in the fixed object crashes.

Approximately 25 percent of all mainline crashes occurred in adverse weather conditions (rain, snow or fog), roughly 12 percent in windy conditions, and approximately 35 percent in adverse road conditions (wet, icy or snowy pavement).

With respect to the human factors contributing to the crashes, approximately 18 percent cited driver distraction/preoccupation as a reason for the crash. Alcohol or drugs were suspected in approximately 11 percent of crashes.

Figure 8. SH 93 from SH 128 to SH 170 Non-Intersection Crash Type Distribution



Fatal Crash Analysis

A separate review and analysis of each of the 12 fatal crashes that occurred during the study period were conducted. Information about each fatal crash is described below.

- **C-470 MP 0.75 – 10/18/2010 – 2:07 PM** – An eastbound SUV was traveling through a curve on grade during daylight and dry road conditions. The SUV changed lanes and rear-ended a vehicle at high-speed, then struck a concrete barrier and overturned. Driver of the at-fault vehicle suffered an incapacitating injury.
- **C-470 MP 7.79 – 07/26/2012 – 2:39 AM** – A passenger car/van traveling eastbound on a straight, level segment during dark-unlighted and dry road conditions traveled off the road to the right west of the Bowles Avenue interchange and struck multiple fixed objects, including a head-on crash into guardrail that resulted in an incapacitating injury.
- **US 6 MP 272.44 – 03/03/2010 – 2:30 AM** – A passenger/van traveling westbound through a curve on grade during dark-unlighted and dry road conditions traveled off the right side of the road and struck a guardrail, which caused the vehicle to overturn and travel into trees/shrubbery along the side of the road. The driver was under the influence of alcohol/drugs and was distracted by the passenger.
- **US 6 MP 274.34 – 06/27/2014 – 9:44 PM** – An intoxicated pedestrian was attempting to unlawfully cross US 6 and was walking southbound across US 6 near the Jefferson County District Court building. The pedestrian was struck by a vehicle traveling eastbound on US 6 at approximately 45 miles per hour.
- **SH 93 MP 0.94 – 04/05/2012 – 3:17 PM** – A driver of a passenger car/van violated a red light signal and turned right to travel northbound on SH 93 during daylight and dry road conditions. The vehicle was struck by a northbound pickup truck traveling at approximately 45 miles per hour. The driver of the passenger car/van was not wearing a seatbelt and suffered an incapacitating injury.
- **SH 93 MP 4.37 – 01/26/2014 – 10:10 AM** – An SUV was traveling southbound on SH 93 and had crossed into the northbound lanes to pass another vehicle. The driver failed to re-enter the southbound lanes prior to hitting a motorcyclist. The motorcyclist was thrown from his motorcycle and died as a result of his injuries. The driver of the SUV was charged with vehicular homicide.
- **SH 93 MP 5.30 – 05/18/2014 – 3:35 PM** – A moped was traveling southbound on SH 93, lost control and traveled into the northbound lanes. The moped was struck by a vehicle traveling northbound. The rider of the moped died as a result of injuries sustained.
- **SH 93 MP 7.79 – 02/05/2011 – 2:30 PM** – A passenger car/van was traveling northbound on SH 93 in icy conditions and spun out of control, entered the southbound lane and was struck by an SUV traveling southbound. The driver of the passenger car/van suffered an incapacitating injury.

- **SH 93 MP 8.20 – 12/11/2013 – 5:55 PM** – An intoxicated driver traveling southbound on SH 93 lost control of her vehicle in windy conditions and traveled across the northbound lanes and off the east edge of the road. The vehicle ran off the road up an embankment and collided with several objects before overturning. The driver sustained fatal injuries as a result of the crash.
- **SH 93 MP 9.36 – 11/01/2012 – 7:30 PM** – A passenger car/van was traveling southbound on SH 93 on a dry road during dark-unlighted conditions, lost control and began to rotate counter clockwise across SH 93 and into the northbound lane. The vehicle was struck on the right side by the front of an SUV that was traveling northbound.
- **SH 93 MP 10.38 – 03/13/2013 – 4:05 PM** – A drunk driver was traveling northbound on SH 93 and attempted to illegally pass an SUV in a no-passing zone. The illegal passing maneuver resulted in the driver of a passenger car/van traveling southbound suffering incapacitating injuries after being struck by the drunk driver’s vehicle. The intoxicated driver was cited for vehicular homicide while driving under the influence.
- **SH 93 MP 12.83 – 06/06/2013 – 3:20 PM** – An SUV traveling northbound on SH 93 drifted off the right side of the road, lost control and crossed over into the southbound lane where it was struck by another vehicle. The SUV then overturned down an embankment, and the driver died as a result of injuries sustained in the crashes.

The fatal crashes that occurred were primarily the result of initial head-on, sideswipe or fixed object crashes at high speeds that initiated secondary crashes into fixed objects, other vehicles or roadside embankments, sometimes resulting in vehicles overturning. These secondary crashes and the impacts associated with them often resulted in the fatal injuries that were sustained. In one-third of the fatal crashes, alcohol or drug-related impairment played a role. In just over 40 percent of fatal crashes, the at-fault driver was noted as being preoccupied or distracted. Adverse road conditions were also cited as a factor in one-third of all fatal crashes.

Bicycle/Pedestrian Crash Analysis

A separate assessment related specifically to bicycle and pedestrian crashes was also conducted. Within the study area, which includes the ramps and intersections at interchanges along C-470 in addition to specific segments noted previously, there were a total of nine crashes involving cyclists and four crashes involving pedestrians.

Along C-470, a total of three bicycle crashes occurred—two at the Bowles Avenue interchange and one at the Ken Caryl interchange. One pedestrian crash also occurred at the Morrison Road (SH 8) interchange.

Along US 6, four bicycle crashes occurred at the intersection with 19th Street and a fatal crash involving an intoxicated pedestrian occurred near the Jefferson County Justice Center. Of note, a project to reconfigure the 19th Street intersection is currently underway. The project should improve the pedestrian and cyclist experience through the intersection.

Two crashes involving cyclists and one crash involving a pedestrian occurred along SH 93. The crashes involving cyclists occurred at Washington Avenue and SH 170, while the pedestrian crash was reported to the south of Coal Creek Canyon Road.

Wild Animal Crash Analysis

A total of 275 crashes with wild animals were reported along the seven segments analyzed. Crashes involving wild animals were found to be occurring at a higher than expected rate on five of the seven segments analyzed. The two segments where crashes involving wild animals represented the highest overall percentage of total reported crashes include US 6 between Johnson Road and SH 58/SH 93 (nearly 40 percent) and SH 93 from US 6/SH 58 to SH 72 (20 percent). (See the Wildlife Movement section of the Environmental Overview for more details related to wildlife crashes.)

Safety Performance Function

The assessment of the magnitude of safety problems on roadway segments has been refined through the use of Safety Performance Functions (SPF). The SPF reflects the complex relationship between traffic exposure, measured in average daily traffic (ADT), and crash count for a unit of road section measured in crashes per mile per year. The SPF models provide an estimate of the normal or expected crash frequency and severity for a range of ADT among similar facilities. Two kinds of SPFs have been calibrated. The first one addresses the total number of collisions, and the second one looks only at collisions involving an injury or fatality. It allows for assessment of the magnitude of the safety problem from both the frequency and severity standpoint.

Development of the SPF lends itself well to the conceptual formulation of the Level of Service of Safety (LOSS). The concept of level of service uses qualitative measures that characterize safety of a roadway segment in reference to its expected performance. If the level of safety predicted by the SPF will represent a normal or expected number of crashes at a specific level of ADT, selected percentiles within the frequency distribution can be stratified to represent specific levels of safety.

- LOSS I – Below 20th Percentile
Substantially better than average safety record. Indicates a low potential for crash reduction.
- LOSS II – 20th Percentile to Mean
Indicates a low to moderate potential for crash reduction.
- LOSS III – Mean to 80th Percentile
Indicates a moderate to high potential for crash reduction.
- LOSS IV – Above 80th Percentile
Substantially worse than average safety record. Indicates a high potential for crash reductions.

LOSS reflects how the roadway segment is performing in regard to its expected crash frequency and severity at a specific level of ADT. It only provides a crash frequency and severity comparison with the expected norm. It does not, however, provide any information related to the nature of the safety problem itself. If the safety problem is present, LOSS will only describe its magnitude from the frequency and severity standpoint. The nature of the problem is determined through diagnostic

analysis using direct diagnostic and pattern recognition techniques, which are discussed later in this assessment.

Table 5 summarizes the LOSS for each of the seven segments analyzed. As can be seen, the segment of C-470 from Kipling Parkway to Morrison Road (SH 8) has a low potential for crash reduction in terms of both crash frequency and severity, while the segment of SH 93 from SH 72 to SH 128 has a high potential for crash reduction in terms of both crash frequency and severity. Graphs illustrating the SPFs for each of the seven segments analyzed are contained in the **Appendix B**.

Table 5. Level of Service of Safety Summary

Location	LOSS Total	LOSS Inj. + Fatal
C-470A – Kipling Pkwy to Morrison Rd	I	I
C-470A – Morrison Rd to I-70	II	II
C-470W – I-70 to US 6	III	II
US 6 – Johnson Rd to SH 58/SH 93	IV	III
SH 93 – US 6/SH 58 to SH 72	IV	III
SH 93 – SH 72 to SH 128	IV	IV
SH 93 – SH 128 to SH 170	III	IV

Pattern Recognition

The seven segments analyzed within the study limits were tested for the presence of patterns related to crash type, severity, direction of travel, road conditions, spatial distribution of collisions, time of day and behavioral attributes. Pattern recognition analysis was performed using normative percentages, corresponding to the appropriate freeway or highway type, for diagnostics of safety problems along each segment. These diagnostic norms were developed using the same data points as those graphed in the SPF analysis. This section covers notable crash types and conditions over the study period within the project limits. Anything exceeding 95 percent confidence is considered to be a pattern. In general, throughout the study limits, rear end, wild animal, and fixed object crashes were the types most frequently found to be occurring at a higher than expected rate. The analysis of patterns pertinent to each of the seven segments analyzed is detailed in this section.

C-470 from Kipling Parkway to Morrison Road (SH 8)

Rear end, overturning, fixed object, wild animal, wind-related, and rain/wet road crashes were significant along this 8.2-mile long segment of C-470.

- **Rear End** crashes occurred most frequently between the Morrison Rd and US 285 interchanges, with another cluster near the Bowles Avenue interchange. Approximately 55 percent of rear end crashes occurred during the AM peak period (7:00-9:00 AM), with about 75 percent occurring in the westbound direction. Preoccupied drivers were the cause of 20 percent of rear end crashes.
- **Wild Animal** crashes were evenly distributed along this segment, but nearly half of all wild animal crashes occurred during the months of May through July, with nearly 90 percent occurring in the hours before dawn or after dusk.

- **Fixed Object** crashes were evenly distributed along this segment both in terms of location and direction and time of day. About 33 percent of fixed object crashes occurred in adverse road conditions.
- **Overtaking** crashes were evenly distributed along this segment in terms of location; however, about 70 percent occurred in the westbound direction. About 30 percent of overturning crashes occurred during windy conditions. Of those occurring during windy conditions, three crashes involved large trucks or buses.

Within this segment, crashes that occurred on the ramps at the C-470/US 285 interchange were also evaluated. A total of 30 crashes occurred on the interchange ramps. Of the total, overturning crashes accounted for approximately 35 percent and occurred most frequently on the off-ramp from westbound C-470 to southbound US 285. Other prevalent crash types at the interchange included rear end, sideswipe (same direction), and fixed object.

C-470 from Morrison Road (SH 8) to I-70

Rear end, wild animal, fixed object, and wind and weather related crashes were significant along this 4.25-mile long segment of C-470.

- **Rear End** crashes occur most frequently within the first two miles of this segment between I-70 and Alameda Parkway. Approximately 80 percent of all rear end crashes occur during either the AM (25 percent) or PM (65 percent) peak periods and occur almost equally in the eastbound and westbound directions. Preoccupied drivers were cited as a reason in 16 percent of rear end crashes.
- **Wild Animal** crashes occurred between MP 0.75-2.25 and near the Morrison Avenue interchange. Wild animal crashes occurred most frequently during the months of May and June and before dawn or after dusk hours.
- **Fixed Object** crashes were fairly evenly distributed both along and by direction throughout this segment. About 60 percent occurred in adverse road conditions and happened most often during the AM peak period (7:00-9:00 AM) or early afternoon (1:00-3:00 PM).

Although not found to be statistically overrepresented, sideswipe same direction crashes were also investigated.

- **Sideswipe (Same)** crashes also occur most frequently between I-70 and Alameda Parkway, with an approximately equal number of crashes in the eastbound and westbound directions. This crash type is relatively evenly distributed throughout the 7:00 AM-7:00 PM hours.

Crashes that occurred on the ramps at the C-470/I-70 interchange were also evaluated. A total of 79 crashes occurred on the interchange ramps. The highest number of crashes occurred on the eastbound I-70 ramp to eastbound C-470 (24 crashes). On this ramp, fixed object crashes accounted for nearly 80 percent of all crashes, with the most frequent objects struck being the crash cushion or concrete barrier.

The next highest number of crashes occurred on the westbound C-470 ramp to eastbound I-70 (23 crashes). On this ramp, fixed object crashes were most prevalent, accounting for about 45 percent of all crashes. The type of fixed objects struck varied. Rear end and sideswipe same direction crashes both accounted for 20 percent of crash types, respectively.

The ramp from westbound I-70 to eastbound C-470 had 13 crashes reported during the study period, with fixed object (5 crashes), sideswipe same direction (4 crashes), and rear end (3 crashes) being most prevalent.

C-470 from I-70 to US 6

Fixed object and crashes occurring in adverse weather or road conditions were found to be overrepresented on this 1.21-mile long segment of C-470. This segment is constructed primarily of elevated, curvilinear ramps that likely experience icy conditions before the surrounding freeways.

- **Fixed Object** crashes were evenly distributed along this segment in terms of location; however, about 70 percent occurred in the westbound direction. In this direction, motorists are transitioning from a higher speed facility to a lower speed facility and may be traveling at a higher rate of speed. In addition, the westbound direction flyover ramp over US 6 is elevated for a longer distance than the eastbound ramp, which could make it more susceptible to icy conditions. About 80 percent of fixed object crashes occurred during adverse road conditions, with icy road conditions contributing to 45 percent of all fixed object crashes.

US 6 from Johnson Road to SH 58/SH 93

Wild animal, guard rail and crashes occurring in wet road conditions were the significant crash types in this approximately 3-mile long segment of US 6.

- **Wild Animal** crashes are concentrated between MP 273-273.50. This is the portion of US 6 adjacent to Fossil Trace golf course on the east and open space on the west. Wildlife crashes here occur most frequently during the months of November and December (47 percent). There is an existing wildlife crossing that is located just to the south of MP 273 that is equipped with an opening in the fencing along US 6, with advanced, dynamic signing and markings warning of the crossing. The signs appear to be triggered by lasers or some other active detection device that causes the signs to flash when there are animals using the crossing. This crossing appears to have been installed in 2011 based on historical aerial imagery. However, through the years 2010 to 2014, wildlife crashes have consistently been concentrated near the crossing. A grade-separated wildlife crossing could be considered.

Various other crash types were also examined, although not found to be statistically overrepresented.

- **Rear End** crashes were evenly distributed along this segment in terms of location, but approximately 60 percent occurred in the westbound direction. The majority (over 55 percent) occurred during the PM peak period between 3:00 and 6:00 PM. This trend could be indicative of congested conditions in the corridor.
- **Sideswipe Same** crashes are clustered near the 19th Street and C-470 ramp intersections, with approximately 60 percent of sideswipe same crashes occurring in the eastbound direction. These crashes appear to be evenly spread out based on time of day.
- **Head On** crashes occurred to the north of 19th Street. Only three occurred in the five-year period, but to the west/north of 19th Street is the first area along the corridor to the north of C-470 where a center median is not present. Future alignments or improvements could consider increasing the center median width or providing cable rail, centerline rumble strips or other countermeasures to reduce the occurrence of head on crashes.

- **Bicycle** crashes occurred at the 19th Street intersection (4 total). All these involved vehicles on 19th Street turning left in front of bicycles traveling straight through the intersection. This intersection is currently being redesigned, and the redesign should reduce conflicts between vehicle and bicycle movements.

SH 93 from US 6/SH 58 to SH 72

This 7.6-mile long segment of SH 93 had a number of crash types that occurred at a higher than expected rate, including head on, overturning, rear end, sideswipe (same direction), wild animal, and crashes occurring in snow/sleet/hail conditions.

- **Head on** crashes appear to occur randomly along this segment and equally in both directions throughout the day. Based on the description of some of the fatal crashes on SH 93 involving head on crashes, aggressive driving and misjudging gaps during passing maneuvers appear to be key contributing factors to these types of crashes.
- **Overturning** crashes occur most often between MP 5-7, which is the curvilinear segment extending from near SH 72 about two miles to the south. Approximately 75 percent of these crashes occur most often in the winter (January-April) months, with the most (7 out of 20 occurring in March). Approximately 35 percent of overturning crashes occurred during adverse road conditions (snowy, icy or slushy), and approximately 25 occurred during snow/sleet/hail weather conditions. Approximately 30 percent of overturning crashes occurred during windy conditions. Traveling too fast for conditions, careless driving, speeding and unsafe lane changes were the most common violations contributing to the occurrence of overturning crashes.
- **Rear End** crashes are highly concentrated along the segment to the north of the US 6/SH 58 intersection (MP 0.5-1.0) and appear to be occurring most often in the southbound direction during the PM peak hour, with about 55 percent of all rear end crashes noted between the hours of 4:00 and 6:00 PM. This is likely a result of congestion at the US 6/SH 58 intersection combined with a violation of driver expectancy, especially if southbound drivers on SH 93 have not been stopped at another traffic signal for a long distance.
- **Sideswipe Same Direction** crashes occur along the first mile of this segment to the north of the US 6/SH 58 intersection as a result of the merge/lane drop to the north of US 6/SH 58. Half of the total sideswipe same direction crashes on the entire segment occur within the first mile, and all are in the northbound direction, with most (55 percent) occurring during the AM or PM peak periods.
- **Wild Animal** crashes occur throughout the segment, but there are some clusters of crashes between MP 1.5-2.0 (half mile north of Pine Ridge Drive) and MP 4.5-5.0 (north of West 68th Avenue) where there are a few areas of tree cover with nearby water sources.

SH 93 from SH 72 to SH 128

Consistent with the southern SH 93 segment evaluated, head on, overturning, rear end, wild animal, wind-related and crashes occurring during snow/sleet/hail conditions were some of the significant crash types. This segment also had fence and fixed object crashes occurring at a higher than expected rate.

- **Head On** crashes primarily occur to the south of SH 128, mostly in the southbound direction and during snow/icy conditions.

- **Overturning** crashes are clustered to the north of SH 72 (MP 7.75 to 8.25). Of the seven overturning crashes that occurred in this area, five occurred in adverse weather (snow/icy/wet) conditions.
- **Rear End** crashes are clustered to the north of SH 72 (MP 7.75-8.25) and to the south of the SH 128 (MP 11-11.75) intersections. The rear end crashes to the north of SH 72 occur mostly in the southbound direction during the PM peak hour. The rear end crashes to the south of SH 128 occur during both the AM and PM peak hours in the northbound direction. These crashes are likely a result of congestion and queuing near these intersections, which are likely some of the only places that drivers are required to stop when traveling through the SH 93 corridor.
- **Wild Animal** crashes are clustered around MP 9 near Westgate Drive and in the segment extending from SH 128 approximately two miles to the south.
- **Fence** crashes occur most frequently in the segment extending from SH 72 two miles to the north (MP 8-10). Half occurred in snowy/icy conditions, with an equal number occurring in the northbound and southbound directions. Most (60 percent) occurred during the winter months (December through March).
- **Fixed Object** crashes occurred throughout the segment, with some clusters near MP 8 and MP 10.

SH 93 from SH 128 to SH 170

Significant crash types along this northernmost 1.9-mile long segment of SH 93 include rear end and wind- and weather-related crashes.

- **Rear End** crashes appear to occur randomly along the segment, with approximately 80 percent occurring during the AM (7:00-9:00 AM) and PM (3:00-6:00 PM) peak periods.

Direct Diagnostics

Intersection and intersection-related crashes were assessed using direct diagnostics procedures, which are similar to the pattern recognition procedure used to evaluate roadway segments. Crash types occurring at intersections are compared to normative percentages of those crash types occurring at other similar intersections. Any crash type occurring 5 or more times and exceeding 95 percent confidence is considered to be a pattern. In general, rear end crashes were found to be significant at every signalized intersection along US 6 and nearly every signalized intersection along SH 93. Rarely were other crash types found to be significant. This section details crashes occurring at intersections within the study limits. Significant crash types that occurred at C-470 interchange ramp terminal intersections are also discussed in this section. Intersections where no crash types were noted as being statistically significant are not discussed.

C-470/Kipling Parkway Westbound Ramp Terminal

Approach turn crashes occur at a higher than expected rate and account for 70 percent of all intersection-related crashes at this intersection. The northbound left turn movement operates with protected-permissive phasing and in each crash a northbound left turn vehicle failed to yield to a vehicle traveling southbound on Kipling Parkway. Of note, the dual southbound left turn lanes that serve the eastbound C-470 on-ramp extend to the north of this intersection. This design results in

motorists that are trying to turn left onto westbound C-470 having to look through or around vehicles that are queued in the southbound left turn lanes.

C-470/Ken Caryl Avenue Eastbound Ramp Terminal

Approach turn crashes occur at a higher than expected rate. The majority of the broadside crashes involved a vehicle turning left from westbound C-470 onto westbound Ken Caryl Road getting struck by an eastbound or westbound through vehicle on Ken Caryl Avenue that violated the red signal indication. Signal head visibility in the eastbound direction appears to be limited by the overhead C-470 mainline bridge structures, which could contribute to the occurrence of broadside crashes involving eastbound through vehicles. Signal head visibility in the westbound direction appears to be unobstructed; however, the center landscaped median may limit the ability of westbound drivers to see vehicles making the left turn movement from westbound C-470 onto Ken Caryl Avenue.

C-470/Ken Caryl Avenue Westbound Ramp Terminal

Broadside crashes occur at a higher than expected rate. The approach turn crashes all involved a vehicle traveling westbound on Ken Caryl Avenue attempting to turn onto eastbound C-470 getting struck by a vehicle traveling eastbound on Ken Caryl Avenue. It appears that the center landscaped median may somewhat limit visibility of the traffic signal in the eastbound direction on Ken Caryl Avenue. Signal timing would need to be reviewed to confirm, but it appears from the officer's narratives of the approach turn crashes that the crashes are a result of eastbound left turn vehicles running the red light and conflicting with a lagging westbound left turn green arrow indication.

C-470/Quincy Avenue Eastbound Ramp Terminal

Broadside crashes occur at a higher than expected rate and account for approximately 45 percent of all intersection-related crashes at this intersection. All of the broadside crashes involved a vehicle stopped at the STOP-sign on the eastbound off-ramp attempting to turn left onto Quincy Avenue and getting struck by either an eastbound or westbound vehicle.

C-470/Quincy Avenue Westbound Ramp Terminal

Broadside crashes occur at a higher than expected rate and account for 50 percent of all intersection related crashes at this intersection. All of the broadside crashes involved a vehicle stopped at the STOP-sign on the westbound off-ramp attempting to turn left onto Quincy Avenue and getting struck by a vehicle traveling eastbound on Quincy Avenue.

US 6/Johnson Road

Rear end crashes occur at a higher than expected rate and account for approximately 75 percent of all intersection related crashes at this intersection. Rear end crashes are fairly evenly distributed between the hours of 7:00 AM and 7:00 PM, with approximately 60 percent occurring in the eastbound direction. Crashes citing drivers unfamiliar with the area were also statistically overrepresented.

US 6/Jefferson County Parkway

Rear end crashes occur at a higher than expected rate and account for approximately 65 percent of all intersection related crashes at this intersection, with about 40 percent occurring during the AM peak period. There was also a smaller peak of rear end crashes during the noon-1:00 PM hour. It is possible this intersection experiences a peak during the noon hour as Jefferson County employees go out for lunch. Although not overrepresented, approach turn crashes spiked during the 1:00-2:00 PM hour, with 5 of the 14 approach turn crashes occurring during this period.

US 6/19th Street

Rear end crashes account for approximately 65 percent of all intersection-related crashes at this intersection and occur at a higher than expected rate. These crashes occurred most frequently during two distinct periods—the mid-afternoon peak period (2:00-3:00 PM) and the PM peak period (4:00-6:00 PM). The mid-afternoon period likely corresponds to the time when a large number of classes dismiss at the Colorado School of Mines. Recall that a project to reconfigure the 19th Street intersection is currently underway. The project should improve the pedestrian and cyclist experience through the intersection as well as reduce the potential for injury and fatal crashes by providing grade-separation from US 6 and reducing the number of conflict points.

US 6/SH 58/SH 93

Rear end crashes account for approximately 60 percent of all intersection-related crashes at this intersection and were the only crash type statistically overrepresented.

SH 93/Iowa Drive

Rear end crashes account for approximately 60 percent of all intersection-related crashes at this intersection and were the only crash type statistically overrepresented. The majority of rear end crashes (approximately 70 percent) occur in the northbound direction and occur most often during the 10:00 AM and 3:00 PM hours. Rear end crashes occur most often on either Sunday or Monday.

SH 93/Washington Avenue

Rear end crashes account for approximately 67 percent of all intersection-related crashes at this intersection and were the only crash type statistically overrepresented. The majority of rear end crashes (approximately 55 percent) occur in the southbound direction, with approximately 60 percent occurring between the hours of 3:00-7:00 PM.

SH 93/West 58th Avenue

Approach turn crashes were found to be statistically significant at this intersection. These crashes occurred primarily in the southbound direction (80 percent), with 80 percent occurring during the PM peak period (4:00-7:00 PM). This intersection operates with protected-permissive left turn phasing on a segment of SH 93 with a 65 miles per hour posted speed limit. One of the most effective ways to reduce the occurrence of approach turn crashes is to operate the left turns with protected

only phasing. Consideration should be given to installing protected only left turn phasing, particularly during the PM peak period.

SH 93/SH 72

Rear end crashes were statistically overrepresented and account for approximately 63 percent of all intersection-related crashes at this intersection. Crashes involving preoccupied drivers also occur at a higher than expected rate. Two-thirds of all rear end crashes occur in the northbound direction, with 33 percent of all rear end crashes occurring between 4:00-5:00 PM. Dilemma zone or back of queue warning signs in the northbound direction could reduce the occurrence of rear end crashes in the northbound direction.

SH 93/SH 128

Rear end crashes were statistically overrepresented and account for approximately 90 percent of all intersection-related crashes at this intersection. Crashes involving preoccupied drivers also occur at a higher than expected rate. Sixty percent of rear end crashes occur during the AM peak period (6:00-10:00 AM), with 40 percent of all rear end crashes occurring in the westbound or southbound direction and 20 percent occurring in the northbound direction. The traffic signal at SH 93 is the first traffic signal on SH 128 that westbound drivers encounter in 4 miles after traveling through the McCaslin Boulevard intersection. The visibility of the traffic signal at SH 93 or the back of queue is obscured by a horizontal curve to the east of the SH 93 intersection.

SH 93/SH 170

Rear end crashes were statistically overrepresented and account for approximately 53 percent of all intersection-related crashes at this intersection. Crashes involving preoccupied drivers also occur at a higher than expected rate. Half of all rear end crashes occur during either the AM or PM peak periods, with 50 percent of rear end crashes occurring in the southbound direction. A tree-lined horizontal curve limits visibility of the traffic signal or the back of queue approaching the intersection in the southbound direction.

Appendix A

Detailed Summary of Crash History



Colorado Department of Transportation
DiExSys™ Roadway Safety Systems
Detailed Summary of Crashes Report

05/13/2016

Job #: 20160513083153

Location: 470A Begin: 4.26 End: 12.45 From:01/01/2010 To:12/31/2014

Mainline Only, Non-Intersection Crashes 2010-2014

Severity	
PDO:	384
INJ:	92 117 :Injured
FAT:	1 1 :Killed
Total:	477

Number of Vehicles	
One Vehicle:	218
Two Vehicles:	215
Three or More:	44
Unknown:	0
Total:	477

Location	
On Road:	343
Off Road Left:	80
Off Road Right:	52
Off Road at Tee:	0
Off in Median:	2
Unknown:	0
Total:	477

Lighting Conditions	
Daylight:	317
Dawn or Dusk:	29
Dark - Lighted:	42
Dark - Unlighted:	89
Unknown:	0
Total:	477

Weather Conditions	
None:	401
Rain:	20
Snow/Sleet/Hail:	33
Fog:	1
Dust:	1
Wind:	21
Unknown:	0
Total:	477

Crash Rates	
PDO:	0.42* * MVMT
INJ:	0.10* ** 100 MVMT
FAT:	0.11**
Total:	0.52*

Crash Type	
Overtuning:	24
Other Non Collision:	8
Pedestrians:	0
Broadside:	0
Head On:	1
Rear End:	155
Sideswipe (Same):	57
Sideswipe (Opposite):	2
Approach Turn:	0
Overtaking Turn:	1
Parked Motor Vehicle:	6
Railway Vehicle:	0
Bicycle:	0
Motorized Bicycle:	0
Domestic Animal:	0
Wild Animal:	80
Light/Utility Pole:	1
Traffic Signal Pole:	1
Sign:	4
Bridge Rail:	2
Guard Rail:	23
Cable Rail:	45
Concrete Barrier:	13
Bridge Abutment:	0
Column/Pier:	0
Culvert/Headwall:	0
Embankment:	7
Curb:	1
Delineator Post:	6
Fence:	8
Tree:	0
Large Boulders or Rocks:	0
Barricade:	0
Wall/Building:	0
Crash Cushion:	0
Mailbox:	0
Other Fixed Object:	1
Total Fixed Objects:	112
Rocks in Roadway:	0
Vehicle Cargo/Debris:	23
Road Maintenance Equipment:	0
Involving Other Object:	8
Total Other Objects:	31
Unknown:	0
Total:	477

Mainline/Ramps/Frontage Roads	
Mainline:	477
Crossroad (A):	0
Ramps	
B: 0 F: 0 J: 0	
C: 0 G: 0 K: 0	
D: 0 H: 0 L: 0	
E: 0 I: 0	
Frontage/Ramp Intersections	
M: 0 N: 0 O: 0 P: 0	
Left Frontage Rd (L):	0
Rt Frontage Rd (R):	0
HOV Lanes (V):	0
Unknown:	0
Total:	477

Road Description	
At Intersection:	0
At Driveway Access:	0
Intersection Related:	0
Non Intersection:	477
In Alley:	0
Roundabout:	0
Ramp:	0
Parking Lot:	0
Unknown:	0
Total:	477

Road Conditions	
Dry:	375
Wet:	36
Muddy:	0
Snowy:	9
Icy:	30
Slushy:	5
Foreign Material:	2
With Road Treatment:	0
Dry w/Icy Road Treatment:	2
Wet w/Icy Road Treatment:	0
Snowy w/Icy Road Treatment:	1
Icy w/Icy Road Treatment:	0
Slushy w/Icy Road Treatment:	1
Unknown:	16
Total:	477

ADT: 61,293 Length: 8.18



Colorado Department of Transportation
DiExSys™ Roadway Safety Systems
Detailed Summary of Crashes Report

05/13/2016

Job #: 20160513083153

Location: 470A Begin: 4.26 End: 12.45 From:01/01/2010 To:12/31/2014

Mainline Only, Non-Intersection Crashes 2010-2014

Vehicle Type	Veh 1	Veh 2	Veh 3
Passenger Car/Van:	236	115	20
Passenger Car/Van w/Trl:	0	0	0
Pickup Truck/Utility Van:	59	37	8
Pickup Truck/Utility Van w/Trl:	17	4	0
SUV:	123	92	15
SUV w/Trl:	2	1	0
Truck 10k lbs or Less:	0	0	0
Trucks > 10k lbs/Bus > 15 People:	16	6	0
School Bus < 15 People:	0	0	0
Non School Bus < 15 People:	1	0	0
Motorhome:	0	0	0
Motorcycle:	9	3	0
Bicycle:	0	0	0
Motorized Bicycle:	0	0	0
Farm Equipment:	0	0	0
Hit and Run - Unknown:	13	0	0
Other:	1	1	0
Unknown:	0	0	1
Total:	477	259	44

Vehicle Movement	Veh 1	Veh 2	Veh 3
Going Straight:	302	101	10
Slowing:	28	68	8
Stopped in Traffic:	1	62	23
Making Right Turn:	1	1	0
Making Left Turn:	0	1	0
Making U-Turn:	2	0	0
Passing:	5	2	0
Backing:	0	0	0
Enter/Leave Parked Position:	0	0	0
Starting in Traffic:	0	0	0
Parked:	0	6	0
Changing Lanes:	53	4	0
Avoiding Object/Veh in Road:	8	7	2
Weaving:	9	0	0
Other:	67	7	0
Unknown:	1	0	1
Total:	477	259	44

Contributing Factor	Veh 1	Veh 2	Veh 3
No Apparent Contributing Factor:	261	249	41
Asleep at the Wheel:	10	0	0
Illness:	4	0	0
Distracted by Passenger:	20	0	0
Driver Inexperience:	15	0	0
Driver Fatigue:	3	0	0
Driver Preoccupied:	51	2	0
Driver Unfamiliar with Area:	22	0	0
Driver Emotionally Upset:	4	0	0
Evading Law Enforcement Officer:	1	1	0
Physical Disability:	0	0	0
Unknown:	86	7	3
Total:	477	259	44

Direction	Veh 1	Veh 2	Veh 3
North:	104	68	11
Northeast:	0	0	0
East:	96	40	3
Southeast:	53	20	3
South:	59	21	4
Southwest:	2	1	0
West:	116	77	14
Northwest:	46	32	8
Unknown:	1	0	1
Total:	477	259	44

Condition of Driver	Veh 1	Veh 2	Veh 3
No Impairment Suspected:	453	258	44
Alcohol Involved:	17	0	0
RX, Medication, or Drugs Involved:	5	1	0
Illegal Drugs Involved:	0	0	0
Alcohol and Drugs Involved:	2	0	0
Driver/Pedestrian not Observed:	0	0	0
Unknown:	0	0	0
Total:	477	259	44

ADT: 61,293 Length: 8.18

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Page 2

User: Devin on DESIGN21

Detailed Summaries for Table 1



Colorado Department of Transportation
DiExSys™ Roadway Safety Systems
Detailed Summary of Crashes Report

05/13/2016

Job #: 20160513090205

Location: 470A Begin: 0.00 End: 4.25 From:01/01/2010 To:12/31/2014

C-470A - I-70 to Morrison - Mainline Crashes Only

Severity	
PDO:	354
INJ:	93 121 :Injured
FAT:	1 2 :Killed
Total:	448

Number of Vehicles	
One Vehicle:	163
Two Vehicles:	228
Three or More:	57
Unknown:	0
Total:	448

Location	
On Road:	299
Off Road Left:	84
Off Road Right:	65
Off Road at Tee:	0
Off in Median:	0
Unknown:	0
Total:	448

Lighting Conditions	
Daylight:	294
Dawn or Dusk:	22
Dark - Lighted:	78
Dark - Unlighted:	54
Unknown:	0
Total:	448

Weather Conditions	
None:	332
Rain:	26
Snow/Sleet/Hail:	77
Fog:	2
Dust:	0
Wind:	6
Unknown:	5
Total:	448

Crash Rates	
PDO:	0.59* * MVMT
INJ:	0.16* ** 100 MVMT
FAT:	0.17**
Total:	0.75*

Crash Type	
Overtuning:	13
Other Non Collision:	6
Pedestrians:	1
Broadside:	0
Head On:	0
Rear End:	196
Sideswipe (Same):	51
Sideswipe (Opposite):	0
Approach Turn:	1
Overtaking Turn:	0
Parked Motor Vehicle:	2
Railway Vehicle:	0
Bicycle:	0
Motorized Bicycle:	0
Domestic Animal:	0
Wild Animal:	20
Light/Utility Pole:	3
Traffic Signal Pole:	0
Sign:	8
Bridge Rail:	0
Guard Rail:	18
Cable Rail:	1
Concrete Barrier:	82
Bridge Abutment:	0
Column/Pier:	0
Culvert/Headwall:	2
Embankment:	7
Curb:	0
Delineator Post:	2
Fence:	6
Tree:	0
Large Boulders or Rocks:	0
Barricade:	0
Wall/Building:	2
Crash Cushion:	3
Mailbox:	0
Other Fixed Object:	0
Total Fixed Objects:	134
Rocks in Roadway:	0
Vehicle Cargo/Debris:	21
Road Maintenance Equipment:	0
Involving Other Object:	3
Total Other Objects:	24
Unknown:	0
Total:	448

Mainline/Ramps/Frontage Roads	
Mainline:	448
Crossroad (A):	0
Ramps	
B: 0 F: 0 J: 0	
C: 0 G: 0 K: 0	
D: 0 H: 0 L: 0	
E: 0 I: 0	
Frontage/Ramp Intersections	
M: 0 N: 0 O: 0 P: 0	
Left Frontage Rd (L):	0
Rt Frontage Rd (R):	0
HOV Lanes (V):	0
Unknown:	0
Total:	448

Road Description	
At Intersection:	0
At Driveway Access:	0
Intersection Related:	0
Non Intersection:	448
In Alley:	0
Roundabout:	0
Ramp:	0
Parking Lot:	0
Unknown:	0
Total:	448

Road Conditions	
Dry:	302
Wet:	34
Muddy:	0
Snowy:	34
Icy:	53
Slushy:	11
Foreign Material:	0
With Road Treatment:	0
Dry w/Icy Road Treatment:	0
Wet w/Icy Road Treatment:	0
Snowy w/Icy Road Treatment:	2
Icy w/Icy Road Treatment:	2
Slushy w/Icy Road Treatment:	1
Unknown:	9
Total:	448

ADT: 75,800 Length: 4.33



Colorado Department of Transportation
DiExSys™ Roadway Safety Systems
Detailed Summary of Crashes Report

05/13/2016

Job #: 20160513090205

Location: 470A **Begin: 0.00** **End: 4.25** **From:01/01/2010** **To:12/31/2014**

C-470A - I-70 to Morrison - Mainline Crashes Only

Vehicle Type	Veh 1	Veh 2	Veh 3	Vehicle Movement	Veh 1	Veh 2	Veh 3
Passenger Car/Van:	208	122	22	Going Straight:	250	113	12
Passenger Car/Van w/Trl:	0	0	0	Slowing:	43	66	15
Pickup Truck/Utility Van:	76	56	10	Stopped in Traffic:	1	90	28
Pickup Truck/Utility Van w/Trl:	10	4	0	Making Right Turn:	0	0	0
SUV:	125	90	25	Making Left Turn:	0	0	0
SUV w/Trl:	0	0	0	Making U-Turn:	2	0	0
Truck 10k lbs or Less:	0	0	0	Passing:	5	1	0
Trucks > 10k lbs/Bus > 15 People:	17	10	0	Backing:	0	1	0
School Bus < 15 People:	0	1	0	Enter/Leave Parked Position:	0	0	0
Non School Bus < 15 People:	0	2	0	Starting in Traffic:	0	0	0
Motorhome:	1	0	0	Parked:	0	2	0
Motorcycle:	2	0	0	Changing Lanes:	44	4	0
Bicycle:	0	0	0	Avoiding Object/Veh in Road:	9	4	0
Motorized Bicycle:	0	0	0	Weaving:	9	0	0
Farm Equipment:	0	0	0	Other:	85	3	2
Hit and Run - Unknown:	8	0	0	Unknown:	0	1	0
Other:	1	0	0	Total:	448	285	57
Unknown:	0	0	0				
Total:	448	285	57				

Contributing Factor	Veh 1	Veh 2	Veh 3	Direction	Veh 1	Veh 2	Veh 3
No Apparent Contributing Factor:	230	280	57	North:	113	68	13
Asleep at the Wheel:	8	1	0	Northeast:	1	0	0
Illness:	4	0	0	East:	84	60	14
Distracted by Passenger:	17	0	0	Southeast:	9	7	3
Driver Inexperience:	18	0	0	South:	125	90	20
Driver Fatigue:	2	0	0	Southwest:	3	3	0
Driver Preoccupied:	54	0	0	West:	96	52	7
Driver Unfamiliar with Area:	20	1	0	Northwest:	17	4	0
Driver Emotionally Upset:	3	0	0	Unknown:	0	1	0
Evading Law Enforcement Officer:	0	0	0	Total:	448	285	57
Physical Disability:	0	0	0				
Unknown:	92	3	0				
Total:	448	285	57				

Condition of Driver	Veh 1	Veh 2	Veh 3
No Impairment Suspected:	431	284	57
Alcohol Involved:	11	0	0
RX, Medication, or Drugs Involved:	4	1	0
Illegal Drugs Involved:	0	0	0
Alcohol and Drugs Involved:	2	0	0
Driver/Pedestrian not Observed:	0	0	0
Unknown:	0	0	0
Total:	448	285	57

ADT: 75,800 **Length: 4.33**

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Colorado Department of Transportation
 DiExSys™ Roadway Safety Systems
 Detailed Summary of Crashes Report

05/17/2016

Job #: 20160517090144

Location: 470W Begin: 0.00 End: 1.21 From:01/01/2010 To:12/31/2014

C470W Mainline crashes only, non-intersection

Severity	
PDO:	28
INJ:	4 5 :Injured
FAT:	0 0 :Killed
Total:	32

Number of Vehicles	
One Vehicle:	23
Two Vehicles:	9
Three or More:	0
Unknown:	0
Total:	32

Location	
On Road:	12
Off Road Left:	12
Off Road Right:	8
Off Road at Tee:	0
Off in Median:	0
Unknown:	0
Total:	32

Lighting Conditions	
Daylight:	21
Dawn or Dusk:	0
Dark - Lighted:	9
Dark - Unlighted:	2
Unknown:	0
Total:	32

Weather Conditions	
None:	16
Rain:	4
Snow/Sleet/Hail:	12
Fog:	0
Dust:	0
Wind:	0
Unknown:	0
Total:	32

Crash Rates	
PDO:	0.52* * MVMT
INJ:	0.07* ** 100 MVMT
FAT:	0.00**
Total:	0.60*

Crash Type	
Overtuning:	1
Other Non Collision:	0
Pedestrians:	0
Broadside:	0
Head On:	0
Rear End:	4
Sideswipe (Same):	3
Sideswipe (Opposite):	1
Approach Turn:	1
Overtaking Turn:	0
Parked Motor Vehicle:	0
Railway Vehicle:	0
Bicycle:	0
Motorized Bicycle:	0
Domestic Animal:	0
Wild Animal:	2
Light/Utility Pole:	0
Traffic Signal Pole:	1
Sign:	1
Bridge Rail:	0
Guard Rail:	4
Cable Rail:	0
Concrete Barrier:	13
Bridge Abutment:	0
Column/Pier:	0
Culvert/Headwall:	1
Embankment:	0
Curb:	0
Delineator Post:	0
Fence:	0
Tree:	0
Large Boulders or Rocks:	0
Barricade:	0
Wall/Building:	0
Crash Cushion:	0
Mailbox:	0
Other Fixed Object:	0
Total Fixed Objects:	20
Rocks in Roadway:	0
Vehicle Cargo/Debris:	0
Road Maintenance Equipment:	0
Involving Other Object:	0
Total Other Objects:	0
Unknown:	0
Total:	32

Mainline/Ramps/Frontage Roads	
Mainline:	32
Crossroad (A):	0
Ramps	
B: 0 F: 0 J: 0	
C: 0 G: 0 K: 0	
D: 0 H: 0 L: 0	
E: 0 I: 0	
Frontage/Ramp Intersections	
M: 0 N: 0 O: 0 P: 0	
Left Frontage Rd (L):	0
Rt Frontage Rd (R):	0
HOV Lanes (V):	0
Unknown:	0
Total:	32

Road Description	
At Intersection:	0
At Driveway Access:	0
Intersection Related:	0
Non Intersection:	32
In Alley:	0
Roundabout:	0
Ramp:	0
Parking Lot:	0
Unknown:	0
Total:	32

Road Conditions	
Dry:	11
Wet:	3
Muddy:	0
Snowy:	8
Icy:	10
Slushy:	0
Foreign Material:	0
With Road Treatment:	0
Dry w/Icy Road Treatment:	0
Wet w/Icy Road Treatment:	0
Snowy w/Icy Road Treatment:	0
Icy w/Icy Road Treatment:	0
Slushy w/Icy Road Treatment:	0
Unknown:	0
Total:	32

ADT: 23,800 Length: 1.23



Colorado Department of Transportation
DiExSys™ Roadway Safety Systems
Detailed Summary of Crashes Report

05/17/2016

Job #: 20160517090144

Location: 470W Begin: 0.00 End: 1.21 From:01/01/2010 To:12/31/2014

C470W Mainline crashes only, non-intersection

Vehicle Type	Veh 1	Veh 2	Veh 3	Vehicle Movement	Veh 1	Veh 2	Veh 3
Passenger Car/Van:	13	2	0	Going Straight:	10	7	0
Passenger Car/Van w/Trl:	0	0	0	Slowing:	1	1	0
Pickup Truck/Utility Van:	6	2	0	Stopped in Traffic:	1	1	0
Pickup Truck/Utility Van w/Trl:	1	0	0	Making Right Turn:	0	0	0
SUV:	10	5	0	Making Left Turn:	0	0	0
SUV w/Trl:	0	0	0	Making U-Turn:	2	0	0
Truck 10k lbs or Less:	0	0	0	Passing:	0	0	0
Trucks > 10k lbs/Bus > 15 People:	1	0	0	Backing:	0	0	0
School Bus < 15 People:	0	0	0	Enter/Leave Parked Position:	0	0	0
Non School Bus < 15 People:	0	0	0	Starting in Traffic:	0	0	0
Motorhome:	0	0	0	Parked:	0	0	0
Motorcycle:	1	0	0	Changing Lanes:	2	0	0
Bicycle:	0	0	0	Avoiding Object/Veh in Road:	0	0	0
Motorized Bicycle:	0	0	0	Weaving:	0	0	0
Farm Equipment:	0	0	0	Other:	15	0	0
Hit and Run - Unknown:	0	0	0	Unknown:	1	0	0
Other:	0	0	0	Total:	32	9	0
Unknown:	0	0	0				
Total:	32	9	0				

Contributing Factor	Veh 1	Veh 2	Veh 3	Direction	Veh 1	Veh 2	Veh 3
No Apparent Contributing Factor:	12	9	0	North:	7	1	0
Asleep at the Wheel:	1	0	0	Northeast:	0	0	0
Illness:	1	0	0	East:	5	1	0
Distracted by Passenger:	1	0	0	Southeast:	1	1	0
Driver Inexperience:	1	0	0	South:	4	0	0
Driver Fatigue:	0	0	0	Southwest:	1	0	0
Driver Preoccupied:	5	0	0	West:	13	6	0
Driver Unfamiliar with Area:	2	0	0	Northwest:	1	0	0
Driver Emotionally Upset:	0	0	0	Unknown:	0	0	0
Evading Law Enforcement Officer:	0	0	0	Total:	32	9	0
Physical Disability:	0	0	0				
Unknown:	9	0	0				
Total:	32	9	0				

Condition of Driver	Veh 1	Veh 2	Veh 3
No Impairment Suspected:	32	9	0
Alcohol Involved:	0	0	0
RX, Medication, or Drugs Involved:	0	0	0
Illegal Drugs Involved:	0	0	0
Alcohol and Drugs Involved:	0	0	0
Driver/Pedestrian not Observed:	0	0	0
Unknown:	0	0	0
Total:	32	9	0

ADT: 23,800 Length: 1.23

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Colorado Department of Transportation
DiExSys™ Roadway Safety Systems
Detailed Summary of Crashes Report

05/17/2016

Job #: 20160517092440

Location: 6G Begin: 271.67 End: 274.65 From: 01/01/2010 To: 12/31/2014

US 6 G - SH 58/SH 93 to Johnson Rd - mainline, non-intersection crashes

Severity	
PDO:	153
INJ:	39 59 :Injured
FAT:	2 2 :Killed
Total:	194

Number of Vehicles	
One Vehicle:	104
Two Vehicles:	73
Three or More:	17
Unknown:	0
Total:	194

Location	
On Road:	165
Off Road Left:	10
Off Road Right:	16
Off Road at Tee:	0
Off in Median:	3
Unknown:	0
Total:	194

Lighting Conditions	
Daylight:	100
Dawn or Dusk:	10
Dark - Lighted:	22
Dark - Unlighted:	62
Unknown:	0
Total:	194

Weather Conditions	
None:	169
Rain:	10
Snow/Sleet/Hail:	14
Fog:	0
Dust:	0
Wind:	1
Unknown:	0
Total:	194

Crash Rates	
PDO:	0.85* * MVMT
INJ:	0.22* ** 100 MVMT
FAT:	1.11**
Total:	1.07*

Crash Type	
Overtuning:	4
Other Non Collision:	2
Pedestrians:	1
Broadside:	0
Head On:	3
Rear End:	56
Sideswipe (Same):	19
Sideswipe (Opposite):	4
Approach Turn:	0
Overtaking Turn:	0
Parked Motor Vehicle:	0
Railway Vehicle:	0
Bicycle:	0
Motorized Bicycle:	0
Domestic Animal:	2
Wild Animal:	76
Light/Utility Pole:	1
Traffic Signal Pole:	0
Sign:	4
Bridge Rail:	0
Guard Rail:	6
Cable Rail:	0
Concrete Barrier:	1
Bridge Abutment:	0
Column/Pier:	0
Culvert/Headwall:	0
Embankment:	4
Curb:	2
Delineator Post:	4
Fence:	0
Tree:	2
Large Boulders or Rocks:	0
Barricade:	0
Wall/Building:	0
Crash Cushion:	0
Mailbox:	0
Other Fixed Object:	0
Total Fixed Objects:	24
Rocks in Roadway:	0
Vehicle Cargo/Debris:	1
Road Maintenance Equipment:	0
Involving Other Object:	2
Total Other Objects:	3
Unknown:	0
Total:	194

Mainline/Ramps/Frontage Roads	
Mainline:	194
Crossroad (A):	0
Ramps	
B: 0 F: 0 J: 0	
C: 0 G: 0 K: 0	
D: 0 H: 0 L: 0	
E: 0 I: 0	
Frontage/Ramp Intersections	
M: 0 N: 0 O: 0 P: 0	
Left Frontage Rd (L):	0
Rt Frontage Rd (R):	0
HOV Lanes (V):	0
Unknown:	0
Total:	194

Road Description	
At Intersection:	0
At Driveway Access:	0
Intersection Related:	0
Non Intersection:	194
In Alley:	0
Roundabout:	0
Ramp:	0
Parking Lot:	0
Unknown:	0
Total:	194

Road Conditions	
Dry:	156
Wet:	18
Muddy:	1
Snowy:	8
Icy:	10
Slushy:	0
Foreign Material:	1
With Road Treatment:	0
Dry w/Icy Road Treatment:	0
Wet w/Icy Road Treatment:	0
Snowy w/Icy Road Treatment:	0
Icy w/Icy Road Treatment:	0
Slushy w/Icy Road Treatment:	0
Unknown:	0
Total:	194

ADT: 34,107 Length: 2.90



Colorado Department of Transportation
DiExSys™ Roadway Safety Systems
Detailed Summary of Crashes Report

05/17/2016

Job #: 20160517092440

Location: 6G **Begin: 271.67** **End: 274.65** **From: 01/01/2010** **To: 12/31/2014**

US 6 G - SH 58/SH 93 to Johnson Rd - mainline, non-intersection crashes

Vehicle Type	Veh 1	Veh 2	Veh 3	Vehicle Movement	Veh 1	Veh 2	Veh 3
Passenger Car/Van:	104	49	5	Going Straight:	135	36	6
Passenger Car/Van w/Trl:	0	0	0	Slowing:	10	17	3
Pickup Truck/Utility Van:	28	6	2	Stopped in Traffic:	4	28	5
Pickup Truck/Utility Van w/Trl:	0	0	0	Making Right Turn:	0	0	0
SUV:	49	32	9	Making Left Turn:	0	0	0
SUV w/Trl:	0	0	0	Making U-Turn:	1	0	0
Truck 10k lbs or Less:	0	0	0	Passing:	1	1	0
Trucks > 10k lbs/Bus > 15 People:	1	0	0	Backing:	2	0	0
School Bus < 15 People:	0	0	0	Enter/Leave Parked Position:	0	0	0
Non School Bus < 15 People:	0	1	0	Starting in Traffic:	0	0	0
Motorhome:	0	0	0	Parked:	0	0	0
Motorcycle:	6	2	0	Changing Lanes:	17	1	0
Bicycle:	0	0	0	Avoiding Object/Veh in Road:	4	6	3
Motorized Bicycle:	0	0	0	Weaving:	1	0	0
Farm Equipment:	0	0	0	Other:	18	1	0
Hit and Run - Unknown:	4	0	1	Unknown:	1	0	0
Other:	2	0	0	Total:	194	90	17
Unknown:	0	0	0				
Total:	194	90	17				

Contributing Factor	Veh 1	Veh 2	Veh 3	Direction	Veh 1	Veh 2	Veh 3
No Apparent Contributing Factor:	122	85	15	North:	23	11	4
Asleep at the Wheel:	5	0	1	Northeast:	0	0	0
Illness:	1	0	0	East:	44	24	4
Distracted by Passenger:	9	0	0	Southeast:	39	14	0
Driver Inexperience:	2	0	1	South:	11	3	0
Driver Fatigue:	1	0	0	Southwest:	0	0	0
Driver Preoccupied:	17	3	0	West:	34	14	3
Driver Unfamiliar with Area:	3	0	0	Northwest:	43	24	6
Driver Emotionally Upset:	3	0	0	Unknown:	0	0	0
Evading Law Enforcement Officer:	0	0	0	Total:	194	90	17
Physical Disability:	0	0	0				
Unknown:	31	2	0				
Total:	194	90	17				

Condition of Driver	Veh 1	Veh 2	Veh 3
No Impairment Suspected:	183	90	17
Alcohol Involved:	8	0	0
RX, Medication, or Drugs Involved:	1	0	0
Illegal Drugs Involved:	0	0	0
Alcohol and Drugs Involved:	2	0	0
Driver/Pedestrian not Observed:	0	0	0
Unknown:	0	0	0
Total:	194	90	17

ADT: 34,107 **Length: 2.90**

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User: Devin on DESIGN21

Detailed Summaries for Table 1



Colorado Department of Transportation
DiExSys™ Roadway Safety Systems
Detailed Summary of Crashes Report

05/12/2016

Job #: 20160512140533

Location: 93A Begin: 0.00 End: 7.57 From:01/01/2010 To:12/31/2014

SH 93A - US 6 to SH 72 - non-intersection crashes

Severity	
PDO:	245
INJ:	74 110 :Injured
FAT:	3 3 :Killed
Total:	322

Number of Vehicles	
One Vehicle:	115
Two Vehicles:	165
Three or More:	42
Unknown:	0
Total:	322

Location	
On Road:	277
Off Road Left:	16
Off Road Right:	28
Off Road at Tee:	0
Off in Median:	1
Unknown:	0
Total:	322

Lighting Conditions	
Daylight:	215
Dawn or Dusk:	17
Dark - Lighted:	9
Dark - Unlighted:	81
Unknown:	0
Total:	322

Weather Conditions	
None:	269
Rain:	17
Snow/Sleet/Hail:	24
Fog:	1
Dust:	0
Wind:	11
Unknown:	0
Total:	322

Crash Rates	
PDO:	0.82* * MVMT
INJ:	0.25* ** 100 MVMT
FAT:	1.00**
Total:	1.07*

Crash Type	
Overtuning:	20
Other Non Collision:	5
Pedestrians:	1
Broadside:	0
Head On:	14
Rear End:	146
Sideswipe (Same):	16
Sideswipe (Opposite):	14
Approach Turn:	0
Overtaking Turn:	8
Parked Motor Vehicle:	3
Railway Vehicle:	0
Bicycle:	0
Motorized Bicycle:	0
Domestic Animal:	1
Wild Animal:	66
Light/Utility Pole:	0
Traffic Signal Pole:	0
Sign:	4
Bridge Rail:	0
Guard Rail:	2
Cable Rail:	0
Concrete Barrier:	0
Bridge Abutment:	0
Column/Pier:	0
Culvert/Headwall:	0
Embankment:	6
Curb:	0
Delineator Post:	3
Fence:	8
Tree:	0
Large Boulders or Rocks:	1
Barricade:	0
Wall/Building:	0
Crash Cushion:	0
Mailbox:	0
Other Fixed Object:	1
Total Fixed Objects:	25
Rocks in Roadway:	0
Vehicle Cargo/Debris:	1
Road Maintenance Equipment:	1
Involving Other Object:	1
Total Other Objects:	3
Unknown:	0
Total:	322

Mainline/Ramps/Frontage Roads	
Mainline:	322
Crossroad (A):	0
Ramps	
B: 0 F: 0 J: 0	
C: 0 G: 0 K: 0	
D: 0 H: 0 L: 0	
E: 0 I: 0	
Frontage/Ramp Intersections	
M: 0 N: 0 O: 0 P: 0	
Left Frontage Rd (L):	0
Rt Frontage Rd (R):	0
HOV Lanes (V):	0
Unknown:	0
Total:	322

Road Description	
At Intersection:	0
At Driveway Access:	0
Intersection Related:	0
Non Intersection:	322
In Alley:	0
Roundabout:	0
Ramp:	0
Parking Lot:	0
Unknown:	0
Total:	322

Road Conditions	
Dry:	264
Wet:	26
Muddy:	0
Snowy:	11
Icy:	13
Slushy:	3
Foreign Material:	0
With Road Treatment:	0
Dry w/Icy Road Treatment:	0
Wet w/Icy Road Treatment:	0
Snowy w/Icy Road Treatment:	0
Icy w/Icy Road Treatment:	0
Slushy w/Icy Road Treatment:	0
Unknown:	5
Total:	322

ADT: 19,915 Length: 8.25



Colorado Department of Transportation
DiExSys™ Roadway Safety Systems
Detailed Summary of Crashes Report

05/12/2016

Job #: 20160512140533

Location: 93A **Begin: 0.00** **End: 7.57** **From:01/01/2010** **To:12/31/2014**

SH 93A - US 6 to SH 72 - non-intersection crashes

Vehicle Type	Veh 1	Veh 2	Veh 3
Passenger Car/Van:	159	109	21
Passenger Car/Van w/Trl:	1	0	0
Pickup Truck/Utility Van:	37	30	8
Pickup Truck/Utility Van w/Trl:	6	0	1
SUV:	97	56	12
SUV w/Trl:	0	1	0
Truck 10k lbs or Less:	0	0	0
Trucks > 10k lbs/Bus > 15 People:	3	3	0
School Bus < 15 People:	1	0	0
Non School Bus < 15 People:	0	1	0
Motorhome:	0	0	0
Motorcycle:	14	4	0
Bicycle:	0	0	0
Motorized Bicycle:	0	0	0
Farm Equipment:	0	0	0
Hit and Run - Unknown:	2	1	0
Other:	2	2	0
Unknown:	0	0	0
Total:	322	207	42

Vehicle Movement	Veh 1	Veh 2	Veh 3
Going Straight:	231	70	12
Slowing:	22	49	9
Stopped in Traffic:	2	80	20
Making Right Turn:	0	0	0
Making Left Turn:	2	0	0
Making U-Turn:	7	0	0
Passing:	6	1	0
Backing:	2	0	0
Enter/Leave Parked Position:	0	0	0
Starting in Traffic:	0	0	0
Parked:	0	3	0
Changing Lanes:	10	1	0
Avoiding Object/Veh in Road:	2	2	0
Weaving:	3	0	0
Other:	33	1	1
Unknown:	2	0	0
Total:	322	207	42

Contributing Factor	Veh 1	Veh 2	Veh 3
No Apparent Contributing Factor:	174	201	42
Asleep at the Wheel:	6	1	0
Illness:	0	0	0
Distracted by Passenger:	9	0	0
Driver Inexperience:	17	0	0
Driver Fatigue:	1	0	0
Driver Preoccupied:	39	1	0
Driver Unfamiliar with Area:	4	3	0
Driver Emotionally Upset:	8	0	0
Evading Law Enforcement Officer:	1	0	0
Physical Disability:	0	0	0
Unknown:	63	1	0
Total:	322	207	42

Direction	Veh 1	Veh 2	Veh 3
North:	118	66	10
Northeast:	0	0	0
East:	2	0	0
Southeast:	5	4	2
South:	187	131	29
Southwest:	1	1	1
West:	0	0	0
Northwest:	9	5	0
Unknown:	0	0	0
Total:	322	207	42

Condition of Driver	Veh 1	Veh 2	Veh 3
No Impairment Suspected:	312	206	42
Alcohol Involved:	6	1	0
RX, Medication, or Drugs Involved:	1	0	0
Illegal Drugs Involved:	0	0	0
Alcohol and Drugs Involved:	3	0	0
Driver/Pedestrian not Observed:	0	0	0
Unknown:	0	0	0
Total:	322	207	42

ADT: 19,915 **Length: 8.25**

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User: Devin on DESIGN21

Detailed Summaries for Table 1



Colorado Department of Transportation
DiExSys™ Roadway Safety Systems
Detailed Summary of Crashes Report

05/12/2016

Job #: 20160512142611

Location: 93A Begin: 7.57 End: 11.78 From:01/01/2010 To:12/31/2014

SH 93A - SH 72 to SH 128 - non-intersection crashes

Severity	
PDO:	102
INJ:	44 78 :Injured
FAT:	4 5 :Killed
Total:	150

Number of Vehicles	
One Vehicle:	79
Two Vehicles:	52
Three or More:	19
Unknown:	0
Total:	150

Location	
On Road:	89
Off Road Left:	21
Off Road Right:	39
Off Road at Tee:	0
Off in Median:	1
Unknown:	0
Total:	150

Lighting Conditions	
Daylight:	83
Dawn or Dusk:	7
Dark - Lighted:	3
Dark - Unlighted:	57
Unknown:	0
Total:	150

Weather Conditions	
None:	85
Rain:	0
Snow/Sleet/Hail:	45
Fog:	0
Dust:	0
Wind:	13
Unknown:	7
Total:	150

Crash Rates	
PDO:	0.78* * MVMT
INJ:	0.34* ** 100 MVMT
FAT:	3.05**
Total:	1.14*

Crash Type	
Overtuning:	14
Other Non Collision:	0
Pedestrians:	0
Broadside:	0
Head On:	16
Rear End:	37
Sideswipe (Same):	3
Sideswipe (Opposite):	9
Approach Turn:	0
Overtaking Turn:	0
Parked Motor Vehicle:	2
Railway Vehicle:	0
Bicycle:	0
Motorized Bicycle:	0
Domestic Animal:	0
Wild Animal:	21
Light/Utility Pole:	1
Traffic Signal Pole:	2
Sign:	4
Bridge Rail:	0
Guard Rail:	8
Cable Rail:	0
Concrete Barrier:	0
Bridge Abutment:	0
Column/Pier:	0
Culvert/Headwall:	0
Embankment:	11
Curb:	0
Delineator Post:	3
Fence:	15
Tree:	0
Large Boulders or Rocks:	0
Barricade:	1
Wall/Building:	0
Crash Cushion:	0
Mailbox:	0
Other Fixed Object:	0
Total Fixed Objects:	45
Rocks in Roadway:	0
Vehicle Cargo/Debris:	3
Road Maintenance Equipment:	0
Involving Other Object:	0
Total Other Objects:	3
Unknown:	0
Total:	150

Mainline/Ramps/Frontage Roads	
Mainline:	150
Crossroad (A):	0
Ramps	
B: 0 F: 0 J: 0	
C: 0 G: 0 K: 0	
D: 0 H: 0 L: 0	
E: 0 I: 0	
Frontage/Ramp Intersections	
M: 0 N: 0 O: 0 P: 0	
Left Frontage Rd (L):	0
Rt Frontage Rd (R):	0
HOV Lanes (V):	0
Unknown:	0
Total:	150

Road Description	
At Intersection:	0
At Driveway Access:	0
Intersection Related:	0
Non Intersection:	150
In Alley:	0
Roundabout:	0
Ramp:	0
Parking Lot:	0
Unknown:	0
Total:	150

Road Conditions	
Dry:	84
Wet:	5
Muddy:	0
Snowy:	22
Icy:	29
Slushy:	3
Foreign Material:	0
With Road Treatment:	0
Dry w/Icy Road Treatment:	0
Wet w/Icy Road Treatment:	0
Snowy w/Icy Road Treatment:	1
Icy w/Icy Road Treatment:	2
Slushy w/Icy Road Treatment:	1
Unknown:	3
Total:	150

ADT: 16,400 Length: 4.38



Colorado Department of Transportation
DiExSys™ Roadway Safety Systems
Detailed Summary of Crashes Report

05/12/2016

Job #: 20160512142611

Location: 93A **Begin: 7.57** **End: 11.78** **From:01/01/2010** **To:12/31/2014**

SH 93A - SH 72 to SH 128 - non-intersection crashes

Vehicle Type	Veh 1	Veh 2	Veh 3
Passenger Car/Van:	73	39	11
Passenger Car/Van w/Trl:	1	0	0
Pickup Truck/Utility Van:	18	10	2
Pickup Truck/Utility Van w/Trl:	0	0	0
SUV:	50	20	6
SUV w/Trl:	0	0	0
Truck 10k lbs or Less:	0	0	0
Trucks > 10k lbs/Bus > 15 People:	2	0	0
School Bus < 15 People:	0	0	0
Non School Bus < 15 People:	0	0	0
Motorhome:	0	0	0
Motorcycle:	3	1	0
Bicycle:	0	0	0
Motorized Bicycle:	0	0	0
Farm Equipment:	0	0	0
Hit and Run - Unknown:	3	0	0
Other:	0	1	0
Unknown:	0	0	0
Total:	150	71	19

Vehicle Movement	Veh 1	Veh 2	Veh 3
Going Straight:	90	25	6
Slowing:	4	14	2
Stopped in Traffic:	0	23	9
Making Right Turn:	2	0	0
Making Left Turn:	0	0	0
Making U-Turn:	0	0	0
Passing:	2	1	0
Backing:	0	0	0
Enter/Leave Parked Position:	0	0	0
Starting in Traffic:	0	0	0
Parked:	0	2	0
Changing Lanes:	0	0	0
Avoiding Object/Veh in Road:	4	4	2
Weaving:	3	0	0
Other:	45	2	0
Unknown:	0	0	0
Total:	150	71	19

Contributing Factor	Veh 1	Veh 2	Veh 3
No Apparent Contributing Factor:	86	70	19
Asleep at the Wheel:	3	0	0
Illness:	1	0	0
Distracted by Passenger:	6	0	0
Driver Inexperience:	6	0	0
Driver Fatigue:	0	0	0
Driver Preoccupied:	23	0	0
Driver Unfamiliar with Area:	2	1	0
Driver Emotionally Upset:	1	0	0
Evading Law Enforcement Officer:	1	0	0
Physical Disability:	0	0	0
Unknown:	21	0	0
Total:	150	71	19

Direction	Veh 1	Veh 2	Veh 3
North:	86	42	11
Northeast:	0	0	0
East:	0	0	0
Southeast:	0	0	0
South:	63	29	8
Southwest:	0	0	0
West:	0	0	0
Northwest:	0	0	0
Unknown:	1	0	0
Total:	150	71	19

Condition of Driver	Veh 1	Veh 2	Veh 3
No Impairment Suspected:	143	71	19
Alcohol Involved:	5	0	0
RX, Medication, or Drugs Involved:	2	0	0
Illegal Drugs Involved:	0	0	0
Alcohol and Drugs Involved:	0	0	0
Driver/Pedestrian not Observed:	0	0	0
Unknown:	0	0	0
Total:	150	71	19

ADT: 16,400 **Length: 4.38**

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User: Devin on DESIGN21

Detailed Summaries for Table 1



Colorado Department of Transportation
DiExSys™ Roadway Safety Systems
Detailed Summary of Crashes Report

05/12/2016

Job #: 20160512145856

Location: 93A **Begin: 11.79** **End: 13.63** **From:01/01/2010** **To:12/31/2014**

SH 93A - SH 128A to SH 170A - non-intersection crashes

Severity	
PDO:	39
INJ:	17 24 :Injured
FAT:	1 1 :Killed
Total:	57

Number of Vehicles	
One Vehicle:	26
Two Vehicles:	26
Three or More:	5
Unknown:	0
Total:	57

Location	
On Road:	40
Off Road Left:	4
Off Road Right:	13
Off Road at Tee:	0
Off in Median:	0
Unknown:	0
Total:	57

Lighting Conditions	
Daylight:	35
Dawn or Dusk:	4
Dark - Lighted:	1
Dark - Unlighted:	17
Unknown:	0
Total:	57

Weather Conditions	
None:	34
Rain:	3
Snow/Sleet/Hail:	9
Fog:	1
Dust:	0
Wind:	7
Unknown:	3
Total:	57

Crash Rates	
PDO:	0.72* * MVMT
INJ:	0.32* ** 100 MVMT
FAT:	1.85**
Total:	1.06*

Crash Type	
Overtuning:	5
Other Non Collision:	0
Pedestrians:	0
Broadside:	0
Head On:	3
Rear End:	17
Sideswipe (Same):	3
Sideswipe (Opposite):	5
Approach Turn:	0
Overtaking Turn:	0
Parked Motor Vehicle:	3
Railway Vehicle:	0
Bicycle:	0
Motorized Bicycle:	0
Domestic Animal:	0
Wild Animal:	10
Light/Utility Pole:	1
Traffic Signal Pole:	0
Sign:	2
Bridge Rail:	0
Guard Rail:	1
Cable Rail:	0
Concrete Barrier:	1
Bridge Abutment:	0
Column/Pier:	0
Culvert/Headwall:	0
Embankment:	2
Curb:	0
Delineator Post:	1
Fence:	2
Tree:	0
Large Boulders or Rocks:	0
Barricade:	0
Wall/Building:	0
Crash Cushion:	0
Mailbox:	0
Other Fixed Object:	1
Total Fixed Objects:	11
Rocks in Roadway:	0
Vehicle Cargo/Debris:	0
Road Maintenance Equipment:	0
Involving Other Object:	0
Total Other Objects:	0
Unknown:	0
Total:	57

Mainline/Ramps/Frontage Roads	
Mainline:	57
Crossroad (A):	0
Ramps	
B: 0 F: 0 J: 0	
C: 0 G: 0 K: 0	
D: 0 H: 0 L: 0	
E: 0 I: 0	
Frontage/Ramp Intersections	
M: 0 N: 0 O: 0 P: 0	
Left Frontage Rd (L):	0
Rt Frontage Rd (R):	0
HOV Lanes (V):	0
Unknown:	0
Total:	57

Road Description	
At Intersection:	0
At Driveway Access:	0
Intersection Related:	0
Non Intersection:	57
In Alley:	0
Roundabout:	0
Ramp:	0
Parking Lot:	0
Unknown:	0
Total:	57

Road Conditions	
Dry:	37
Wet:	4
Muddy:	0
Snowy:	7
Icy:	5
Slushy:	2
Foreign Material:	0
With Road Treatment:	0
Dry w/Icy Road Treatment:	0
Wet w/Icy Road Treatment:	0
Snowy w/Icy Road Treatment:	2
Icy w/Icy Road Treatment:	0
Slushy w/Icy Road Treatment:	0
Unknown:	0
Total:	57

ADT: 16,200 **Length: 1.82**



Colorado Department of Transportation
DiExSys™ Roadway Safety Systems
Detailed Summary of Crashes Report

05/12/2016

Job #: 20160512145856

Location: 93A **Begin: 11.79** **End: 13.63** **From:01/01/2010** **To:12/31/2014**

SH 93A - SH 128A to SH 170A - non-intersection crashes

Vehicle Type	Veh 1	Veh 2	Veh 3
Passenger Car/Van:	28	14	1
Passenger Car/Van w/Trl:	0	0	0
Pickup Truck/Utility Van:	10	1	1
Pickup Truck/Utility Van w/Trl:	2	2	0
SUV:	14	13	2
SUV w/Trl:	0	0	0
Truck 10k lbs or Less:	0	0	0
Trucks > 10k lbs/Bus > 15 People:	1	0	0
School Bus < 15 People:	0	0	0
Non School Bus < 15 People:	0	0	0
Motorhome:	0	0	0
Motorcycle:	2	1	0
Bicycle:	0	0	0
Motorized Bicycle:	0	0	0
Farm Equipment:	0	0	0
Hit and Run - Unknown:	0	0	0
Other:	0	0	0
Unknown:	0	0	1
Total:	57	31	5

Vehicle Movement	Veh 1	Veh 2	Veh 3
Going Straight:	38	11	1
Slowing:	3	6	2
Stopped in Traffic:	0	10	2
Making Right Turn:	0	0	0
Making Left Turn:	0	0	0
Making U-Turn:	0	0	0
Passing:	0	0	0
Backing:	0	0	0
Enter/Leave Parked Position:	0	0	0
Starting in Traffic:	0	0	0
Parked:	0	3	0
Changing Lanes:	1	0	0
Avoiding Object/Veh in Road:	1	0	0
Weaving:	1	0	0
Other:	13	1	0
Unknown:	0	0	0
Total:	57	31	5

Contributing Factor	Veh 1	Veh 2	Veh 3
No Apparent Contributing Factor:	31	30	5
Asleep at the Wheel:	0	0	0
Illness:	3	0	0
Distracted by Passenger:	0	0	0
Driver Inexperience:	6	0	0
Driver Fatigue:	0	0	0
Driver Preoccupied:	10	0	0
Driver Unfamiliar with Area:	0	0	0
Driver Emotionally Upset:	1	0	0
Evading Law Enforcement Officer:	0	0	0
Physical Disability:	0	0	0
Unknown:	6	1	0
Total:	57	31	5

Direction	Veh 1	Veh 2	Veh 3
North:	35	16	4
Northeast:	0	0	0
East:	0	0	0
Southeast:	0	0	0
South:	22	15	1
Southwest:	0	0	0
West:	0	0	0
Northwest:	0	0	0
Unknown:	0	0	0
Total:	57	31	5

Condition of Driver	Veh 1	Veh 2	Veh 3
No Impairment Suspected:	51	31	5
Alcohol Involved:	5	0	0
RX, Medication, or Drugs Involved:	0	0	0
Illegal Drugs Involved:	0	0	0
Alcohol and Drugs Involved:	1	0	0
Driver/Pedestrian not Observed:	0	0	0
Unknown:	0	0	0
Total:	57	31	5

ADT: 16,200 **Length: 1.82**

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User: Devin on DESIGN21

Detailed Summaries for Table 1



Colorado Department of Transportation
 DiExSys™ Roadway Safety Systems
 Detailed Summary of Crashes Report

05/12/2016

Job #: 20160512155127

Location: 6G Begin: 274.60 End: 274.70 From: 01/01/2010 To: 12/31/2014

Johnson Rd

Severity

PDO: 60
 INJ: 15 25 :Injured
 FAT: 0 0 :Killed

Total: 75

Number of Vehicles

One Vehicle: 4
 Two Vehicles: 68
 Three or More: 3
 Unknown: 0

Total: 75

Location

On Road: 72
 Off Road Left: 2
 Off Road Right: 1
 Off Road at Tee: 0
 Off in Median: 0
 Unknown: 0

Total: 75

Lighting Conditions

Daylight: 59
 Dawn or Dusk: 2
 Dark - Lighted: 12
 Dark - Unlighted: 2
 Unknown: 0

Total: 75

Weather Conditions

None: 68
 Rain: 4
 Snow/Sleet/Hail: 3
 Fog: 0
 Dust: 0
 Wind: 0
 Unknown: 0

Total: 75

Crash Rates

PDO: 9.32* * MVMT
 INJ: 2.33* ** 100 MVMT
 FAT: 0.00** **Total: 11.65***

Crash Type

Overturing: 1	Bridge Abutment: 0
Other Non Collision: 0	Column/Pier: 0
Pedestrians: 0	Culvert/Headwall: 0
Broadside: 4	Embankment: 0
Head On: 0	Curb: 1
Rear End: 56	Delineator Post: 0
Sideswipe (Same): 7	Fence: 0
Sideswipe (Opposite): 0	Tree: 0
Approach Turn: 1	Large Boulders or Rocks: 0
Overtaking Turn: 1	Barricade: 0
Parked Motor Vehicle: 0	Wall/Building: 0
Railway Vehicle: 0	Crash Cushion: 0
Bicycle: 0	Mailbox: 0
Motorized Bicycle: 0	Other Fixed Object: 0
Domestic Animal: 0	Total Fixed Objects: 3
Wild Animal: 0	Rocks in Roadway: 0
Light/Utility Pole: 0	Vehicle Cargo/Debris: 2
Traffic Signal Pole: 0	Road Maintenance Equipment: 0
Sign: 1	Involving Other Object: 0
Bridge Rail: 0	Total Other Objects: 2
Guard Rail: 0	Unknown: 0
Cable Rail: 1	Total: 75
Concrete Barrier: 0	

Mainline/Ramps/Frontage Roads

Mainline: 75
 Crossroad (A): 0

Frontage/Ramp Intersections

M: 0 N: 0 O: 0 P: 0

Ramps

B: 0 F: 0 J: 0
 C: 0 G: 0 K: 0
 D: 0 H: 0 L: 0
 E: 0 I: 0

Left Frontage Rd (L): 0
 Rt Frontage Rd (R): 0
 HOV Lanes (V): 0

Unknown: 0

Total: 75

Road Description

At Intersection: 43
 At Driveway Access: 0
 Intersection Related: 32
 Non Intersection: 0
 In Alley: 0
 Roundabout: 0
 Ramp: 0
 Parking Lot: 0
 Unknown: 0

Total: 75

Road Conditions

Dry: 62
 Wet: 4
 Muddy: 0
 Snowy: 2
 Icy: 3
 Slushy: 1
 Foreign Material: 0
 With Road Treatment: 0
 Dry w/Icy Road Treatment: 0
 Wet w/Icy Road Treatment: 0
 Snowy w/Icy Road Treatment: 0
 Icy w/Icy Road Treatment: 0
 Slushy w/Icy Road Treatment: 0
 Unknown: 3

Total: 75

ADT: 37,097 Length: 0.09



Colorado Department of Transportation
DiExSys™ Roadway Safety Systems
Detailed Summary of Crashes Report

05/12/2016

Job #: 20160512155127

Location: 6G **Begin: 274.60** **End: 274.70** **From: 01/01/2010** **To: 12/31/2014**

Johnson Rd

Vehicle Type	Veh 1	Veh 2	Veh 3	Vehicle Movement	Veh 1	Veh 2	Veh 3
Passenger Car/Van:	34	44	1	Going Straight:	37	15	2
Passenger Car/Van w/Trl:	0	0	0	Slowing:	10	11	0
Pickup Truck/Utility Van:	13	3	0	Stopped in Traffic:	6	36	1
Pickup Truck/Utility Van w/Trl:	0	0	0	Making Right Turn:	5	3	0
SUV:	24	22	2	Making Left Turn:	6	3	0
SUV w/Trl:	0	0	0	Making U-Turn:	1	1	0
Truck 10k lbs or Less:	0	0	0	Passing:	0	0	0
Trucks > 10k lbs/Bus > 15 People:	3	2	0	Backing:	7	0	0
School Bus < 15 People:	0	0	0	Enter/Leave Parked Position:	1	0	0
Non School Bus < 15 People:	0	0	0	Starting in Traffic:	0	0	0
Motorhome:	0	0	0	Parked:	0	0	0
Motorcycle:	1	0	0	Changing Lanes:	1	0	0
Bicycle:	0	0	0	Avoiding Object/Veh in Road:	0	1	0
Motorized Bicycle:	0	0	0	Weaving:	0	0	0
Farm Equipment:	0	0	0	Other:	1	1	0
Hit and Run - Unknown:	0	0	0	Unknown:	0	0	0
Other:	0	0	0				
Unknown:	0	0	0	Total:	75	71	3
Total:	75	71	3				

Contributing Factor	Veh 1	Veh 2	Veh 3	Direction	Veh 1	Veh 2	Veh 3
No Apparent Contributing Factor:	32	67	3	North:	4	6	0
Asleep at the Wheel:	0	1	0	Northeast:	0	0	0
Illness:	1	0	0	East:	32	30	3
Distracted by Passenger:	3	0	0	Southeast:	0	0	0
Driver Inexperience:	0	0	0	South:	13	12	0
Driver Fatigue:	1	0	0	Southwest:	1	0	0
Driver Preoccupied:	15	0	0	West:	25	23	0
Driver Unfamiliar with Area:	6	1	0	Northwest:	0	0	0
Driver Emotionally Upset:	4	1	0	Unknown:	0	0	0
Evading Law Enforcement Officer:	0	0	0	Total:	75	71	3
Physical Disability:	0	0	0				
Unknown:	13	1	0				
Total:	75	71	3				

Condition of Driver	Veh 1	Veh 2	Veh 3
No Impairment Suspected:	72	71	3
Alcohol Involved:	2	0	0
RX, Medication, or Drugs Involved:	1	0	0
Illegal Drugs Involved:	0	0	0
Alcohol and Drugs Involved:	0	0	0
Driver/Pedestrian not Observed:	0	0	0
Unknown:	0	0	0
Total:	75	71	3

ADT: 37,097 **Length: 0.09**

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User: Devin on DESIGN21

Detailed Summaries for Table 2



Colorado Department of Transportation
DiExSys™ Roadway Safety Systems
Detailed Summary of Crashes Report

05/12/2016

Job #: 20160512154322

Location: 6G **Begin: 273.91** **End: 274.01** **From: 01/01/2010** **To: 12/31/2014**

Jefferson County Pkwy

Severity	
PDO:	62
INJ:	14 20 :Injured
FAT:	0 0 :Killed
Total:	76

Number of Vehicles	
One Vehicle:	5
Two Vehicles:	61
Three or More:	10
Unknown:	0
Total:	76

Location	
On Road:	74
Off Road Left:	1
Off Road Right:	1
Off Road at Tee:	0
Off in Median:	0
Unknown:	0
Total:	76

Lighting Conditions	
Daylight:	67
Dawn or Dusk:	1
Dark - Lighted:	6
Dark - Unlighted:	2
Unknown:	0
Total:	76

Weather Conditions	
None:	69
Rain:	3
Snow/Sleet/Hail:	3
Fog:	0
Dust:	0
Wind:	1
Unknown:	0
Total:	76

Crash Rates	
PDO:	9.51 * * MVMT
INJ:	2.15 * ** 100 MVMT
FAT:	0.00 **
Total:	11.65 *

Crash Type	
Overtuning:	0
Other Non Collision:	0
Pedestrians:	0
Broadside:	4
Head On:	0
Rear End:	50
Sideswipe (Same):	2
Sideswipe (Opposite):	0
Approach Turn:	14
Overtaking Turn:	1
Parked Motor Vehicle:	0
Railway Vehicle:	0
Bicycle:	0
Motorized Bicycle:	0
Domestic Animal:	0
Wild Animal:	3
Light/Utility Pole:	0
Traffic Signal Pole:	0
Sign:	0
Bridge Rail:	0
Guard Rail:	0
Cable Rail:	0
Concrete Barrier:	1
Bridge Abutment:	0
Column/Pier:	0
Culvert/Headwall:	0
Embankment:	0
Curb:	0
Delineator Post:	1
Fence:	0
Tree:	0
Large Boulders or Rocks:	0
Barricade:	0
Wall/Building:	0
Crash Cushion:	0
Mailbox:	0
Other Fixed Object:	0
Total Fixed Objects:	2
Rocks in Roadway:	0
Vehicle Cargo/Debris:	0
Road Maintenance Equipment:	0
Involving Other Object:	0
Total Other Objects:	0
Unknown:	0
Total:	76

Mainline/Ramps/Frontage Roads	
Mainline:	76
Crossroad (A):	0
Ramps	
B: 0 F: 0 J: 0	
C: 0 G: 0 K: 0	
D: 0 H: 0 L: 0	
E: 0 I: 0	
Frontage/Ramp Intersections	
M: 0 N: 0 O: 0 P: 0	
Left Frontage Rd (L):	0
Rt Frontage Rd (R):	0
HOV Lanes (V):	0
Unknown:	0
Total:	76

Road Description	
At Intersection:	53
At Driveway Access:	0
Intersection Related:	23
Non Intersection:	0
In Alley:	0
Roundabout:	0
Ramp:	0
Parking Lot:	0
Unknown:	0
Total:	76

Road Conditions	
Dry:	62
Wet:	8
Muddy:	0
Snowy:	1
Icy:	5
Slushy:	0
Foreign Material:	0
With Road Treatment:	0
Dry w/Icy Road Treatment:	0
Wet w/Icy Road Treatment:	0
Snowy w/Icy Road Treatment:	0
Icy w/Icy Road Treatment:	0
Slushy w/Icy Road Treatment:	0
Unknown:	0
Total:	76

ADT: 37,200 **Length: 0.09**



Colorado Department of Transportation
DiExSys™ Roadway Safety Systems
Detailed Summary of Crashes Report

05/12/2016

Job #: 20160512154322

Location: 6G **Begin: 273.91** **End: 274.01** **From: 01/01/2010** **To: 12/31/2014**

Jefferson County Pkwy

Vehicle Type	Veh 1	Veh 2	Veh 3	Vehicle Movement	Veh 1	Veh 2	Veh 3
Passenger Car/Van:	37	45	5	Going Straight:	41	18	3
Passenger Car/Van w/Trl:	0	0	0	Slowing:	10	10	0
Pickup Truck/Utility Van:	14	5	1	Stopped in Traffic:	2	33	6
Pickup Truck/Utility Van w/Trl:	0	1	0	Making Right Turn:	5	2	0
SUV:	21	17	4	Making Left Turn:	14	8	1
SUV w/Trl:	0	0	0	Making U-Turn:	0	0	0
Truck 10k lbs or Less:	0	0	0	Passing:	0	0	0
Trucks > 10k lbs/Bus > 15 People:	2	0	0	Backing:	2	0	0
School Bus < 15 People:	0	0	0	Enter/Leave Parked Position:	0	0	0
Non School Bus < 15 People:	0	1	0	Starting in Traffic:	0	0	0
Motorhome:	0	0	0	Parked:	0	0	0
Motorcycle:	0	2	0	Changing Lanes:	0	0	0
Bicycle:	0	0	0	Avoiding Object/Veh in Road:	0	0	0
Motorized Bicycle:	0	0	0	Weaving:	0	0	0
Farm Equipment:	0	0	0	Other:	2	0	0
Hit and Run - Unknown:	1	0	0	Unknown:	0	0	0
Other:	1	0	0				
Unknown:	0	0	0	Total:	76	71	10
Total:	76	71	10				

Contributing Factor	Veh 1	Veh 2	Veh 3	Direction	Veh 1	Veh 2	Veh 3
No Apparent Contributing Factor:	39	69	10	North:	9	7	1
Asleep at the Wheel:	0	0	0	Northeast:	2	1	0
Illness:	0	0	0	East:	20	16	3
Distracted by Passenger:	0	0	0	Southeast:	5	3	1
Driver Inexperience:	0	0	0	South:	8	6	0
Driver Fatigue:	0	0	0	Southwest:	1	2	0
Driver Preoccupied:	10	1	0	West:	21	24	2
Driver Unfamiliar with Area:	2	0	0	Northwest:	10	12	3
Driver Emotionally Upset:	3	0	0	Unknown:	0	0	0
Evading Law Enforcement Officer:	0	0	0	Total:	76	71	10
Physical Disability:	0	0	0				
Unknown:	22	1	0				
Total:	76	71	10				

Condition of Driver	Veh 1	Veh 2	Veh 3
No Impairment Suspected:	74	71	10
Alcohol Involved:	1	0	0
RX, Medication, or Drugs Involved:	1	0	0
Illegal Drugs Involved:	0	0	0
Alcohol and Drugs Involved:	0	0	0
Driver/Pedestrian not Observed:	0	0	0
Unknown:	0	0	0
Total:	76	71	10

ADT: 37,200 **Length: 0.09**

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Detailed Summaries for Table 2



Colorado Department of Transportation
DiExSys™ Roadway Safety Systems
Detailed Summary of Crashes Report

05/12/2016

Job #: 20160512153542

Location: 6G Begin: 272.62 End: 272.66 From: 01/01/2010 To: 12/31/2014

19th St Intersection Crashes 2010-2014

Severity	
PDO:	49
INJ:	12 15 :Injured
FAT:	0 0 :Killed
Total:	61

Number of Vehicles	
One Vehicle:	4
Two Vehicles:	53
Three or More:	4
Unknown:	0
Total:	61

Location	
On Road:	59
Off Road Left:	1
Off Road Right:	1
Off Road at Tee:	0
Off in Median:	0
Unknown:	0
Total:	61

Lighting Conditions	
Daylight:	49
Dawn or Dusk:	2
Dark - Lighted:	10
Dark - Unlighted:	0
Unknown:	0
Total:	61

Weather Conditions	
None:	56
Rain:	1
Snow/Sleet/Hail:	3
Fog:	0
Dust:	0
Wind:	1
Unknown:	0
Total:	61

Crash Rates	
PDO:	22.30* * MVMT
INJ:	5.46* ** 100 MVMT
FAT:	0.00**
Total:	27.77*

Crash Type	
Overtuning:	0
Other Non Collision:	0
Pedestrians:	0
Broadside:	1
Head On:	0
Rear End:	40
Sideswipe (Same):	3
Sideswipe (Opposite):	1
Approach Turn:	8
Overtaking Turn:	0
Parked Motor Vehicle:	0
Railway Vehicle:	0
Bicycle:	4
Motorized Bicycle:	0
Domestic Animal:	0
Wild Animal:	1
Light/Utility Pole:	0
Traffic Signal Pole:	0
Sign:	1
Bridge Rail:	0
Guard Rail:	0
Cable Rail:	0
Concrete Barrier:	0
Bridge Abutment:	0
Column/Pier:	0
Culvert/Headwall:	0
Embankment:	0
Curb:	1
Delineator Post:	0
Fence:	0
Tree:	0
Large Boulders or Rocks:	0
Barricade:	0
Wall/Building:	0
Crash Cushion:	0
Mailbox:	0
Other Fixed Object:	0
Total Fixed Objects:	2
Rocks in Roadway:	0
Vehicle Cargo/Debris:	0
Road Maintenance Equipment:	0
Involving Other Object:	1
Total Other Objects:	1
Unknown:	0
Total:	61

Mainline/Ramps/Frontage Roads	
Mainline:	61
Crossroad (A):	0
Ramps	
B: 0 F: 0 J: 0	
C: 0 G: 0 K: 0	
D: 0 H: 0 L: 0	
E: 0 I: 0	
Frontage/Ramp Intersections	
M: 0 N: 0 O: 0 P: 0	
Left Frontage Rd (L):	0
Rt Frontage Rd (R):	0
HOV Lanes (V):	0
Unknown:	0
Total:	61

Road Description	
At Intersection:	45
At Driveway Access:	0
Intersection Related:	16
Non Intersection:	0
In Alley:	0
Roundabout:	0
Ramp:	0
Parking Lot:	0
Unknown:	0
Total:	61

Road Conditions	
Dry:	55
Wet:	2
Muddy:	0
Snowy:	3
Icy:	1
Slushy:	0
Foreign Material:	0
With Road Treatment:	0
Dry w/Icy Road Treatment:	0
Wet w/Icy Road Treatment:	0
Snowy w/Icy Road Treatment:	0
Icy w/Icy Road Treatment:	0
Slushy w/Icy Road Treatment:	0
Unknown:	0
Total:	61

ADT: 31,660 Length: 0.03



Colorado Department of Transportation
DiExSys™ Roadway Safety Systems
Detailed Summary of Crashes Report

05/12/2016

Job #: 20160512153542

Location: 6G **Begin: 272.62** **End: 272.66** **From: 01/01/2010** **To: 12/31/2014**

19th St Intersection Crashes 2010-2014

Vehicle Type	Veh 1	Veh 2	Veh 3
Passenger Car/Van:	31	33	2
Passenger Car/Van w/Trl:	0	0	0
Pickup Truck/Utility Van:	7	4	0
Pickup Truck/Utility Van w/Trl:	1	0	0
SUV:	18	13	2
SUV w/Trl:	0	0	0
Truck 10k lbs or Less:	0	0	0
Trucks > 10k lbs/Bus > 15 People:	1	0	0
School Bus < 15 People:	0	1	0
Non School Bus < 15 People:	0	0	0
Motorhome:	0	0	0
Motorcycle:	0	1	0
Bicycle:	0	4	0
Motorized Bicycle:	0	1	0
Farm Equipment:	0	0	0
Hit and Run - Unknown:	3	0	0
Other:	0	0	0
Unknown:	0	0	0
Total:	61	57	4

Vehicle Movement	Veh 1	Veh 2	Veh 3
Going Straight:	22	14	0
Slowing:	6	5	1
Stopped in Traffic:	1	28	3
Making Right Turn:	12	7	0
Making Left Turn:	14	2	0
Making U-Turn:	1	0	0
Passing:	0	0	0
Backing:	3	0	0
Enter/Leave Parked Position:	0	0	0
Starting in Traffic:	0	0	0
Parked:	0	0	0
Changing Lanes:	1	0	0
Avoiding Object/Veh in Road:	0	0	0
Weaving:	0	0	0
Other:	1	1	0
Unknown:	0	0	0
Total:	61	57	4

Contributing Factor	Veh 1	Veh 2	Veh 3
No Apparent Contributing Factor:	30	55	4
Asleep at the Wheel:	0	0	0
Illness:	1	0	0
Distracted by Passenger:	3	0	0
Driver Inexperience:	1	0	0
Driver Fatigue:	0	0	0
Driver Preoccupied:	12	2	0
Driver Unfamiliar with Area:	3	0	0
Driver Emotionally Upset:	2	0	0
Evading Law Enforcement Officer:	0	0	0
Physical Disability:	0	0	0
Unknown:	9	0	0
Total:	61	57	4

Direction	Veh 1	Veh 2	Veh 3
North:	4	8	2
Northeast:	6	8	0
East:	14	15	0
Southeast:	7	5	1
South:	5	1	0
Southwest:	4	2	0
West:	14	10	1
Northwest:	7	8	0
Unknown:	0	0	0
Total:	61	57	4

Condition of Driver	Veh 1	Veh 2	Veh 3
No Impairment Suspected:	59	57	4
Alcohol Involved:	2	0	0
RX, Medication, or Drugs Involved:	0	0	0
Illegal Drugs Involved:	0	0	0
Alcohol and Drugs Involved:	0	0	0
Driver/Pedestrian not Observed:	0	0	0
Unknown:	0	0	0
Total:	61	57	4

ADT: 31,660 **Length: 0.03**

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Colorado Department of Transportation
DiExSys™ Roadway Safety Systems
Detailed Summary of Crashes Report

05/12/2016

Job #: 20160512151948

Location: 6G 58A/93A Begin: 271.58 End: 271.62 From: 01/01/2010 To: 12/31/2014

US 6 @ SH 93/SH 58

Severity

PDO: 54
 INJ: 10 15 :Injured
 FAT: 0 0 :Killed

Total: 64

Number of Vehicles

One Vehicle: 5
 Two Vehicles: 54
 Three or More: 5
 Unknown: 0

Total: 64

Location

On Road: 61
 Off Road Left: 1
 Off Road Right: 2
 Off Road at Tee: 0
 Off in Median: 0
 Unknown: 0

Total: 64

Lighting Conditions

Daylight: 47
 Dawn or Dusk: 3
 Dark - Lighted: 11
 Dark - Unlighted: 3
 Unknown: 0

Total: 64

Weather Conditions

None: 57
 Rain: 1
 Snow/Sleet/Hail: 4
 Fog: 0
 Dust: 0
 Wind: 2
 Unknown: 0

Total: 64

Crash Rates

PDO: 32.30* * MVMT
 INJ: 5.98* ** 100 MVMT
 FAT: 0.00** **Total: 38.28***

Crash Type

Overtuning: 0	Bridge Abutment: 0
Other Non Collision: 1	Column/Pier: 0
Pedestrians: 0	Culvert/Headwall: 0
Broadside: 6	Embankment: 0
Head On: 0	Curb: 2
Rear End: 38	Delineator Post: 0
Sideswipe (Same): 6	Fence: 0
Sideswipe (Opposite): 0	Tree: 0
Approach Turn: 8	Large Boulders or Rocks: 0
Overtaking Turn: 0	Barricade: 0
Parked Motor Vehicle: 0	Wall/Building: 0
Railway Vehicle: 0	Crash Cushion: 0
Bicycle: 0	Mailbox: 0
Motorized Bicycle: 0	Other Fixed Object: 0
Domestic Animal: 0	Total Fixed Objects: 3
Wild Animal: 2	Rocks in Roadway: 0
Light/Utility Pole: 0	Vehicle Cargo/Debris: 0
Traffic Signal Pole: 0	Road Maintenance Equipment: 0
Sign: 1	Involving Other Object: 0
Bridge Rail: 0	Total Other Objects: 0
Guard Rail: 0	Unknown: 0
Cable Rail: 0	
Concrete Barrier: 0	

Total: 64

Mainline/Ramps/Frontage Roads

Mainline: 64	Frontage/Ramp Intersections
Crossroad (A): 0	M: 0 N: 0 O: 0 P: 0

Ramps

B: 0 F: 0 J: 0	Left Frontage Rd (L): 0
C: 0 G: 0 K: 0	Rt Frontage Rd (R): 0
D: 0 H: 0 L: 0	HOV Lanes (V): 0
E: 0 I: 0	Unknown: 0

Total: 64

Road Description

At Intersection: 40
 At Driveway Access: 0
 Intersection Related: 24
 Non Intersection: 0
 In Alley: 0
 Roundabout: 0
 Ramp: 0
 Parking Lot: 0
 Unknown: 0

Total: 64

Road Conditions

Dry: 56
 Wet: 3
 Muddy: 0
 Snowy: 1
 Icy: 4
 Slushy: 0
 Foreign Material: 0
 With Road Treatment: 0
 Dry w/Icy Road Treatment: 0
 Wet w/Icy Road Treatment: 0
 Snowy w/Icy Road Treatment: 0
 Icy w/Icy Road Treatment: 0
 Slushy w/Icy Road Treatment: 0
 Unknown: 0

Total: 64

ADT: 19,904 Length: 0.04



Colorado Department of Transportation
DiExSys™ Roadway Safety Systems
Detailed Summary of Crashes Report

05/12/2016

Job #: 20160512151948

Location: 6G 58A/93A Begin: 271.58 End: 271.62 From: 01/01/2010 To: 12/31/2014

US 6 @ SH 93/SH 58

Vehicle Type	Veh 1	Veh 2	Veh 3
Passenger Car/Van:	32	37	3
Passenger Car/Van w/Trl:	0	0	0
Pickup Truck/Utility Van:	8	10	1
Pickup Truck/Utility Van w/Trl:	1	0	0
SUV:	21	12	1
SUV w/Trl:	0	0	0
Truck 10k lbs or Less:	0	0	0
Trucks > 10k lbs/Bus > 15 People:	2	0	0
School Bus < 15 People:	0	0	0
Non School Bus < 15 People:	0	0	0
Motorhome:	0	0	0
Motorcycle:	0	0	0
Bicycle:	0	0	0
Motorized Bicycle:	0	0	0
Farm Equipment:	0	0	0
Hit and Run - Unknown:	0	0	0
Other:	0	0	0
Unknown:	0	0	0
Total:	64	59	5

Vehicle Movement	Veh 1	Veh 2	Veh 3
Going Straight:	31	12	1
Slowing:	5	5	0
Stopped in Traffic:	5	25	3
Making Right Turn:	8	2	0
Making Left Turn:	4	11	1
Making U-Turn:	0	0	0
Passing:	0	0	0
Backing:	4	0	0
Enter/Leave Parked Position:	0	1	0
Starting in Traffic:	0	0	0
Parked:	0	0	0
Changing Lanes:	5	1	0
Avoiding Object/Veh in Road:	0	1	0
Weaving:	0	0	0
Other:	2	1	0
Unknown:	0	0	0
Total:	64	59	5

Contributing Factor	Veh 1	Veh 2	Veh 3
No Apparent Contributing Factor:	36	57	4
Asleep at the Wheel:	1	0	1
Illness:	2	0	0
Distracted by Passenger:	3	0	0
Driver Inexperience:	6	0	0
Driver Fatigue:	0	0	0
Driver Preoccupied:	4	0	0
Driver Unfamiliar with Area:	2	0	0
Driver Emotionally Upset:	2	0	0
Evading Law Enforcement Officer:	1	0	0
Physical Disability:	0	0	0
Unknown:	7	2	0
Total:	64	59	5

Direction	Veh 1	Veh 2	Veh 3
North:	14	11	2
Northeast:	2	1	0
East:	16	13	1
Southeast:	4	3	0
South:	10	16	1
Southwest:	0	0	0
West:	17	14	1
Northwest:	1	1	0
Unknown:	0	0	0
Total:	64	59	5

Condition of Driver	Veh 1	Veh 2	Veh 3
No Impairment Suspected:	62	59	5
Alcohol Involved:	2	0	0
RX, Medication, or Drugs Involved:	0	0	0
Illegal Drugs Involved:	0	0	0
Alcohol and Drugs Involved:	0	0	0
Driver/Pedestrian not Observed:	0	0	0
Unknown:	0	0	0
Total:	64	59	5

ADT: 19,904 Length: 0.04

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User: Devin on DESIGN21

Detailed Summaries for Table 2



Colorado Department of Transportation
DiExSys™ Roadway Safety Systems
Detailed Summary of Crashes Report

05/12/2016

Job #: 20160512111607

Location: 93A Begin: 0.66 End: 0.70 From:01/01/2010 To:12/31/2014

Iowa Dr Total Crashes 2010-2014

Severity	
PDO:	30
INJ:	7 10 :Injured
FAT:	0 0 :Killed
Total:	37

Number of Vehicles	
One Vehicle:	2
Two Vehicles:	32
Three or More:	3
Unknown:	0
Total:	37

Location	
On Road:	37
Off Road Left:	0
Off Road Right:	0
Off Road at Tee:	0
Off in Median:	0
Unknown:	0
Total:	37

Lighting Conditions	
Daylight:	32
Dawn or Dusk:	1
Dark - Lighted:	4
Dark - Unlighted:	0
Unknown:	0
Total:	37

Weather Conditions	
None:	34
Rain:	1
Snow/Sleet/Hail:	1
Fog:	0
Dust:	0
Wind:	1
Unknown:	0
Total:	37

Crash Rates	
PDO:	13.98* * MVMT
INJ:	3.26* ** 100 MVMT
FAT:	0.00**
Total:	17.24*

Crash Type	
Overtuning:	1
Other Non Collision:	0
Pedestrians:	0
Broadside:	3
Head On:	0
Rear End:	22
Sideswipe (Same):	1
Sideswipe (Opposite):	0
Approach Turn:	8
Overtaking Turn:	1
Parked Motor Vehicle:	0
Railway Vehicle:	0
Bicycle:	0
Motorized Bicycle:	0
Domestic Animal:	0
Wild Animal:	1
Light/Utility Pole:	0
Traffic Signal Pole:	0
Sign:	0
Bridge Rail:	0
Guard Rail:	0
Cable Rail:	0
Concrete Barrier:	0
Bridge Abutment:	0
Column/Pier:	0
Culvert/Headwall:	0
Embankment:	0
Curb:	0
Delineator Post:	0
Fence:	0
Tree:	0
Large Boulders or Rocks:	0
Barricade:	0
Wall/Building:	0
Crash Cushion:	0
Mailbox:	0
Other Fixed Object:	0
Total Fixed Objects:	0
Rocks in Roadway:	0
Vehicle Cargo/Debris:	0
Road Maintenance Equipment:	0
Involving Other Object:	0
Total Other Objects:	0
Unknown:	0
Total:	37

Mainline/Ramps/Frontage Roads	
Mainline:	37
Crossroad (A):	0
Ramps	
B: 0 F: 0 J: 0	
C: 0 G: 0 K: 0	
D: 0 H: 0 L: 0	
E: 0 I: 0	
Frontage/Ramp Intersections	
M: 0 N: 0 O: 0 P: 0	
Left Frontage Rd (L):	0
Rt Frontage Rd (R):	0
HOV Lanes (V):	0
Unknown:	0
Total:	37

Road Description	
At Intersection:	29
At Driveway Access:	0
Intersection Related:	8
Non Intersection:	0
In Alley:	0
Roundabout:	0
Ramp:	0
Parking Lot:	0
Unknown:	0
Total:	37

Road Conditions	
Dry:	34
Wet:	2
Muddy:	0
Snowy:	1
Icy:	0
Slushy:	0
Foreign Material:	0
With Road Treatment:	0
Dry w/Icy Road Treatment:	0
Wet w/Icy Road Treatment:	0
Snowy w/Icy Road Treatment:	0
Icy w/Icy Road Treatment:	0
Slushy w/Icy Road Treatment:	0
Unknown:	0
Total:	37

ADT: 22,600 Length: 0.05



Colorado Department of Transportation
DiExSys™ Roadway Safety Systems
Detailed Summary of Crashes Report

05/12/2016

Job #: 20160512111607

Location: 93A Begin: 0.66 End: 0.70 From:01/01/2010 To:12/31/2014

Iowa Dr Total Crashes 2010-2014

Vehicle Type	Veh 1	Veh 2	Veh 3
Passenger Car/Van:	15	16	2
Passenger Car/Van w/Trl:	0	1	0
Pickup Truck/Utility Van:	5	6	0
Pickup Truck/Utility Van w/Trl:	1	0	0
SUV:	13	11	1
SUV w/Trl:	0	0	0
Truck 10k lbs or Less:	0	0	0
Trucks > 10k lbs/Bus > 15 People:	2	0	0
School Bus < 15 People:	0	0	0
Non School Bus < 15 People:	0	0	0
Motorhome:	0	0	0
Motorcycle:	1	0	0
Bicycle:	0	0	0
Motorized Bicycle:	0	0	0
Farm Equipment:	0	0	0
Hit and Run - Unknown:	0	0	0
Other:	0	1	0
Unknown:	0	0	0
Total:	37	35	3

Vehicle Movement	Veh 1	Veh 2	Veh 3
Going Straight:	21	13	0
Slowing:	4	5	1
Stopped in Traffic:	1	16	2
Making Right Turn:	3	0	0
Making Left Turn:	7	1	0
Making U-Turn:	0	0	0
Passing:	0	0	0
Backing:	0	0	0
Enter/Leave Parked Position:	0	0	0
Starting in Traffic:	0	0	0
Parked:	0	0	0
Changing Lanes:	1	0	0
Avoiding Object/Veh in Road:	0	0	0
Weaving:	0	0	0
Other:	0	0	0
Unknown:	0	0	0
Total:	37	35	3

Contributing Factor	Veh 1	Veh 2	Veh 3
No Apparent Contributing Factor:	17	34	3
Asleep at the Wheel:	0	0	0
Illness:	1	0	0
Distracted by Passenger:	0	0	0
Driver Inexperience:	1	0	0
Driver Fatigue:	0	0	0
Driver Preoccupied:	6	0	0
Driver Unfamiliar with Area:	4	0	0
Driver Emotionally Upset:	1	0	0
Evading Law Enforcement Officer:	0	0	0
Physical Disability:	0	0	0
Unknown:	7	1	0
Total:	37	35	3

Direction	Veh 1	Veh 2	Veh 3
North:	16	15	1
Northeast:	0	0	0
East:	0	0	0
Southeast:	1	0	0
South:	12	11	0
Southwest:	0	1	0
West:	2	2	0
Northwest:	6	6	2
Unknown:	0	0	0
Total:	37	35	3

Condition of Driver	Veh 1	Veh 2	Veh 3
No Impairment Suspected:	36	35	3
Alcohol Involved:	1	0	0
RX, Medication, or Drugs Involved:	0	0	0
Illegal Drugs Involved:	0	0	0
Alcohol and Drugs Involved:	0	0	0
Driver/Pedestrian not Observed:	0	0	0
Unknown:	0	0	0
Total:	37	35	3

ADT: 22,600 Length: 0.05

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Page 2

User: Devin on DESIGN21

Detailed Summaries for Table 2

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Colorado Department of Transportation
DiExSys™ Roadway Safety Systems
Detailed Summary of Crashes Report

05/12/2016

Job #: 20160512114816

Location: 93A Begin: 0.84 End: 0.88 From:01/01/2010 To:12/31/2014

Washington St Crashes 2010-2014

Severity	
PDO:	34
INJ:	12 16 :Injured
FAT:	0 0 :Killed
Total:	46

Number of Vehicles	
One Vehicle:	0
Two Vehicles:	36
Three or More:	10
Unknown:	0
Total:	46

Location	
On Road:	46
Off Road Left:	0
Off Road Right:	0
Off Road at Tee:	0
Off in Median:	0
Unknown:	0
Total:	46

Lighting Conditions	
Daylight:	37
Dawn or Dusk:	6
Dark - Lighted:	2
Dark - Unlighted:	1
Unknown:	0
Total:	46

Weather Conditions	
None:	44
Rain:	1
Snow/Sleet/Hail:	1
Fog:	0
Dust:	0
Wind:	0
Unknown:	0
Total:	46

Crash Rates	
PDO:	19.16* * MVMT
INJ:	6.76* ** 100 MVMT
FAT:	0.00**
Total:	25.92*

Crash Type	
Overtuning:	0
Other Non Collision:	0
Pedestrians:	0
Broadside:	2
Head On:	0
Rear End:	31
Sideswipe (Same):	1
Sideswipe (Opposite):	2
Approach Turn:	9
Overtaking Turn:	0
Parked Motor Vehicle:	0
Railway Vehicle:	0
Bicycle:	1
Motorized Bicycle:	0
Domestic Animal:	0
Wild Animal:	0
Light/Utility Pole:	0
Traffic Signal Pole:	0
Sign:	0
Bridge Rail:	0
Guard Rail:	0
Cable Rail:	0
Concrete Barrier:	0
Bridge Abutment:	0
Column/Pier:	0
Culvert/Headwall:	0
Embankment:	0
Curb:	0
Delineator Post:	0
Fence:	0
Tree:	0
Large Boulders or Rocks:	0
Barricade:	0
Wall/Building:	0
Crash Cushion:	0
Mailbox:	0
Other Fixed Object:	0
Total Fixed Objects:	0
Rocks in Roadway:	0
Vehicle Cargo/Debris:	0
Road Maintenance Equipment:	0
Involving Other Object:	0
Total Other Objects:	0
Unknown:	0
Total:	46

Mainline/Ramps/Frontage Roads	
Mainline:	46
Crossroad (A):	0
Ramps	
B: 0 F: 0 J: 0	
C: 0 G: 0 K: 0	
D: 0 H: 0 L: 0	
E: 0 I: 0	
Frontage/Ramp Intersections	
M: 0 N: 0 O: 0 P: 0	
Left Frontage Rd (L):	0
Rt Frontage Rd (R):	0
HOV Lanes (V):	0
Unknown:	0
Total:	46

Road Description	
At Intersection:	34
At Driveway Access:	0
Intersection Related:	12
Non Intersection:	0
In Alley:	0
Roundabout:	0
Ramp:	0
Parking Lot:	0
Unknown:	0
Total:	46

Road Conditions	
Dry:	41
Wet:	2
Muddy:	0
Snowy:	0
Icy:	3
Slushy:	0
Foreign Material:	0
With Road Treatment:	0
Dry w/Icy Road Treatment:	0
Wet w/Icy Road Treatment:	0
Snowy w/Icy Road Treatment:	0
Icy w/Icy Road Treatment:	0
Slushy w/Icy Road Treatment:	0
Unknown:	0
Total:	46

ADT: 22,600 Length: 0.04



Colorado Department of Transportation
DiExSys™ Roadway Safety Systems
Detailed Summary of Crashes Report

05/12/2016

Job #: 20160512114816

Location: 93A Begin: 0.84 End: 0.88 From:01/01/2010 To:12/31/2014

Washington St Crashes 2010-2014

Vehicle Type	Veh 1	Veh 2	Veh 3
Passenger Car/Van:	23	22	4
Passenger Car/Van w/Trl:	0	0	0
Pickup Truck/Utility Van:	5	7	3
Pickup Truck/Utility Van w/Trl:	0	1	0
SUV:	15	14	3
SUV w/Trl:	0	0	0
Truck 10k lbs or Less:	0	0	0
Trucks > 10k lbs/Bus > 15 People:	0	1	0
School Bus < 15 People:	0	0	0
Non School Bus < 15 People:	0	0	0
Motorhome:	0	0	0
Motorcycle:	1	1	0
Bicycle:	1	0	0
Motorized Bicycle:	0	0	0
Farm Equipment:	0	0	0
Hit and Run - Unknown:	1	0	0
Other:	0	0	0
Unknown:	0	0	0
Total:	46	46	10

Vehicle Movement	Veh 1	Veh 2	Veh 3
Going Straight:	27	16	3
Slowing:	4	8	0
Stopped in Traffic:	0	19	7
Making Right Turn:	0	1	0
Making Left Turn:	13	2	0
Making U-Turn:	0	0	0
Passing:	0	0	0
Backing:	0	0	0
Enter/Leave Parked Position:	0	0	0
Starting in Traffic:	0	0	0
Parked:	0	0	0
Changing Lanes:	0	0	0
Avoiding Object/Veh in Road:	0	0	0
Weaving:	0	0	0
Other:	2	0	0
Unknown:	0	0	0
Total:	46	46	10

Contributing Factor	Veh 1	Veh 2	Veh 3
No Apparent Contributing Factor:	23	45	10
Asleep at the Wheel:	0	0	0
Illness:	0	0	0
Distracted by Passenger:	0	0	0
Driver Inexperience:	1	0	0
Driver Fatigue:	0	0	0
Driver Preoccupied:	11	1	0
Driver Unfamiliar with Area:	5	0	0
Driver Emotionally Upset:	2	0	0
Evading Law Enforcement Officer:	0	0	0
Physical Disability:	0	0	0
Unknown:	4	0	0
Total:	46	46	10

Direction	Veh 1	Veh 2	Veh 3
North:	11	20	5
Northeast:	0	0	0
East:	1	1	0
Southeast:	0	0	0
South:	28	20	3
Southwest:	0	0	0
West:	5	4	2
Northwest:	1	1	0
Unknown:	0	0	0
Total:	46	46	10

Condition of Driver	Veh 1	Veh 2	Veh 3
No Impairment Suspected:	46	46	10
Alcohol Involved:	0	0	0
RX, Medication, or Drugs Involved:	0	0	0
Illegal Drugs Involved:	0	0	0
Alcohol and Drugs Involved:	0	0	0
Driver/Pedestrian not Observed:	0	0	0
Unknown:	0	0	0
Total:	46	46	10

ADT: 22,600 Length: 0.04

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Colorado Department of Transportation
DiExSys™ Roadway Safety Systems
Detailed Summary of Crashes Report

05/12/2016

Job #: 20160512120400

Location: 93A Begin: 1.21 End: 1.25 From:01/01/2010 To:12/31/2014

Golden Gate Canyon Dr Crashes 2010-2014

Severity	
PDO:	15
INJ:	3 3 :Injured
FAT:	0 0 :Killed
Total:	18

Number of Vehicles	
One Vehicle:	3
Two Vehicles:	12
Three or More:	3
Unknown:	0
Total:	18

Location	
On Road:	16
Off Road Left:	1
Off Road Right:	1
Off Road at Tee:	0
Off in Median:	0
Unknown:	0
Total:	18

Lighting Conditions	
Daylight:	13
Dawn or Dusk:	2
Dark - Lighted:	3
Dark - Unlighted:	0
Unknown:	0
Total:	18

Weather Conditions	
None:	15
Rain:	2
Snow/Sleet/Hail:	1
Fog:	0
Dust:	0
Wind:	0
Unknown:	0
Total:	18

Crash Rates	
PDO:	7.76* * MVMT
INJ:	1.55* ** 100 MVMT
FAT:	0.00**
Total:	9.31*

Crash Type	
Overtuning:	0
Other Non Collision:	0
Pedestrians:	0
Broadside:	1
Head On:	0
Rear End:	9
Sideswipe (Same):	0
Sideswipe (Opposite):	1
Approach Turn:	4
Overtaking Turn:	0
Parked Motor Vehicle:	0
Railway Vehicle:	0
Bicycle:	0
Motorized Bicycle:	0
Domestic Animal:	0
Wild Animal:	1
Light/Utility Pole:	0
Traffic Signal Pole:	0
Sign:	0
Bridge Rail:	0
Guard Rail:	1
Cable Rail:	0
Concrete Barrier:	0
Bridge Abutment:	0
Column/Pier:	0
Culvert/Headwall:	0
Embankment:	0
Curb:	1
Delineator Post:	0
Fence:	0
Tree:	0
Large Boulders or Rocks:	0
Barricade:	0
Wall/Building:	0
Crash Cushion:	0
Mailbox:	0
Other Fixed Object:	0
Total Fixed Objects:	2
Rocks in Roadway:	0
Vehicle Cargo/Debris:	0
Road Maintenance Equipment:	0
Involving Other Object:	0
Total Other Objects:	0
Unknown:	0
Total:	18

Mainline/Ramps/Frontage Roads	
Mainline:	18
Crossroad (A):	0
Ramps	
B: 0 F: 0 J: 0	
C: 0 G: 0 K: 0	
D: 0 H: 0 L: 0	
E: 0 I: 0	
Frontage/Ramp Intersections	
M: 0 N: 0 O: 0 P: 0	
Left Frontage Rd (L):	0
Rt Frontage Rd (R):	0
HOV Lanes (V):	0
Unknown:	0
Total:	18

Road Description	
At Intersection:	13
At Driveway Access:	0
Intersection Related:	5
Non Intersection:	0
In Alley:	0
Roundabout:	0
Ramp:	0
Parking Lot:	0
Unknown:	0
Total:	18

Road Conditions	
Dry:	14
Wet:	2
Muddy:	0
Snowy:	0
Icy:	2
Slushy:	0
Foreign Material:	0
With Road Treatment:	0
Dry w/Icy Road Treatment:	0
Wet w/Icy Road Treatment:	0
Snowy w/Icy Road Treatment:	0
Icy w/Icy Road Treatment:	0
Slushy w/Icy Road Treatment:	0
Unknown:	0
Total:	18

ADT: 25,200 Length: 0.04



Colorado Department of Transportation
DiExSys™ Roadway Safety Systems
Detailed Summary of Crashes Report

05/12/2016

Job #: 20160512120400

Location: 93A **Begin: 1.21** **End: 1.25** **From:01/01/2010** **To:12/31/2014**

Golden Gate Canyon Dr Crashes 2010-2014

Vehicle Type	Veh 1	Veh 2	Veh 3	Vehicle Movement	Veh 1	Veh 2	Veh 3
Passenger Car/Van:	8	6	2	Going Straight:	5	3	0
Passenger Car/Van w/Trl:	0	0	0	Slowing:	3	2	0
Pickup Truck/Utility Van:	3	4	1	Stopped in Traffic:	0	8	2
Pickup Truck/Utility Van w/Trl:	0	0	0	Making Right Turn:	3	1	1
SUV:	4	4	0	Making Left Turn:	4	0	0
SUV w/Trl:	0	0	0	Making U-Turn:	0	0	0
Truck 10k lbs or Less:	0	0	0	Passing:	0	0	0
Trucks > 10k lbs/Bus > 15 People:	1	1	0	Backing:	1	1	0
School Bus < 15 People:	0	0	0	Enter/Leave Parked Position:	0	0	0
Non School Bus < 15 People:	0	0	0	Starting in Traffic:	0	0	0
Motorhome:	0	0	0	Parked:	0	0	0
Motorcycle:	2	0	0	Changing Lanes:	0	0	0
Bicycle:	0	0	0	Avoiding Object/Veh in Road:	0	0	0
Motorized Bicycle:	0	0	0	Weaving:	0	0	0
Farm Equipment:	0	0	0	Other:	2	0	0
Hit and Run - Unknown:	0	0	0	Unknown:	0	0	0
Other:	0	0	0				
Unknown:	0	0	0	Total:	18	15	3
Total:	18	15	3				

Contributing Factor	Veh 1	Veh 2	Veh 3	Direction	Veh 1	Veh 2	Veh 3
No Apparent Contributing Factor:	9	14	3	North:	4	4	0
Asleep at the Wheel:	1	0	0	Northeast:	0	0	0
Illness:	0	0	0	East:	2	3	2
Distracted by Passenger:	0	0	0	Southeast:	0	0	0
Driver Inexperience:	1	0	0	South:	10	7	1
Driver Fatigue:	0	0	0	Southwest:	0	0	0
Driver Preoccupied:	3	0	0	West:	2	1	0
Driver Unfamiliar with Area:	0	0	0	Northwest:	0	0	0
Driver Emotionally Upset:	0	0	0	Unknown:	0	0	0
Evading Law Enforcement Officer:	0	0	0	Total:	18	15	3
Physical Disability:	0	0	0				
Unknown:	4	1	0				
Total:	18	15	3				

Condition of Driver	Veh 1	Veh 2	Veh 3
No Impairment Suspected:	17	15	3
Alcohol Involved:	0	0	0
RX, Medication, or Drugs Involved:	1	0	0
Illegal Drugs Involved:	0	0	0
Alcohol and Drugs Involved:	0	0	0
Driver/Pedestrian not Observed:	0	0	0
Unknown:	0	0	0
Total:	18	15	3

ADT: 25,200 **Length: 0.04**

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Colorado Department of Transportation
DiExSys™ Roadway Safety Systems
Detailed Summary of Crashes Report

05/12/2016

Job #: 20160512121335

Location: 93A Begin: 1.65 End: 1.69 From:01/01/2010 To:12/31/2014

Pine Ridge Rd Crashes 2010-2014

Severity	
PDO:	9
INJ:	2 4 :Injured
FAT:	0 0 :Killed
Total:	11

Number of Vehicles	
One Vehicle:	5
Two Vehicles:	5
Three or More:	1
Unknown:	0
Total:	11

Location	
On Road:	10
Off Road Left:	0
Off Road Right:	1
Off Road at Tee:	0
Off in Median:	0
Unknown:	0
Total:	11

Lighting Conditions	
Daylight:	7
Dawn or Dusk:	1
Dark - Lighted:	1
Dark - Unlighted:	2
Unknown:	0
Total:	11

Weather Conditions	
None:	11
Rain:	0
Snow/Sleet/Hail:	0
Fog:	0
Dust:	0
Wind:	0
Unknown:	0
Total:	11

Crash Rates	
PDO:	5.81 * * MVMT
INJ:	1.29 * ** 100 MVMT
FAT:	0.00 **
Total:	7.10 *

Crash Type	
Overtuning:	0
Other Non Collision:	0
Pedestrians:	0
Broadside:	1
Head On:	0
Rear End:	4
Sideswipe (Same):	0
Sideswipe (Opposite):	0
Approach Turn:	1
Overtaking Turn:	0
Parked Motor Vehicle:	0
Railway Vehicle:	0
Bicycle:	0
Motorized Bicycle:	0
Domestic Animal:	0
Wild Animal:	4
Light/Utility Pole:	0
Traffic Signal Pole:	0
Sign:	0
Bridge Rail:	0
Guard Rail:	1
Cable Rail:	0
Concrete Barrier:	0
Bridge Abutment:	0
Column/Pier:	0
Culvert/Headwall:	0
Embankment:	0
Curb:	0
Delineator Post:	0
Fence:	0
Tree:	0
Large Boulders or Rocks:	0
Barricade:	0
Wall/Building:	0
Crash Cushion:	0
Mailbox:	0
Other Fixed Object:	0
Total Fixed Objects:	1
Rocks in Roadway:	0
Vehicle Cargo/Debris:	0
Road Maintenance Equipment:	0
Involving Other Object:	0
Total Other Objects:	0
Unknown:	0
Total:	11

Mainline/Ramps/Frontage Roads	
Mainline:	11
Crossroad (A):	0
Ramps	
B: 0 F: 0 J: 0	
C: 0 G: 0 K: 0	
D: 0 H: 0 L: 0	
E: 0 I: 0	
Frontage/Ramp Intersections	
M: 0 N: 0 O: 0 P: 0	
Left Frontage Rd (L):	0
Rt Frontage Rd (R):	0
HOV Lanes (V):	0
Unknown:	0
Total:	11

Road Description	
At Intersection:	8
At Driveway Access:	0
Intersection Related:	3
Non Intersection:	0
In Alley:	0
Roundabout:	0
Ramp:	0
Parking Lot:	0
Unknown:	0
Total:	11

Road Conditions	
Dry:	10
Wet:	0
Muddy:	0
Snowy:	0
Icy:	1
Slushy:	0
Foreign Material:	0
With Road Treatment:	0
Dry w/Icy Road Treatment:	0
Wet w/Icy Road Treatment:	0
Snowy w/Icy Road Treatment:	0
Icy w/Icy Road Treatment:	0
Slushy w/Icy Road Treatment:	0
Unknown:	0
Total:	11

ADT: 21,200 Length: 0.04



Colorado Department of Transportation
DiExSys™ Roadway Safety Systems
Detailed Summary of Crashes Report

05/12/2016

Job #: 20160512121335

Location: 93A Begin: 1.65 End: 1.69 From:01/01/2010 To:12/31/2014

Pine Ridge Rd Crashes 2010-2014

Vehicle Type	Veh 1	Veh 2	Veh 3	Vehicle Movement	Veh 1	Veh 2	Veh 3
Passenger Car/Van:	5	3	0	Going Straight:	8	2	0
Passenger Car/Van w/Trl:	0	0	0	Slowing:	2	2	1
Pickup Truck/Utility Van:	2	0	1	Stopped in Traffic:	0	2	0
Pickup Truck/Utility Van w/Trl:	0	0	0	Making Right Turn:	0	0	0
SUV:	4	3	0	Making Left Turn:	1	0	0
SUV w/Trl:	0	0	0	Making U-Turn:	0	0	0
Truck 10k lbs or Less:	0	0	0	Passing:	0	0	0
Trucks > 10k lbs/Bus > 15 People:	0	0	0	Backing:	0	0	0
School Bus < 15 People:	0	0	0	Enter/Leave Parked Position:	0	0	0
Non School Bus < 15 People:	0	0	0	Starting in Traffic:	0	0	0
Motorhome:	0	0	0	Parked:	0	0	0
Motorcycle:	0	0	0	Changing Lanes:	0	0	0
Bicycle:	0	0	0	Avoiding Object/Veh in Road:	0	0	0
Motorized Bicycle:	0	0	0	Weaving:	0	0	0
Farm Equipment:	0	0	0	Other:	0	0	0
Hit and Run - Unknown:	0	0	0	Unknown:	0	0	0
Other:	0	0	0	Total:	11	6	1
Unknown:	0	0	0				
Total:	11	6	1				

Contributing Factor	Veh 1	Veh 2	Veh 3	Direction	Veh 1	Veh 2	Veh 3
No Apparent Contributing Factor:	8	6	1	North:	2	2	0
Asleep at the Wheel:	0	0	0	Northeast:	1	0	0
Illness:	0	0	0	East:	0	0	0
Distracted by Passenger:	0	0	0	Southeast:	0	0	0
Driver Inexperience:	0	0	0	South:	6	3	1
Driver Fatigue:	0	0	0	Southwest:	0	0	0
Driver Preoccupied:	0	0	0	West:	2	1	0
Driver Unfamiliar with Area:	1	0	0	Northwest:	0	0	0
Driver Emotionally Upset:	0	0	0	Unknown:	0	0	0
Evading Law Enforcement Officer:	0	0	0	Total:	11	6	1
Physical Disability:	0	0	0				
Unknown:	2	0	0				
Total:	11	6	1				

Condition of Driver	Veh 1	Veh 2	Veh 3
No Impairment Suspected:	11	6	1
Alcohol Involved:	0	0	0
RX, Medication, or Drugs Involved:	0	0	0
Illegal Drugs Involved:	0	0	0
Alcohol and Drugs Involved:	0	0	0
Driver/Pedestrian not Observed:	0	0	0
Unknown:	0	0	0
Total:	11	6	1

ADT: 21,200 Length: 0.04

Any intentional or inadvertent release of this data or any data derived from its use shall not constitute a waiver of privilege pursuant to 23 USC 409.



Colorado Department of Transportation
DiExSys™ Roadway Safety Systems
Detailed Summary of Crashes Report

05/12/2016

Job #: 20160512122113

Location: 93A Begin: 3.03 End: 3.07 From:01/01/2010 To:12/31/2014

W 58th Ave Crashes 2010-2014

Severity	
PDO:	11
INJ:	6 13 :Injured
FAT:	0 0 :Killed
Total:	17

Number of Vehicles	
One Vehicle:	3
Two Vehicles:	13
Three or More:	1
Unknown:	0
Total:	17

Location	
On Road:	15
Off Road Left:	1
Off Road Right:	1
Off Road at Tee:	0
Off in Median:	0
Unknown:	0
Total:	17

Lighting Conditions	
Daylight:	12
Dawn or Dusk:	1
Dark - Lighted:	2
Dark - Unlighted:	2
Unknown:	0
Total:	17

Weather Conditions	
None:	16
Rain:	1
Snow/Sleet/Hail:	0
Fog:	0
Dust:	0
Wind:	0
Unknown:	0
Total:	17

Crash Rates	
PDO:	5.21 * * MVMT
INJ:	2.84 * ** 100 MVMT
FAT:	0.00 **
Total:	8.06 *

Crash Type	
Overtuning:	1
Other Non Collision:	0
Pedestrians:	0
Broadside:	2
Head On:	0
Rear End:	5
Sideswipe (Same):	0
Sideswipe (Opposite):	0
Approach Turn:	5
Overtaking Turn:	1
Parked Motor Vehicle:	0
Railway Vehicle:	0
Bicycle:	0
Motorized Bicycle:	0
Domestic Animal:	0
Wild Animal:	0
Light/Utility Pole:	0
Traffic Signal Pole:	2
Sign:	0
Bridge Rail:	0
Guard Rail:	0
Cable Rail:	0
Concrete Barrier:	0
Bridge Abutment:	0
Column/Pier:	0
Culvert/Headwall:	0
Embankment:	0
Curb:	0
Delineator Post:	0
Fence:	0
Tree:	0
Large Boulders or Rocks:	0
Barricade:	0
Wall/Building:	0
Crash Cushion:	0
Mailbox:	0
Other Fixed Object:	0
Total Fixed Objects:	2
Rocks in Roadway:	0
Vehicle Cargo/Debris:	1
Road Maintenance Equipment:	0
Involving Other Object:	0
Total Other Objects:	1
Unknown:	0
Total:	17

Mainline/Ramps/Frontage Roads	
Mainline:	17
Crossroad (A):	0
Ramps	
B: 0 F: 0 J: 0	
C: 0 G: 0 K: 0	
D: 0 H: 0 L: 0	
E: 0 I: 0	
Frontage/Ramp Intersections	
M: 0 N: 0 O: 0 P: 0	
Left Frontage Rd (L):	0
Rt Frontage Rd (R):	0
HOV Lanes (V):	0
Unknown:	0
Total:	17

Road Description	
At Intersection:	10
At Driveway Access:	0
Intersection Related:	7
Non Intersection:	0
In Alley:	0
Roundabout:	0
Ramp:	0
Parking Lot:	0
Unknown:	0
Total:	17

Road Conditions	
Dry:	14
Wet:	3
Muddy:	0
Snowy:	0
Icy:	0
Slushy:	0
Foreign Material:	0
With Road Treatment:	0
Dry w/Icy Road Treatment:	0
Wet w/Icy Road Treatment:	0
Snowy w/Icy Road Treatment:	0
Icy w/Icy Road Treatment:	0
Slushy w/Icy Road Treatment:	0
Unknown:	0
Total:	17

ADT: 21,800 Length: 0.05



Colorado Department of Transportation
DiExSys™ Roadway Safety Systems
Detailed Summary of Crashes Report

05/12/2016

Job #: 20160512122113

Location: 93A Begin: 3.03 End: 3.07 From:01/01/2010 To:12/31/2014

W 58th Ave Crashes 2010-2014

Vehicle Type	Veh 1	Veh 2	Veh 3	Vehicle Movement	Veh 1	Veh 2	Veh 3
Passenger Car/Van:	8	6	1	Going Straight:	5	4	1
Passenger Car/Van w/Trl:	0	0	0	Slowing:	2	2	0
Pickup Truck/Utility Van:	2	2	0	Stopped in Traffic:	0	6	0
Pickup Truck/Utility Van w/Trl:	0	0	0	Making Right Turn:	2	0	0
SUV:	6	5	0	Making Left Turn:	6	2	0
SUV w/Trl:	0	0	0	Making U-Turn:	1	0	0
Truck 10k lbs or Less:	0	0	0	Passing:	0	0	0
Trucks > 10k lbs/Bus > 15 People:	0	0	0	Backing:	0	0	0
School Bus < 15 People:	0	0	0	Enter/Leave Parked Position:	0	0	0
Non School Bus < 15 People:	0	0	0	Starting in Traffic:	0	0	0
Motorhome:	0	0	0	Parked:	0	0	0
Motorcycle:	1	0	0	Changing Lanes:	1	0	0
Bicycle:	0	0	0	Avoiding Object/Veh in Road:	0	0	0
Motorized Bicycle:	0	0	0	Weaving:	0	0	0
Farm Equipment:	0	0	0	Other:	0	0	0
Hit and Run - Unknown:	0	0	0	Unknown:	0	0	0
Other:	0	1	0	Total:	17	14	1
Unknown:	0	0	0				
Total:	17	14	1				

Contributing Factor	Veh 1	Veh 2	Veh 3	Direction	Veh 1	Veh 2	Veh 3
No Apparent Contributing Factor:	10	14	1	North:	7	7	0
Asleep at the Wheel:	0	0	0	Northeast:	0	0	0
Illness:	0	0	0	East:	0	1	0
Distracted by Passenger:	0	0	0	Southeast:	0	0	0
Driver Inexperience:	1	0	0	South:	8	4	1
Driver Fatigue:	0	0	0	Southwest:	1	0	0
Driver Preoccupied:	4	0	0	West:	1	2	0
Driver Unfamiliar with Area:	1	0	0	Northwest:	0	0	0
Driver Emotionally Upset:	1	0	0	Unknown:	0	0	0
Evading Law Enforcement Officer:	0	0	0	Total:	17	14	1
Physical Disability:	0	0	0				
Unknown:	0	0	0				
Total:	17	14	1				

Condition of Driver	Veh 1	Veh 2	Veh 3
No Impairment Suspected:	17	14	1
Alcohol Involved:	0	0	0
RX, Medication, or Drugs Involved:	0	0	0
Illegal Drugs Involved:	0	0	0
Alcohol and Drugs Involved:	0	0	0
Driver/Pedestrian not Observed:	0	0	0
Unknown:	0	0	0
Total:	17	14	1

ADT: 21,800 Length: 0.05

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User: Devin on DESIGN21

Detailed Summaries for Table 2



Colorado Department of Transportation
DiExSys™ Roadway Safety Systems
Detailed Summary of Crashes Report

05/12/2016

Job #: 20160512122906

Location: 93A Begin: 4.15 End: 4.19 From:01/01/2010 To:12/31/2014

W 64th Pkwy Crashes 2010-2014

Severity	
PDO:	13
INJ:	3 4 :Injured
FAT:	0 0 :Killed
Total:	16

Number of Vehicles	
One Vehicle:	3
Two Vehicles:	12
Three or More:	1
Unknown:	0
Total:	16

Location	
On Road:	15
Off Road Left:	0
Off Road Right:	1
Off Road at Tee:	0
Off in Median:	0
Unknown:	0
Total:	16

Lighting Conditions	
Daylight:	14
Dawn or Dusk:	0
Dark - Lighted:	2
Dark - Unlighted:	0
Unknown:	0
Total:	16

Weather Conditions	
None:	14
Rain:	0
Snow/Sleet/Hail:	1
Fog:	0
Dust:	0
Wind:	1
Unknown:	0
Total:	16

Crash Rates	
PDO:	3.14* * MVMT
INJ:	0.72* ** 100 MVMT
FAT:	0.00**
Total:	3.86*

Crash Type	
Overtuning:	0
Other Non Collision:	0
Pedestrians:	0
Broadside:	2
Head On:	0
Rear End:	9
Sideswipe (Same):	1
Sideswipe (Opposite):	0
Approach Turn:	1
Overtaking Turn:	0
Parked Motor Vehicle:	0
Railway Vehicle:	0
Bicycle:	0
Motorized Bicycle:	0
Domestic Animal:	0
Wild Animal:	0
Light/Utility Pole:	0
Traffic Signal Pole:	0
Sign:	1
Bridge Rail:	0
Guard Rail:	0
Cable Rail:	0
Concrete Barrier:	0
Bridge Abutment:	0
Column/Pier:	0
Culvert/Headwall:	0
Embankment:	0
Curb:	0
Delineator Post:	0
Fence:	0
Tree:	0
Large Boulders or Rocks:	0
Barricade:	0
Wall/Building:	0
Crash Cushion:	0
Mailbox:	0
Other Fixed Object:	2
Total Fixed Objects:	3
Rocks in Roadway:	0
Vehicle Cargo/Debris:	0
Road Maintenance Equipment:	0
Involving Other Object:	0
Total Other Objects:	0
Unknown:	0
Total:	16

Mainline/Ramps/Frontage Roads	
Mainline:	16
Crossroad (A):	0
Ramps	
B: 0 F: 0 J: 0	
C: 0 G: 0 K: 0	
D: 0 H: 0 L: 0	
E: 0 I: 0	
Frontage/Ramp Intersections	
M: 0 N: 0 O: 0 P: 0	
Left Frontage Rd (L):	0
Rt Frontage Rd (R):	0
HOV Lanes (V):	0
Unknown:	0
Total:	16

Road Description	
At Intersection:	7
At Driveway Access:	0
Intersection Related:	9
Non Intersection:	0
In Alley:	0
Roundabout:	0
Ramp:	0
Parking Lot:	0
Unknown:	0
Total:	16

Road Conditions	
Dry:	11
Wet:	0
Muddy:	0
Snowy:	1
Icy:	1
Slushy:	0
Foreign Material:	0
With Road Treatment:	0
Dry w/Icy Road Treatment:	0
Wet w/Icy Road Treatment:	0
Snowy w/Icy Road Treatment:	0
Icy w/Icy Road Treatment:	0
Slushy w/Icy Road Treatment:	0
Unknown:	3
Total:	16

ADT: 21,800 Length: 0.10



Colorado Department of Transportation
DiExSys™ Roadway Safety Systems
Detailed Summary of Crashes Report

05/12/2016

Job #: 20160512122906

Location: 93A Begin: 4.15 End: 4.19 From:01/01/2010 To:12/31/2014

W 64th Pkwy Crashes 2010-2014

Vehicle Type	Veh 1	Veh 2	Veh 3	Vehicle Movement	Veh 1	Veh 2	Veh 3
Passenger Car/Van:	7	4	1	Going Straight:	10	2	0
Passenger Car/Van w/Trl:	0	0	0	Slowing:	2	2	1
Pickup Truck/Utility Van:	1	1	0	Stopped in Traffic:	0	6	0
Pickup Truck/Utility Van w/Trl:	0	1	0	Making Right Turn:	1	1	0
SUV:	5	7	0	Making Left Turn:	1	1	0
SUV w/Trl:	0	0	0	Making U-Turn:	0	0	0
Truck 10k lbs or Less:	0	0	0	Passing:	0	0	0
Trucks > 10k lbs/Bus > 15 People:	1	0	0	Backing:	0	0	0
School Bus < 15 People:	0	0	0	Enter/Leave Parked Position:	0	0	0
Non School Bus < 15 People:	1	0	0	Starting in Traffic:	0	0	0
Motorhome:	0	0	0	Parked:	0	0	0
Motorcycle:	0	0	0	Changing Lanes:	0	0	0
Bicycle:	0	0	0	Avoiding Object/Veh in Road:	0	1	0
Motorized Bicycle:	0	0	0	Weaving:	0	0	0
Farm Equipment:	0	0	0	Other:	2	0	0
Hit and Run - Unknown:	1	0	0	Unknown:	0	0	0
Other:	0	0	0	Total:	16	13	1
Unknown:	0	0	0				
Total:	16	13	1				

Contributing Factor	Veh 1	Veh 2	Veh 3	Direction	Veh 1	Veh 2	Veh 3
No Apparent Contributing Factor:	5	13	1	North:	5	3	1
Asleep at the Wheel:	0	0	0	Northeast:	0	0	0
Illness:	0	0	0	East:	0	0	0
Distracted by Passenger:	0	0	0	Southeast:	0	0	0
Driver Inexperience:	1	0	0	South:	9	7	0
Driver Fatigue:	0	0	0	Southwest:	0	0	0
Driver Preoccupied:	6	0	0	West:	2	3	0
Driver Unfamiliar with Area:	1	0	0	Northwest:	0	0	0
Driver Emotionally Upset:	1	0	0	Unknown:	0	0	0
Evading Law Enforcement Officer:	0	0	0	Total:	16	13	1
Physical Disability:	0	0	0				
Unknown:	2	0	0				
Total:	16	13	1				

Condition of Driver	Veh 1	Veh 2	Veh 3
No Impairment Suspected:	16	13	1
Alcohol Involved:	0	0	0
RX, Medication, or Drugs Involved:	0	0	0
Illegal Drugs Involved:	0	0	0
Alcohol and Drugs Involved:	0	0	0
Driver/Pedestrian not Observed:	0	0	0
Unknown:	0	0	0
Total:	16	13	1

ADT: 21,800 Length: 0.10

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Colorado Department of Transportation
DiExSys™ Roadway Safety Systems
Detailed Summary of Crashes Report

05/12/2016

Job #: 20160512124147

Location: 93A 72A Begin: 7.55 End: 7.59 From:01/01/2010 To:12/31/2014

SH 72A Crashes 2010-2014

Severity	
PDO:	21
INJ:	3 4 :Injured
FAT:	0 0 :Killed
Total:	24

Number of Vehicles	
One Vehicle:	2
Two Vehicles:	18
Three or More:	4
Unknown:	0
Total:	24

Location	
On Road:	22
Off Road Left:	0
Off Road Right:	2
Off Road at Tee:	0
Off in Median:	0
Unknown:	0
Total:	24

Lighting Conditions	
Daylight:	18
Dawn or Dusk:	2
Dark - Lighted:	3
Dark - Unlighted:	1
Unknown:	0
Total:	24

Weather Conditions	
None:	22
Rain:	1
Snow/Sleet/Hail:	0
Fog:	1
Dust:	0
Wind:	0
Unknown:	0
Total:	24

Crash Rates	
PDO:	7.24* * MVMT
INJ:	1.03* ** 100 MVMT
FAT:	0.00**
Total:	8.27*

Crash Type	
Overtuning:	0
Other Non Collision:	0
Pedestrians:	0
Broadside:	3
Head On:	0
Rear End:	15
Sideswipe (Same):	1
Sideswipe (Opposite):	0
Approach Turn:	3
Overtaking Turn:	0
Parked Motor Vehicle:	0
Railway Vehicle:	0
Bicycle:	0
Motorized Bicycle:	0
Domestic Animal:	0
Wild Animal:	0
Light/Utility Pole:	0
Traffic Signal Pole:	0
Sign:	2
Bridge Rail:	0
Guard Rail:	0
Cable Rail:	0
Concrete Barrier:	0
Bridge Abutment:	0
Column/Pier:	0
Culvert/Headwall:	0
Embankment:	0
Curb:	0
Delineator Post:	0
Fence:	0
Tree:	0
Large Boulders or Rocks:	0
Barricade:	0
Wall/Building:	0
Crash Cushion:	0
Mailbox:	0
Other Fixed Object:	0
Total Fixed Objects:	2
Rocks in Roadway:	0
Vehicle Cargo/Debris:	0
Road Maintenance Equipment:	0
Involving Other Object:	0
Total Other Objects:	0
Unknown:	0
Total:	24

Mainline/Ramps/Frontage Roads	
Mainline:	24
Crossroad (A):	0
Ramps	
B: 0 F: 0 J: 0	
C: 0 G: 0 K: 0	
D: 0 H: 0 L: 0	
E: 0 I: 0	
Frontage/Ramp Intersections	
M: 0 N: 0 O: 0 P: 0	
Left Frontage Rd (L):	0
Rt Frontage Rd (R):	0
HOV Lanes (V):	0
Unknown:	0
Total:	24

Road Description	
At Intersection:	13
At Driveway Access:	0
Intersection Related:	11
Non Intersection:	0
In Alley:	0
Roundabout:	0
Ramp:	0
Parking Lot:	0
Unknown:	0
Total:	24

Road Conditions	
Dry:	20
Wet:	3
Muddy:	0
Snowy:	0
Icy:	0
Slushy:	0
Foreign Material:	0
With Road Treatment:	0
Dry w/Icy Road Treatment:	0
Wet w/Icy Road Treatment:	0
Snowy w/Icy Road Treatment:	0
Icy w/Icy Road Treatment:	0
Slushy w/Icy Road Treatment:	0
Unknown:	1
Total:	24

ADT: 16,728 Length: 0.09



Colorado Department of Transportation
DiExSys™ Roadway Safety Systems
Detailed Summary of Crashes Report

05/12/2016

Job #: 20160512124147

Location: 93A 72A Begin: 7.55 End: 7.59 From:01/01/2010 To:12/31/2014

SH 72A Crashes 2010-2014

Vehicle Type	Veh 1	Veh 2	Veh 3
Passenger Car/Van:	12	10	4
Passenger Car/Van w/Trl:	0	0	0
Pickup Truck/Utility Van:	2	4	0
Pickup Truck/Utility Van w/Trl:	0	0	0
SUV:	7	6	0
SUV w/Trl:	0	0	0
Truck 10k lbs or Less:	0	0	0
Trucks > 10k lbs/Bus > 15 People:	1	1	0
School Bus < 15 People:	0	0	0
Non School Bus < 15 People:	0	0	0
Motorhome:	0	0	0
Motorcycle:	0	1	0
Bicycle:	0	0	0
Motorized Bicycle:	0	0	0
Farm Equipment:	0	0	0
Hit and Run - Unknown:	2	0	0
Other:	0	0	0
Unknown:	0	0	0
Total:	24	22	4

Vehicle Movement	Veh 1	Veh 2	Veh 3
Going Straight:	15	7	0
Slowing:	2	1	0
Stopped in Traffic:	0	13	3
Making Right Turn:	0	0	0
Making Left Turn:	5	1	0
Making U-Turn:	0	0	0
Passing:	1	0	0
Backing:	0	0	0
Enter/Leave Parked Position:	0	0	0
Starting in Traffic:	0	0	0
Parked:	0	0	0
Changing Lanes:	0	0	0
Avoiding Object/Veh in Road:	0	0	1
Weaving:	0	0	0
Other:	1	0	0
Unknown:	0	0	0
Total:	24	22	4

Contributing Factor	Veh 1	Veh 2	Veh 3
No Apparent Contributing Factor:	6	20	4
Asleep at the Wheel:	0	0	0
Illness:	0	0	0
Distracted by Passenger:	0	0	0
Driver Inexperience:	0	1	0
Driver Fatigue:	0	0	0
Driver Preoccupied:	9	0	0
Driver Unfamiliar with Area:	0	0	0
Driver Emotionally Upset:	0	0	0
Evading Law Enforcement Officer:	0	0	0
Physical Disability:	0	0	0
Unknown:	9	1	0
Total:	24	22	4

Direction	Veh 1	Veh 2	Veh 3
North:	13	10	3
Northeast:	0	0	0
East:	6	3	0
Southeast:	0	0	0
South:	2	6	1
Southwest:	0	0	0
West:	3	3	0
Northwest:	0	0	0
Unknown:	0	0	0
Total:	24	22	4

Condition of Driver	Veh 1	Veh 2	Veh 3
No Impairment Suspected:	22	22	4
Alcohol Involved:	1	0	0
RX, Medication, or Drugs Involved:	1	0	0
Illegal Drugs Involved:	0	0	0
Alcohol and Drugs Involved:	0	0	0
Driver/Pedestrian not Observed:	0	0	0
Unknown:	0	0	0
Total:	24	22	4

ADT: 16,728 Length: 0.09

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User: Devin on DESIGN21

Detailed Summaries for Table 2

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Colorado Department of Transportation
DiExSys™ Roadway Safety Systems
Detailed Summary of Crashes Report

05/12/2016

Job #: 20160512124845

Location: 93A 128A Begin: 11.76 End: 11.80 From:01/01/2010 To:12/31/2014

SH 128A Crashes 2010-2014

Severity	
PDO:	8
INJ:	3 4 :Injured
FAT:	0 0 :Killed
Total:	11

Number of Vehicles	
One Vehicle:	1
Two Vehicles:	10
Three or More:	0
Unknown:	0
Total:	11

Location	
On Road:	11
Off Road Left:	0
Off Road Right:	0
Off Road at Tee:	0
Off in Median:	0
Unknown:	0
Total:	11

Lighting Conditions	
Daylight:	10
Dawn or Dusk:	0
Dark - Lighted:	1
Dark - Unlighted:	0
Unknown:	0
Total:	11

Weather Conditions	
None:	6
Rain:	0
Snow/Sleet/Hail:	1
Fog:	1
Dust:	0
Wind:	0
Unknown:	3
Total:	11

Crash Rates	
PDO:	6.89* * MVMT
INJ:	2.58* ** 100 MVMT
FAT:	0.00**
Total:	9.47*

Crash Type			
Overtuning:	1	Bridge Abutment:	0
Other Non Collision:	0	Column/Pier:	0
Pedestrians:	0	Culvert/Headwall:	0
Broadside:	0	Embankment:	0
Head On:	0	Curb:	0
Rear End:	10	Delineator Post:	0
Sideswipe (Same):	0	Fence:	0
Sideswipe (Opposite):	0	Tree:	0
Approach Turn:	0	Large Boulders or Rocks:	0
Overtaking Turn:	0	Barricade:	0
Parked Motor Vehicle:	0	Wall/Building:	0
Railway Vehicle:	0	Crash Cushion:	0
Bicycle:	0	Mailbox:	0
Motorized Bicycle:	0	Other Fixed Object:	0
Domestic Animal:	0	Total Fixed Objects:	0
Wild Animal:	0	Rocks in Roadway:	0
Light/Utility Pole:	0	Vehicle Cargo/Debris:	0
Traffic Signal Pole:	0	Road Maintenance Equipment:	0
Sign:	0	Involving Other Object:	0
Bridge Rail:	0	Total Other Objects:	0
Guard Rail:	0	Unknown:	0
Cable Rail:	0	Total:	11
Concrete Barrier:	0		

Mainline/Ramps/Frontage Roads		Frontage/Ramp Intersections			
Mainline:	11	M:	0	N:	0
Crossroad (A):	0	O:	0	P:	0
Ramps		Total: 11			
B: 0	F: 0	J: 0	Left Frontage Rd (L):	0	
C: 0	G: 0	K: 0	Rt Frontage Rd (R):	0	
D: 0	H: 0	L: 0	HOV Lanes (V):	0	
E: 0	I: 0		Unknown:	0	

Road Description	
At Intersection:	4
At Driveway Access:	0
Intersection Related:	7
Non Intersection:	0
In Alley:	0
Roundabout:	0
Ramp:	0
Parking Lot:	0
Unknown:	0
Total:	11

Road Conditions	
Dry:	8
Wet:	1
Muddy:	0
Snowy:	0
Icy:	1
Slushy:	0
Foreign Material:	1
With Road Treatment:	0
Dry w/Icy Road Treatment:	0
Wet w/Icy Road Treatment:	0
Snowy w/Icy Road Treatment:	0
Icy w/Icy Road Treatment:	0
Slushy w/Icy Road Treatment:	0
Unknown:	0
Total:	11

ADT: 16,303 Length: 0.03



Colorado Department of Transportation
DiExSys™ Roadway Safety Systems
Detailed Summary of Crashes Report

05/12/2016

Job #: 20160512124845

Location: 93A 128A Begin: 11.76 End: 11.80 From:01/01/2010 To:12/31/2014

SH 128A Crashes 2010-2014

Vehicle Type	Veh 1	Veh 2	Veh 3
Passenger Car/Van:	5	4	0
Passenger Car/Van w/Trl:	0	0	0
Pickup Truck/Utility Van:	1	1	0
Pickup Truck/Utility Van w/Trl:	0	1	0
SUV:	4	4	0
SUV w/Trl:	0	0	0
Truck 10k lbs or Less:	0	0	0
Trucks > 10k lbs/Bus > 15 People:	0	0	0
School Bus < 15 People:	0	0	0
Non School Bus < 15 People:	0	0	0
Motorhome:	0	0	0
Motorcycle:	1	0	0
Bicycle:	0	0	0
Motorized Bicycle:	0	0	0
Farm Equipment:	0	0	0
Hit and Run - Unknown:	0	0	0
Other:	0	0	0
Unknown:	0	0	0
Total:	11	10	0

Vehicle Movement	Veh 1	Veh 2	Veh 3
Going Straight:	6	0	0
Slowing:	2	0	0
Stopped in Traffic:	0	8	0
Making Right Turn:	3	2	0
Making Left Turn:	0	0	0
Making U-Turn:	0	0	0
Passing:	0	0	0
Backing:	0	0	0
Enter/Leave Parked Position:	0	0	0
Starting in Traffic:	0	0	0
Parked:	0	0	0
Changing Lanes:	0	0	0
Avoiding Object/Veh in Road:	0	0	0
Weaving:	0	0	0
Other:	0	0	0
Unknown:	0	0	0
Total:	11	10	0

Contributing Factor	Veh 1	Veh 2	Veh 3
No Apparent Contributing Factor:	4	10	0
Asleep at the Wheel:	0	0	0
Illness:	0	0	0
Distracted by Passenger:	0	0	0
Driver Inexperience:	1	0	0
Driver Fatigue:	0	0	0
Driver Preoccupied:	5	0	0
Driver Unfamiliar with Area:	0	0	0
Driver Emotionally Upset:	0	0	0
Evading Law Enforcement Officer:	0	0	0
Physical Disability:	0	0	0
Unknown:	1	0	0
Total:	11	10	0

Direction	Veh 1	Veh 2	Veh 3
North:	2	2	0
Northeast:	0	0	0
East:	0	0	0
Southeast:	0	0	0
South:	4	4	0
Southwest:	0	0	0
West:	5	4	0
Northwest:	0	0	0
Unknown:	0	0	0
Total:	11	10	0

Condition of Driver	Veh 1	Veh 2	Veh 3
No Impairment Suspected:	11	10	0
Alcohol Involved:	0	0	0
RX, Medication, or Drugs Involved:	0	0	0
Illegal Drugs Involved:	0	0	0
Alcohol and Drugs Involved:	0	0	0
Driver/Pedestrian not Observed:	0	0	0
Unknown:	0	0	0
Total:	11	10	0

ADT: 16,303 Length: 0.03

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User: Devin on DESIGN21

Detailed Summaries for Table 2



Colorado Department of Transportation
DiExSys™ Roadway Safety Systems
Detailed Summary of Crashes Report

05/12/2016

Job #: 20160512125527

Location: 93A 170A Begin: 13.61 End: 13.65 From:01/01/2010 To:12/31/2014

SH 170A Crashes 2010-2014

Severity

PDO:	12	
INJ:	7	9 :Injured
FAT:	0	0 :Killed
Total:	19	

Number of Vehicles

One Vehicle:	0
Two Vehicles:	19
Three or More:	0
Unknown:	0
Total:	19

Location

On Road:	19
Off Road Left:	0
Off Road Right:	0
Off Road at Tee:	0
Off in Median:	0
Unknown:	0
Total:	19

Lighting Conditions

Daylight:	17
Dawn or Dusk:	0
Dark - Lighted:	2
Dark - Unlighted:	0
Unknown:	0
Total:	19

Weather Conditions

None:	14
Rain:	0
Snow/Sleet/Hail:	3
Fog:	0
Dust:	0
Wind:	0
Unknown:	2
Total:	19

Crash Rates

PDO:	10.26*	* MVMT
INJ:	5.98*	** 100 MVMT
FAT:	0.00**	
Total:	16.24*	

Crash Type

Overtuning:	0	Bridge Abutment:	0
Other Non Collision:	0	Column/Pier:	0
Pedestrians:	0	Culvert/Headwall:	0
Broadside:	3	Embankment:	0
Head On:	0	Curb:	0
Rear End:	10	Delineator Post:	0
Sideswipe (Same):	3	Fence:	0
Sideswipe (Opposite):	0	Tree:	0
Approach Turn:	2	Large Boulders or Rocks:	0
Overtaking Turn:	0	Barricade:	0
Parked Motor Vehicle:	0	Wall/Building:	0
Railway Vehicle:	0	Crash Cushion:	0
Bicycle:	1	Mailbox:	0
Motorized Bicycle:	0	Other Fixed Object:	0
Domestic Animal:	0	Total Fixed Objects:	0
Wild Animal:	0	Rocks in Roadway:	0
Light/Utility Pole:	0	Vehicle Cargo/Debris:	0
Traffic Signal Pole:	0	Road Maintenance Equipment:	0
Sign:	0	Involving Other Object:	0
Bridge Rail:	0	Total Other Objects:	0
Guard Rail:	0	Unknown:	0
Cable Rail:	0	Total:	19
Concrete Barrier:	0		

Mainline/Ramps/Frontage Roads

Mainline:	19	Frontage/Ramp Intersections							
Crossroad (A):	0	M:	0	N:	0	O:	0	P:	0
Ramps									
B:	0	F:	0	J:	0	Left Frontage Rd (L):	0		
C:	0	G:	0	K:	0	Rt Frontage Rd (R):	0		
D:	0	H:	0	L:	0	HOV Lanes (V):	0		
E:	0	I:	0			Unknown:	0	Total:	19

Road Description

At Intersection:	12
At Driveway Access:	0
Intersection Related:	7
Non Intersection:	0
In Alley:	0
Roundabout:	0
Ramp:	0
Parking Lot:	0
Unknown:	0
Total:	19

Road Conditions

Dry:	16
Wet:	2
Muddy:	0
Snowy:	1
Icy:	0
Slushy:	0
Foreign Material:	0
With Road Treatment:	0
Dry w/Icy Road Treatment:	0
Wet w/Icy Road Treatment:	0
Snowy w/Icy Road Treatment:	0
Icy w/Icy Road Treatment:	0
Slushy w/Icy Road Treatment:	0
Unknown:	0
Total:	19

ADT: 16,020 Length: 0.04



Colorado Department of Transportation
DiExSys™ Roadway Safety Systems
Detailed Summary of Crashes Report

05/12/2016

Job #: 20160512125527

Location: 93A 170A Begin: 13.61 End: 13.65 From:01/01/2010 To:12/31/2014

SH 170A Crashes 2010-2014

Vehicle Type	Veh 1	Veh 2	Veh 3
Passenger Car/Van:	6	10	0
Passenger Car/Van w/Trl:	1	0	0
Pickup Truck/Utility Van:	4	5	0
Pickup Truck/Utility Van w/Trl:	0	0	0
SUV:	6	2	0
SUV w/Trl:	0	0	0
Truck 10k lbs or Less:	0	0	0
Trucks > 10k lbs/Bus > 15 People:	1	1	0
School Bus < 15 People:	0	0	0
Non School Bus < 15 People:	1	0	0
Motorhome:	0	0	0
Motorcycle:	0	0	0
Bicycle:	0	1	0
Motorized Bicycle:	0	0	0
Farm Equipment:	0	0	0
Hit and Run - Unknown:	0	0	0
Other:	0	0	0
Unknown:	0	0	0
Total:	19	19	0

Vehicle Movement	Veh 1	Veh 2	Veh 3
Going Straight:	10	7	0
Slowing:	0	0	0
Stopped in Traffic:	0	10	0
Making Right Turn:	2	2	0
Making Left Turn:	2	0	0
Making U-Turn:	0	0	0
Passing:	0	0	0
Backing:	2	0	0
Enter/Leave Parked Position:	0	0	0
Starting in Traffic:	0	0	0
Parked:	0	0	0
Changing Lanes:	3	0	0
Avoiding Object/Veh in Road:	0	0	0
Weaving:	0	0	0
Other:	0	0	0
Unknown:	0	0	0
Total:	19	19	0

Contributing Factor	Veh 1	Veh 2	Veh 3
No Apparent Contributing Factor:	8	19	0
Asleep at the Wheel:	0	0	0
Illness:	0	0	0
Distracted by Passenger:	0	0	0
Driver Inexperience:	3	0	0
Driver Fatigue:	0	0	0
Driver Preoccupied:	5	0	0
Driver Unfamiliar with Area:	1	0	0
Driver Emotionally Upset:	0	0	0
Evading Law Enforcement Officer:	0	0	0
Physical Disability:	0	0	0
Unknown:	2	0	0
Total:	19	19	0

Direction	Veh 1	Veh 2	Veh 3
North:	6	7	0
Northeast:	0	0	0
East:	1	2	0
Southeast:	0	0	0
South:	10	6	0
Southwest:	0	0	0
West:	2	4	0
Northwest:	0	0	0
Unknown:	0	0	0
Total:	19	19	0

Condition of Driver	Veh 1	Veh 2	Veh 3
No Impairment Suspected:	19	19	0
Alcohol Involved:	0	0	0
RX, Medication, or Drugs Involved:	0	0	0
Illegal Drugs Involved:	0	0	0
Alcohol and Drugs Involved:	0	0	0
Driver/Pedestrian not Observed:	0	0	0
Unknown:	0	0	0
Total:	19	19	0

ADT: 16,020 Length: 0.04

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User: Devin on DESIGN21

Detailed Summaries for Table 2



Colorado Department of Transportation
DiExSys™ Roadway Safety Systems
Detailed Summary of Crashes Report

08/16/2016

Job #: 20160816100853

Location: 470A Begin: 12.45 End: 12.50 From:01/01/2010 To:12/31/2014

C-470/Kipling Pkwy Interchange EB Ramp Terminal Crashes 2010-2014

Severity

PDO: 6
 INJ: 2 3 :Injured
 FAT: 0 0 :Killed

Total: 8

Number of Vehicles

One Vehicle: 0
 Two Vehicles: 8
 Three or More: 0
 Unknown: 0

Total: 8

Location

On Road: 8
 Off Road Left: 0
 Off Road Right: 0
 Off Road at Tee: 0
 Off in Median: 0
 Unknown: 0

Total: 8

Lighting Conditions

Daylight: 6
 Dawn or Dusk: 1
 Dark - Lighted: 1
 Dark - Unlighted: 0
 Unknown: 0

Total: 8

Weather Conditions

None: 7
 Rain: 0
 Snow/Sleet/Hail: 1
 Fog: 0
 Dust: 0
 Wind: 0
 Unknown: 0

Total: 8

Crash Rates

PDO: 1.11 * * MVMT
 INJ: 0.37 * ** 100 MVMT
 FAT: 0.00 ** **Total: 1.48 ***

Crash Type

Overtuning: 0	Bridge Abutment: 0
Other Non Collision: 0	Column/Pier: 0
Pedestrians: 0	Culvert/Headwall: 0
Broadside: 2	Embankment: 0
Head On: 0	Curb: 0
Rear End: 2	Delineator Post: 0
Sideswipe (Same): 2	Fence: 0
Sideswipe (Opposite): 0	Tree: 0
Approach Turn: 2	Large Boulders or Rocks: 0
Overtaking Turn: 0	Barricade: 0
Parked Motor Vehicle: 0	Wall/Building: 0
Railway Vehicle: 0	Crash Cushion: 0
Bicycle: 0	Mailbox: 0
Motorized Bicycle: 0	Other Fixed Object: 0
Domestic Animal: 0	Total Fixed Objects: 0
Wild Animal: 0	Rocks in Roadway: 0
Light/Utility Pole: 0	Vehicle Cargo/Debris: 0
Traffic Signal Pole: 0	Road Maintenance Equipment: 0
Sign: 0	Involving Other Object: 0
Bridge Rail: 0	Total Other Objects: 0
Guard Rail: 0	Unknown: 0
Cable Rail: 0	Total: 8
Concrete Barrier: 0	

Mainline/Ramps/Frontage Roads

Mainline: 0
 Crossroad (A): 0

Frontage/Ramp Intersections

M: 0 N: 0 O: 8 P: 0

Ramps

B: 0 F: 0 J: 0
 C: 0 G: 0 K: 0
 D: 0 H: 0 L: 0
 E: 0 I: 0

Left Frontage Rd (L): 0
 Rt Frontage Rd (R): 0
 HOV Lanes (V): 0

Unknown: 0 **Total: 8**

Road Description

At Intersection: 5
 At Driveway Access: 0
 Intersection Related: 3
 Non Intersection: 0
 In Alley: 0
 Roundabout: 0
 Ramp: 0
 Parking Lot: 0
 Unknown: 0

Total: 8

Road Conditions

Dry: 7
 Wet: 0
 Muddy: 0
 Snowy: 1
 Icy: 0
 Slushy: 0
 Foreign Material: 0
 With Road Treatment: 0
 Dry w/Icy Road Treatment: 0
 Wet w/Icy Road Treatment: 0
 Snowy w/Icy Road Treatment: 0
 Icy w/Icy Road Treatment: 0
 Slushy w/Icy Road Treatment: 0
 Unknown: 0

Total: 8

ADT: 60,400 Length: 0.04



Colorado Department of Transportation
DiExSys™ Roadway Safety Systems
Detailed Summary of Crashes Report

08/16/2016

Job #: 20160816100853

Location: 470A Begin: 12.45 End: 12.50 From:01/01/2010 To:12/31/2014

C-470/Kipling Pkwy Interchange EB Ramp Terminal Crashes 2010-2014

Vehicle Type	Veh 1	Veh 2	Veh 3	Vehicle Movement	Veh 1	Veh 2	Veh 3
Passenger Car/Van:	5	4	0	Going Straight:	2	3	0
Passenger Car/Van w/Trl:	0	0	0	Slowing:	0	0	0
Pickup Truck/Utility Van:	0	0	0	Stopped in Traffic:	0	2	0
Pickup Truck/Utility Van w/Trl:	0	0	0	Making Right Turn:	0	0	0
SUV:	3	3	0	Making Left Turn:	4	3	0
SUV w/Trl:	0	0	0	Making U-Turn:	0	0	0
Truck 10k lbs or Less:	0	0	0	Passing:	0	0	0
Trucks > 10k lbs/Bus > 15 People:	0	0	0	Backing:	0	0	0
School Bus < 15 People:	0	0	0	Enter/Leave Parked Position:	0	0	0
Non School Bus < 15 People:	0	1	0	Starting in Traffic:	0	0	0
Motorhome:	0	0	0	Parked:	0	0	0
Motorcycle:	0	0	0	Changing Lanes:	1	0	0
Bicycle:	0	0	0	Avoiding Object/Veh in Road:	0	0	0
Motorized Bicycle:	0	0	0	Weaving:	0	0	0
Farm Equipment:	0	0	0	Other:	1	0	0
Hit and Run - Unknown:	0	0	0	Unknown:	0	0	0
Other:	0	0	0	Total:	8	8	0
Unknown:	0	0	0				
Total:	8	8	0				

Direction	Veh 1	Veh 2	Veh 3
North:	3	2	0
Northeast:	0	0	0
East:	3	2	0
Southeast:	0	0	0
South:	2	3	0
Southwest:	0	0	0
West:	0	1	0
Northwest:	0	0	0
Unknown:	0	0	0
Total:	8	8	0

Contributing Factor	Veh 1	Veh 2	Veh 3
No Apparent Contributing Factor:	5	8	0
Asleep at the Wheel:	0	0	0
Illness:	0	0	0
Distracted by Passenger:	0	0	0
Driver Inexperience:	0	0	0
Driver Fatigue:	0	0	0
Driver Preoccupied:	1	0	0
Driver Unfamiliar with Area:	0	0	0
Driver Emotionally Upset:	1	0	0
Evading Law Enforcement Officer:	0	0	0
Physical Disability:	0	0	0
Unknown:	1	0	0
Total:	8	8	0

Condition of Driver	Veh 1	Veh 2	Veh 3
No Impairment Suspected:	8	8	0
Alcohol Involved:	0	0	0
RX, Medication, or Drugs Involved:	0	0	0
Illegal Drugs Involved:	0	0	0
Alcohol and Drugs Involved:	0	0	0
Driver/Pedestrian not Observed:	0	0	0
Unknown:	0	0	0
Total:	8	8	0

ADT: 60,400 Length: 0.04

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Colorado Department of Transportation
DiExSys™ Roadway Safety Systems
Detailed Summary of Crashes Report

08/16/2016

Job #: 20160816101146

Location: 470A Begin: 12.45 End: 12.50 From:01/01/2010 To:12/31/2014

C-470/Kipling Pkwy Interchange WB Ramp Terminal Crashes 2010-2014

Severity	
PDO:	6
INJ:	4 4 :Injured
FAT:	0 0 :Killed
Total:	10

Number of Vehicles	
One Vehicle:	0
Two Vehicles:	10
Three or More:	0
Unknown:	0
Total:	10

Location	
On Road:	10
Off Road Left:	0
Off Road Right:	0
Off Road at Tee:	0
Off in Median:	0
Unknown:	0
Total:	10

Lighting Conditions	
Daylight:	7
Dawn or Dusk:	0
Dark - Lighted:	2
Dark - Unlighted:	1
Unknown:	0
Total:	10

Weather Conditions	
None:	9
Rain:	1
Snow/Sleet/Hail:	0
Fog:	0
Dust:	0
Wind:	0
Unknown:	0
Total:	10

Crash Rates	
PDO:	1.11 * * MVMT
INJ:	0.74 * ** 100 MVMT
FAT:	0.00 **
Total:	1.85 *

Crash Type	
Overtuning:	0
Other Non Collision:	0
Pedestrians:	0
Broadside:	0
Head On:	0
Rear End:	3
Sideswipe (Same):	0
Sideswipe (Opposite):	0
Approach Turn:	7
Overtaking Turn:	0
Parked Motor Vehicle:	0
Railway Vehicle:	0
Bicycle:	0
Motorized Bicycle:	0
Domestic Animal:	0
Wild Animal:	0
Light/Utility Pole:	0
Traffic Signal Pole:	0
Sign:	0
Bridge Rail:	0
Guard Rail:	0
Cable Rail:	0
Concrete Barrier:	0
Bridge Abutment:	0
Column/Pier:	0
Culvert/Headwall:	0
Embankment:	0
Curb:	0
Delineator Post:	0
Fence:	0
Tree:	0
Large Boulders or Rocks:	0
Barricade:	0
Wall/Building:	0
Crash Cushion:	0
Mailbox:	0
Other Fixed Object:	0
Total Fixed Objects:	0
Rocks in Roadway:	0
Vehicle Cargo/Debris:	0
Road Maintenance Equipment:	0
Involving Other Object:	0
Total Other Objects:	0
Unknown:	0
Total:	10

Mainline/Ramps/Frontage Roads	
Mainline:	0
Crossroad (A):	0
Ramps	
B: 0 F: 0 J: 0	
C: 0 G: 0 K: 0	
D: 0 H: 0 L: 0	
E: 0 I: 0	
Frontage/Ramp Intersections	
M: 0 N: 10 O: 0 P: 0	
Left Frontage Rd (L):	0
Rt Frontage Rd (R):	0
HOV Lanes (V):	0
Unknown:	0
Total:	10

Road Description	
At Intersection:	9
At Driveway Access:	0
Intersection Related:	1
Non Intersection:	0
In Alley:	0
Roundabout:	0
Ramp:	0
Parking Lot:	0
Unknown:	0
Total:	10

Road Conditions	
Dry:	9
Wet:	1
Muddy:	0
Snowy:	0
Icy:	0
Slushy:	0
Foreign Material:	0
With Road Treatment:	0
Dry w/Icy Road Treatment:	0
Wet w/Icy Road Treatment:	0
Snowy w/Icy Road Treatment:	0
Icy w/Icy Road Treatment:	0
Slushy w/Icy Road Treatment:	0
Unknown:	0
Total:	10

ADT: 60,400 Length: 0.04



Colorado Department of Transportation
DiExSys™ Roadway Safety Systems
Detailed Summary of Crashes Report

08/16/2016

Job #: 20160816101146

Location: 470A Begin: 12.45 End: 12.50 From:01/01/2010 To:12/31/2014

C-470/Kipling Pkwy Interchange WB Ramp Terminal Crashes 2010-2014

Vehicle Type	Veh 1	Veh 2	Veh 3	Vehicle Movement	Veh 1	Veh 2	Veh 3
Passenger Car/Van:	6	8	0	Going Straight:	4	6	0
Passenger Car/Van w/Trl:	0	0	0	Slowing:	0	0	0
Pickup Truck/Utility Van:	2	0	0	Stopped in Traffic:	0	2	0
Pickup Truck/Utility Van w/Trl:	1	0	0	Making Right Turn:	0	1	0
SUV:	1	1	0	Making Left Turn:	6	1	0
SUV w/Trl:	0	0	0	Making U-Turn:	0	0	0
Truck 10k lbs or Less:	0	0	0	Passing:	0	0	0
Trucks > 10k lbs/Bus > 15 People:	0	0	0	Backing:	0	0	0
School Bus < 15 People:	0	1	0	Enter/Leave Parked Position:	0	0	0
Non School Bus < 15 People:	0	0	0	Starting in Traffic:	0	0	0
Motorhome:	0	0	0	Parked:	0	0	0
Motorcycle:	0	0	0	Changing Lanes:	0	0	0
Bicycle:	0	0	0	Avoiding Object/Veh in Road:	0	0	0
Motorized Bicycle:	0	0	0	Weaving:	0	0	0
Farm Equipment:	0	0	0	Other:	0	0	0
Hit and Run - Unknown:	0	0	0	Unknown:	0	0	0
Other:	0	0	0	Total:	10	10	0
Unknown:	0	0	0				
Total:	10	10	0				

Contributing Factor	Veh 1	Veh 2	Veh 3	Direction	Veh 1	Veh 2	Veh 3
No Apparent Contributing Factor:	7	10	0	North:	6	1	0
Asleep at the Wheel:	0	0	0	Northeast:	0	0	0
Illness:	0	0	0	East:	0	0	0
Distracted by Passenger:	0	0	0	Southeast:	0	0	0
Driver Inexperience:	0	0	0	South:	3	8	0
Driver Fatigue:	0	0	0	Southwest:	0	0	0
Driver Preoccupied:	1	0	0	West:	1	1	0
Driver Unfamiliar with Area:	0	0	0	Northwest:	0	0	0
Driver Emotionally Upset:	1	0	0	Unknown:	0	0	0
Evading Law Enforcement Officer:	0	0	0	Total:	10	10	0
Physical Disability:	0	0	0				
Unknown:	1	0	0				
Total:	10	10	0				

Condition of Driver	Veh 1	Veh 2	Veh 3
No Impairment Suspected:	10	10	0
Alcohol Involved:	0	0	0
RX, Medication, or Drugs Involved:	0	0	0
Illegal Drugs Involved:	0	0	0
Alcohol and Drugs Involved:	0	0	0
Driver/Pedestrian not Observed:	0	0	0
Unknown:	0	0	0
Total:	10	10	0

ADT: 60,400 Length: 0.04

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Colorado Department of Transportation
DiExSys™ Roadway Safety Systems
Detailed Summary of Crashes Report

08/16/2016

Job #: 20160816100135

Location: 470A Begin: 10.18 End: 10.20 From:01/01/2010 To:12/31/2014

C-470/Ken Caryl Ave Interchange EB Ramp Terminal Crashes 2010-2014

Severity

PDO: 12
 INJ: 2 4 :Injured
 FAT: 0 0 :Killed

Total: 14

Number of Vehicles

One Vehicle: 1
 Two Vehicles: 13
 Three or More: 0
 Unknown: 0

Total: 14

Location

On Road: 14
 Off Road Left: 0
 Off Road Right: 0
 Off Road at Tee: 0
 Off in Median: 0
 Unknown: 0

Total: 14

Lighting Conditions

Daylight: 9
 Dawn or Dusk: 0
 Dark - Lighted: 3
 Dark - Unlighted: 2
 Unknown: 0

Total: 14

Weather Conditions

None: 14
 Rain: 0
 Snow/Sleet/Hail: 0
 Fog: 0
 Dust: 0
 Wind: 0
 Unknown: 0

Total: 14

Crash Rates

PDO: 5.72* * MVMT
 INJ: 0.95* ** 100 MVMT
 FAT: 0.00** **Total: 6.67***

Crash Type

Overtuning: 0	Bridge Abutment: 0
Other Non Collision: 0	Column/Pier: 0
Pedestrians: 0	Culvert/Headwall: 0
Broadside: 2	Embankment: 0
Head On: 0	Curb: 0
Rear End: 6	Delineator Post: 0
Sideswipe (Same): 0	Fence: 0
Sideswipe (Opposite): 0	Tree: 0
Approach Turn: 5	Large Boulders or Rocks: 0
Overtaking Turn: 0	Barricade: 0
Parked Motor Vehicle: 0	Wall/Building: 0
Railway Vehicle: 0	Crash Cushion: 0
Bicycle: 0	Mailbox: 0
Motorized Bicycle: 0	Other Fixed Object: 0
Domestic Animal: 0	Total Fixed Objects: 0
Wild Animal: 1	Rocks in Roadway: 0
Light/Utility Pole: 0	Vehicle Cargo/Debris: 0
Traffic Signal Pole: 0	Road Maintenance Equipment: 0
Sign: 0	Involving Other Object: 0
Bridge Rail: 0	Total Other Objects: 0
Guard Rail: 0	Unknown: 0
Cable Rail: 0	
Concrete Barrier: 0	

Total: 14

Mainline/Ramps/Frontage Roads

Mainline: 0
 Crossroad (A): 0

Frontage/Ramp Intersections

M: 0 N: 0 O: 14 P: 0

Ramps

B: 0 F: 0 J: 0
 C: 0 G: 0 K: 0
 D: 0 H: 0 L: 0
 E: 0 I: 0

Left Frontage Rd (L): 0
 Rt Frontage Rd (R): 0
 HOV Lanes (V): 0

Unknown: 0

Total: 14

Road Description

At Intersection: 7
 At Driveway Access: 0
 Intersection Related: 7
 Non Intersection: 0
 In Alley: 0
 Roundabout: 0
 Ramp: 0
 Parking Lot: 0
 Unknown: 0

Total: 14

Road Conditions

Dry: 13
 Wet: 0
 Muddy: 0
 Snowy: 0
 Icy: 1
 Slushy: 0
 Foreign Material: 0
 With Road Treatment: 0
 Dry w/Icy Road Treatment: 0
 Wet w/Icy Road Treatment: 0
 Snowy w/Icy Road Treatment: 0
 Icy w/Icy Road Treatment: 0
 Slushy w/Icy Road Treatment: 0
 Unknown: 0

Total: 14

ADT: 54,712 Length: 0.02



Colorado Department of Transportation
DiExSys™ Roadway Safety Systems
Detailed Summary of Crashes Report

08/16/2016

Job #: 20160816100135

Location: 470A Begin: 10.18 End: 10.20 From:01/01/2010 To:12/31/2014

C-470/Ken Caryl Ave Interchange EB Ramp Terminal Crashes 2010-2014

Vehicle Type	Veh 1	Veh 2	Veh 3	Vehicle Movement	Veh 1	Veh 2	Veh 3
Passenger Car/Van:	6	9	0	Going Straight:	12	0	0
Passenger Car/Van w/Trl:	0	0	0	Slowing:	1	0	0
Pickup Truck/Utility Van:	2	1	0	Stopped in Traffic:	0	6	0
Pickup Truck/Utility Van w/Trl:	0	0	0	Making Right Turn:	0	0	0
SUV:	6	3	0	Making Left Turn:	0	7	0
SUV w/Trl:	0	0	0	Making U-Turn:	0	0	0
Truck 10k lbs or Less:	0	0	0	Passing:	0	0	0
Trucks > 10k lbs/Bus > 15 People:	0	0	0	Backing:	0	0	0
School Bus < 15 People:	0	0	0	Enter/Leave Parked Position:	0	0	0
Non School Bus < 15 People:	0	0	0	Starting in Traffic:	0	0	0
Motorhome:	0	0	0	Parked:	0	0	0
Motorcycle:	0	0	0	Changing Lanes:	0	0	0
Bicycle:	0	0	0	Avoiding Object/Veh in Road:	0	0	0
Motorized Bicycle:	0	0	0	Weaving:	0	0	0
Farm Equipment:	0	0	0	Other:	0	0	0
Hit and Run - Unknown:	0	0	0	Unknown:	1	0	0
Other:	0	0	0	Total:	14	13	0
Unknown:	0	0	0				
Total:	14	13	0				

Direction	Veh 1	Veh 2	Veh 3
North:	1	0	0
Northeast:	0	0	0
East:	8	2	0
Southeast:	0	0	0
South:	3	5	0
Southwest:	0	0	0
West:	2	6	0
Northwest:	0	0	0
Unknown:	0	0	0
Total:	14	13	0

Contributing Factor	Veh 1	Veh 2	Veh 3
No Apparent Contributing Factor:	3	13	0
Asleep at the Wheel:	0	0	0
Illness:	0	0	0
Distracted by Passenger:	0	0	0
Driver Inexperience:	0	0	0
Driver Fatigue:	0	0	0
Driver Preoccupied:	3	0	0
Driver Unfamiliar with Area:	0	0	0
Driver Emotionally Upset:	1	0	0
Evading Law Enforcement Officer:	1	0	0
Physical Disability:	0	0	0
Unknown:	6	0	0
Total:	14	13	0

Condition of Driver	Veh 1	Veh 2	Veh 3
No Impairment Suspected:	13	13	0
Alcohol Involved:	1	0	0
RX, Medication, or Drugs Involved:	0	0	0
Illegal Drugs Involved:	0	0	0
Alcohol and Drugs Involved:	0	0	0
Driver/Pedestrian not Observed:	0	0	0
Unknown:	0	0	0
Total:	14	13	0

ADT: 54,712 Length: 0.02

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Page 2

User: Devin.Joslin on DESIGN21

Detailed Summaries for Table 3



Colorado Department of Transportation
 DiExSys™ Roadway Safety Systems
 Detailed Summary of Crashes Report

08/16/2016

Job #: 20160816100311

Location: 470A Begin: 10.18 End: 10.20 From:01/01/2010 To:12/31/2014

C-470/Ken Caryl Ave Interchange WB Ramp Terminal Crashes 2010-2014

Severity

PDO: 16
 INJ: 7 15 :Injured
 FAT: 0 0 :Killed

Total: 23

Number of Vehicles

One Vehicle: 0
 Two Vehicles: 21
 Three or More: 2
 Unknown: 0

Total: 23

Location

On Road: 23
 Off Road Left: 0
 Off Road Right: 0
 Off Road at Tee: 0
 Off in Median: 0
 Unknown: 0

Total: 23

Lighting Conditions

Daylight: 20
 Dawn or Dusk: 0
 Dark - Lighted: 2
 Dark - Unlighted: 1
 Unknown: 0

Total: 23

Weather Conditions

None: 21
 Rain: 2
 Snow/Sleet/Hail: 0
 Fog: 0
 Dust: 0
 Wind: 0
 Unknown: 0

Total: 23

Crash Rates

PDO: 7.63* * MVMT
 INJ: 3.34* ** 100 MVMT
 FAT: 0.00** **Total: 10.96***

Crash Type

Overtuning: 0	Bridge Abutment: 0
Other Non Collision: 0	Column/Pier: 0
Pedestrians: 0	Culvert/Headwall: 0
Broadside: 8	Embankment: 0
Head On: 0	Curb: 0
Rear End: 10	Delineator Post: 0
Sideswipe (Same): 1	Fence: 0
Sideswipe (Opposite): 0	Tree: 0
Approach Turn: 4	Large Boulders or Rocks: 0
Overtaking Turn: 0	Barricade: 0
Parked Motor Vehicle: 0	Wall/Building: 0
Railway Vehicle: 0	Crash Cushion: 0
Bicycle: 0	Mailbox: 0
Motorized Bicycle: 0	Other Fixed Object: 0
Domestic Animal: 0	Total Fixed Objects: 0
Wild Animal: 0	Rocks in Roadway: 0
Light/Utility Pole: 0	Vehicle Cargo/Debris: 0
Traffic Signal Pole: 0	Road Maintenance Equipment: 0
Sign: 0	Involving Other Object: 0
Bridge Rail: 0	Total Other Objects: 0
Guard Rail: 0	Unknown: 0
Cable Rail: 0	
Concrete Barrier: 0	

Total: 23

Mainline/Ramps/Frontage Roads

Mainline: 0
 Crossroad (A): 0

Frontage/Ramp Intersections

M: 0 N: 23 O: 0 P: 0

Ramps

B: 0 F: 0 J: 0
 C: 0 G: 0 K: 0
 D: 0 H: 0 L: 0
 E: 0 I: 0

Left Frontage Rd (L): 0
 Rt Frontage Rd (R): 0
 HOV Lanes (V): 0

Unknown: 0

Total: 23

Road Description

At Intersection: 19
 At Driveway Access: 0
 Intersection Related: 4
 Non Intersection: 0
 In Alley: 0
 Roundabout: 0
 Ramp: 0
 Parking Lot: 0
 Unknown: 0

Total: 23

Road Conditions

Dry: 20
 Wet: 3
 Muddy: 0
 Snowy: 0
 Icy: 0
 Slushy: 0
 Foreign Material: 0
 With Road Treatment: 0
 Dry w/Icy Road Treatment: 0
 Wet w/Icy Road Treatment: 0
 Snowy w/Icy Road Treatment: 0
 Icy w/Icy Road Treatment: 0
 Slushy w/Icy Road Treatment: 0
 Unknown: 0

Total: 23

ADT: 54,712 Length: 0.02



Colorado Department of Transportation
DiExSys™ Roadway Safety Systems
Detailed Summary of Crashes Report

08/16/2016

Job #: 20160816100311

Location: 470A Begin: 10.18 End: 10.20 From:01/01/2010 To:12/31/2014

C-470/Ken Caryl Ave Interchange WB Ramp Terminal Crashes 2010-2014

Vehicle Type	Veh 1	Veh 2	Veh 3	Vehicle Movement	Veh 1	Veh 2	Veh 3
Passenger Car/Van:	11	9	1	Going Straight:	14	6	0
Passenger Car/Van w/Trl:	0	0	0	Slowing:	1	2	0
Pickup Truck/Utility Van:	2	5	0	Stopped in Traffic:	0	7	1
Pickup Truck/Utility Van w/Trl:	0	1	0	Making Right Turn:	2	0	0
SUV:	10	7	1	Making Left Turn:	4	8	1
SUV w/Trl:	0	0	0	Making U-Turn:	1	0	0
Truck 10k lbs or Less:	0	0	0	Passing:	0	0	0
Trucks > 10k lbs/Bus > 15 People:	0	0	0	Backing:	0	0	0
School Bus < 15 People:	0	0	0	Enter/Leave Parked Position:	0	0	0
Non School Bus < 15 People:	0	0	0	Starting in Traffic:	0	0	0
Motorhome:	0	0	0	Parked:	0	0	0
Motorcycle:	0	1	0	Changing Lanes:	0	0	0
Bicycle:	0	0	0	Avoiding Object/Veh in Road:	0	0	0
Motorized Bicycle:	0	0	0	Weaving:	0	0	0
Farm Equipment:	0	0	0	Other:	0	0	0
Hit and Run - Unknown:	0	0	0	Unknown:	1	0	0
Other:	0	0	0	Total:	23	23	2
Unknown:	0	0	0				
Total:	23	23	2				

Contributing Factor	Veh 1	Veh 2	Veh 3	Direction	Veh 1	Veh 2	Veh 3
No Apparent Contributing Factor:	8	22	2	North:	1	8	1
Asleep at the Wheel:	0	0	0	Northeast:	0	0	0
Illness:	0	0	0	East:	11	6	0
Distracted by Passenger:	0	0	0	Southeast:	0	0	0
Driver Inexperience:	1	0	0	South:	1	1	0
Driver Fatigue:	0	0	0	Southwest:	0	0	0
Driver Preoccupied:	6	1	0	West:	10	8	1
Driver Unfamiliar with Area:	0	0	0	Northwest:	0	0	0
Driver Emotionally Upset:	0	0	0	Unknown:	0	0	0
Evading Law Enforcement Officer:	0	0	0	Total:	23	23	2
Physical Disability:	0	0	0				
Unknown:	8	0	0				
Total:	23	23	2				

Condition of Driver	Veh 1	Veh 2	Veh 3
No Impairment Suspected:	23	23	2
Alcohol Involved:	0	0	0
RX, Medication, or Drugs Involved:	0	0	0
Illegal Drugs Involved:	0	0	0
Alcohol and Drugs Involved:	0	0	0
Driver/Pedestrian not Observed:	0	0	0
Unknown:	0	0	0
Total:	23	23	2

ADT: 54,712 Length: 0.02

Any intentional or inadvertent release of this data or any data derived from its use shall not constitute a waiver of privilege pursuant to 23 USC 409.



Colorado Department of Transportation
 DiExSys™ Roadway Safety Systems
 Detailed Summary of Crashes Report

08/16/2016

Job #: 20160816095132

Location: 470A Begin: 7.90 End: 7.92 From:01/01/2010 To:12/31/2014

C-470/Bowles Ave Interchange EB Ramp Terminal Crashes 2010-2014

Severity

PDO:	6	
INJ:	4	7 :Injured
FAT:	0	0 :Killed
Total:	10	

Number of Vehicles

One Vehicle:	0
Two Vehicles:	8
Three or More:	2
Unknown:	0
Total:	10

Location

On Road:	10
Off Road Left:	0
Off Road Right:	0
Off Road at Tee:	0
Off in Median:	0
Unknown:	0
Total:	10

Lighting Conditions

Daylight:	7
Dawn or Dusk:	0
Dark - Lighted:	3
Dark - Unlighted:	0
Unknown:	0
Total:	10

Weather Conditions

None:	9
Rain:	1
Snow/Sleet/Hail:	0
Fog:	0
Dust:	0
Wind:	0
Unknown:	0
Total:	10

Crash Rates

PDO:	2.76*	* MVMT
INJ:	1.84*	** 100 MVMT
FAT:	0.00**	
Total:	4.59*	

Crash Type

Overtuning:	0	Bridge Abutment:	0
Other Non Collision:	0	Column/Pier:	0
Pedestrians:	0	Culvert/Headwall:	0
Broadside:	1	Embankment:	0
Head On:	0	Curb:	0
Rear End:	5	Delineator Post:	0
Sideswipe (Same):	0	Fence:	0
Sideswipe (Opposite):	0	Tree:	0
Approach Turn:	3	Large Boulders or Rocks:	0
Overtaking Turn:	0	Barricade:	0
Parked Motor Vehicle:	0	Wall/Building:	0
Railway Vehicle:	0	Crash Cushion:	0
Bicycle:	1	Mailbox:	0
Motorized Bicycle:	0	Other Fixed Object:	0
Domestic Animal:	0	Total Fixed Objects:	0
Wild Animal:	0	Rocks in Roadway:	0
Light/Utility Pole:	0	Vehicle Cargo/Debris:	0
Traffic Signal Pole:	0	Road Maintenance Equipment:	0
Sign:	0	Involving Other Object:	0
Bridge Rail:	0	Total Other Objects:	0
Guard Rail:	0	Unknown:	0
Cable Rail:	0	Total:	10
Concrete Barrier:	0		

Mainline/Ramps/Frontage Roads

Mainline:	0	Frontage/Ramp Intersections			
Crossroad (A):	0	M:	0	N:	0
		O:	10	P:	0
Ramps					
B:	0	F:	0	J:	0
C:	0	G:	0	K:	0
D:	0	H:	0	L:	0
E:	0	I:	0		
		Left Frontage Rd (L):	0		
		Rt Frontage Rd (R):	0		
		HOV Lanes (V):	0		
		Unknown:	0	Total:	10

Road Description

At Intersection:	6
At Driveway Access:	0
Intersection Related:	4
Non Intersection:	0
In Alley:	0
Roundabout:	0
Ramp:	0
Parking Lot:	0
Unknown:	0
Total:	10

Road Conditions

Dry:	9
Wet:	1
Muddy:	0
Snowy:	0
Icy:	0
Slushy:	0
Foreign Material:	0
With Road Treatment:	0
Dry w/Icy Road Treatment:	0
Wet w/Icy Road Treatment:	0
Snowy w/Icy Road Treatment:	0
Icy w/Icy Road Treatment:	0
Slushy w/Icy Road Treatment:	0
Unknown:	0
Total:	10

ADT: 59,600 Length: 0.02



Colorado Department of Transportation
DiExSys™ Roadway Safety Systems
Detailed Summary of Crashes Report

08/16/2016

Job #: 20160816095132

Location: 470A Begin: 7.90 End: 7.92 From:01/01/2010 To:12/31/2014

C-470/Bowles Ave Interchange EB Ramp Terminal Crashes 2010-2014

Vehicle Type	Veh 1	Veh 2	Veh 3	Vehicle Movement	Veh 1	Veh 2	Veh 3
Passenger Car/Van:	4	5	1	Going Straight:	7	4	0
Passenger Car/Van w/Trl:	0	0	0	Slowing:	0	1	0
Pickup Truck/Utility Van:	1	2	0	Stopped in Traffic:	0	4	1
Pickup Truck/Utility Van w/Trl:	0	0	0	Making Right Turn:	0	0	0
SUV:	4	3	1	Making Left Turn:	3	1	1
SUV w/Trl:	0	0	0	Making U-Turn:	0	0	0
Truck 10k lbs or Less:	0	0	0	Passing:	0	0	0
Trucks > 10k lbs/Bus > 15 People:	0	0	0	Backing:	0	0	0
School Bus < 15 People:	0	0	0	Enter/Leave Parked Position:	0	0	0
Non School Bus < 15 People:	0	0	0	Starting in Traffic:	0	0	0
Motorhome:	0	0	0	Parked:	0	0	0
Motorcycle:	0	0	0	Changing Lanes:	0	0	0
Bicycle:	1	0	0	Avoiding Object/Veh in Road:	0	0	0
Motorized Bicycle:	0	0	0	Weaving:	0	0	0
Farm Equipment:	0	0	0	Other:	0	0	0
Hit and Run - Unknown:	0	0	0	Unknown:	0	0	0
Other:	0	0	0	Total:	10	10	2
Unknown:	0	0	0				
Total:	10	10	2				

Contributing Factor	Veh 1	Veh 2	Veh 3	Direction	Veh 1	Veh 2	Veh 3
No Apparent Contributing Factor:	5	10	2	North:	0	0	0
Asleep at the Wheel:	0	0	0	Northeast:	0	0	0
Illness:	0	0	0	East:	4	6	1
Distracted by Passenger:	1	0	0	Southeast:	0	0	0
Driver Inexperience:	0	0	0	South:	2	2	1
Driver Fatigue:	0	0	0	Southwest:	0	0	0
Driver Preoccupied:	2	0	0	West:	4	2	0
Driver Unfamiliar with Area:	0	0	0	Northwest:	0	0	0
Driver Emotionally Upset:	0	0	0	Unknown:	0	0	0
Evading Law Enforcement Officer:	0	0	0	Total:	10	10	2
Physical Disability:	0	0	0				
Unknown:	2	0	0				
Total:	10	10	2				

Condition of Driver	Veh 1	Veh 2	Veh 3
No Impairment Suspected:	9	10	2
Alcohol Involved:	1	0	0
RX, Medication, or Drugs Involved:	0	0	0
Illegal Drugs Involved:	0	0	0
Alcohol and Drugs Involved:	0	0	0
Driver/Pedestrian not Observed:	0	0	0
Unknown:	0	0	0
Total:	10	10	2

ADT: 59,600 Length: 0.02

Any intentional or inadvertent release of this data or any data derived from its use shall not constitute a waiver of privilege pursuant to 23 USC 409.



Colorado Department of Transportation
DiExSys™ Roadway Safety Systems
Detailed Summary of Crashes Report

08/16/2016

Job #: 20160816095835

Location: 470A Begin: 7.90 End: 7.92 From:01/01/2010 To:12/31/2014

C-470/Bowles Ave Interchange WB Ramp Terminal Crashes 2010-2014

Severity	
PDO:	4
INJ:	2 3 :Injured
FAT:	0 0 :Killed
Total:	6

Number of Vehicles	
One Vehicle:	0
Two Vehicles:	6
Three or More:	0
Unknown:	0
Total:	6

Location	
On Road:	6
Off Road Left:	0
Off Road Right:	0
Off Road at Tee:	0
Off in Median:	0
Unknown:	0
Total:	6

Lighting Conditions	
Daylight:	5
Dawn or Dusk:	0
Dark - Lighted:	1
Dark - Unlighted:	0
Unknown:	0
Total:	6

Weather Conditions	
None:	6
Rain:	0
Snow/Sleet/Hail:	0
Fog:	0
Dust:	0
Wind:	0
Unknown:	0
Total:	6

Crash Rates	
PDO:	1.84* * MVMT
INJ:	0.92* ** 100 MVMT
FAT:	0.00**
Total:	2.76*

Crash Type	
Overtuning:	0
Other Non Collision:	0
Pedestrians:	0
Broadside:	2
Head On:	0
Rear End:	2
Sideswipe (Same):	0
Sideswipe (Opposite):	0
Approach Turn:	2
Overtaking Turn:	0
Parked Motor Vehicle:	0
Railway Vehicle:	0
Bicycle:	0
Motorized Bicycle:	0
Domestic Animal:	0
Wild Animal:	0
Light/Utility Pole:	0
Traffic Signal Pole:	0
Sign:	0
Bridge Rail:	0
Guard Rail:	0
Cable Rail:	0
Concrete Barrier:	0
Bridge Abutment:	0
Column/Pier:	0
Culvert/Headwall:	0
Embankment:	0
Curb:	0
Delineator Post:	0
Fence:	0
Tree:	0
Large Boulders or Rocks:	0
Barricade:	0
Wall/Building:	0
Crash Cushion:	0
Mailbox:	0
Other Fixed Object:	0
Total Fixed Objects:	0
Rocks in Roadway:	0
Vehicle Cargo/Debris:	0
Road Maintenance Equipment:	0
Involving Other Object:	0
Total Other Objects:	0
Unknown:	0
Total:	6

Mainline/Ramps/Frontage Roads	
Mainline:	0
Crossroad (A):	0
Ramps	
B: 0 F: 0 J: 0	
C: 0 G: 0 K: 0	
D: 0 H: 0 L: 0	
E: 0 I: 0	
Frontage/Ramp Intersections	
M: 0 N: 6 O: 0 P: 0	
Left Frontage Rd (L):	0
Rt Frontage Rd (R):	0
HOV Lanes (V):	0
Unknown:	0
Total:	6

Road Description	
At Intersection:	5
At Driveway Access:	0
Intersection Related:	1
Non Intersection:	0
In Alley:	0
Roundabout:	0
Ramp:	0
Parking Lot:	0
Unknown:	0
Total:	6

Road Conditions	
Dry:	6
Wet:	0
Muddy:	0
Snowy:	0
Icy:	0
Slushy:	0
Foreign Material:	0
With Road Treatment:	0
Dry w/Icy Road Treatment:	0
Wet w/Icy Road Treatment:	0
Snowy w/Icy Road Treatment:	0
Icy w/Icy Road Treatment:	0
Slushy w/Icy Road Treatment:	0
Unknown:	0
Total:	6

ADT: 59,600 Length: 0.02



Colorado Department of Transportation
DiExSys™ Roadway Safety Systems
Detailed Summary of Crashes Report

08/16/2016

Job #: 20160816095835

Location: 470A Begin: 7.90 End: 7.92 From:01/01/2010 To:12/31/2014

C-470/Bowles Ave Interchange WB Ramp Terminal Crashes 2010-2014

Vehicle Type	Veh 1	Veh 2	Veh 3	Vehicle Movement	Veh 1	Veh 2	Veh 3
Passenger Car/Van:	4	4	0	Going Straight:	4	3	0
Passenger Car/Van w/Trl:	0	0	0	Slowing:	0	0	0
Pickup Truck/Utility Van:	0	1	0	Stopped in Traffic:	0	1	0
Pickup Truck/Utility Van w/Trl:	0	0	0	Making Right Turn:	0	0	0
SUV:	2	1	0	Making Left Turn:	2	2	0
SUV w/Trl:	0	0	0	Making U-Turn:	0	0	0
Truck 10k lbs or Less:	0	0	0	Passing:	0	0	0
Trucks > 10k lbs/Bus > 15 People:	0	0	0	Backing:	0	0	0
School Bus < 15 People:	0	0	0	Enter/Leave Parked Position:	0	0	0
Non School Bus < 15 People:	0	0	0	Starting in Traffic:	0	0	0
Motorhome:	0	0	0	Parked:	0	0	0
Motorcycle:	0	0	0	Changing Lanes:	0	0	0
Bicycle:	0	0	0	Avoiding Object/Veh in Road:	0	0	0
Motorized Bicycle:	0	0	0	Weaving:	0	0	0
Farm Equipment:	0	0	0	Other:	0	0	0
Hit and Run - Unknown:	0	0	0	Unknown:	0	0	0
Other:	0	0	0	Total:	6	6	0
Unknown:	0	0	0				
Total:	6	6	0				

Direction	Veh 1	Veh 2	Veh 3
North:	0	2	0
Northeast:	0	0	0
East:	6	2	0
Southeast:	0	0	0
South:	0	0	0
Southwest:	0	0	0
West:	0	2	0
Northwest:	0	0	0
Unknown:	0	0	0
Total:	6	6	0

Contributing Factor	Veh 1	Veh 2	Veh 3
No Apparent Contributing Factor:	1	6	0
Asleep at the Wheel:	0	0	0
Illness:	0	0	0
Distracted by Passenger:	0	0	0
Driver Inexperience:	1	0	0
Driver Fatigue:	0	0	0
Driver Preoccupied:	2	0	0
Driver Unfamiliar with Area:	0	0	0
Driver Emotionally Upset:	0	0	0
Evading Law Enforcement Officer:	0	0	0
Physical Disability:	0	0	0
Unknown:	2	0	0
Total:	6	6	0

Condition of Driver	Veh 1	Veh 2	Veh 3
No Impairment Suspected:	6	6	0
Alcohol Involved:	0	0	0
RX, Medication, or Drugs Involved:	0	0	0
Illegal Drugs Involved:	0	0	0
Alcohol and Drugs Involved:	0	0	0
Driver/Pedestrian not Observed:	0	0	0
Unknown:	0	0	0
Total:	6	6	0

ADT: 59,600 Length: 0.02

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Colorado Department of Transportation
DiExSys™ Roadway Safety Systems
Detailed Summary of Crashes Report

08/16/2016

Job #: 20160816113048

Location: 470A Begin: 6.43 End: 6.53 From:01/01/2010 To:12/31/2014

C-470/Quincy Ave Interchange EB Ramp Terminal Crashes 2010-2014

Severity	
PDO:	8
INJ:	1 :Injured
FAT:	0 :Killed
Total:	9

Number of Vehicles	
One Vehicle:	2
Two Vehicles:	7
Three or More:	0
Unknown:	0
Total:	9

Location	
On Road:	7
Off Road Left:	1
Off Road Right:	1
Off Road at Tee:	0
Off in Median:	0
Unknown:	0
Total:	9

Lighting Conditions	
Daylight:	6
Dawn or Dusk:	1
Dark - Lighted:	1
Dark - Unlighted:	1
Unknown:	0
Total:	9

Weather Conditions	
None:	9
Rain:	0
Snow/Sleet/Hail:	0
Fog:	0
Dust:	0
Wind:	0
Unknown:	0
Total:	9

Crash Rates	
PDO:	0.67* * MVMT
INJ:	0.08* ** 100 MVMT
FAT:	0.00**
Total:	0.76*

Crash Type	
Overtuning:	0
Other Non Collision:	0
Pedestrians:	0
Broadside:	5
Head On:	0
Rear End:	1
Sideswipe (Same):	0
Sideswipe (Opposite):	0
Approach Turn:	0
Overtaking Turn:	1
Parked Motor Vehicle:	0
Railway Vehicle:	0
Bicycle:	0
Motorized Bicycle:	0
Domestic Animal:	0
Wild Animal:	0
Light/Utility Pole:	0
Traffic Signal Pole:	0
Sign:	0
Bridge Rail:	0
Guard Rail:	0
Cable Rail:	0
Concrete Barrier:	1
Bridge Abutment:	0
Column/Pier:	0
Culvert/Headwall:	0
Embankment:	0
Curb:	0
Delineator Post:	1
Fence:	0
Tree:	0
Large Boulders or Rocks:	0
Barricade:	0
Wall/Building:	0
Crash Cushion:	0
Mailbox:	0
Other Fixed Object:	0
Total Fixed Objects:	2
Rocks in Roadway:	0
Vehicle Cargo/Debris:	0
Road Maintenance Equipment:	0
Involving Other Object:	0
Total Other Objects:	0
Unknown:	0
Total:	9

Mainline/Ramps/Frontage Roads	
Mainline:	0
Crossroad (A):	0
Ramps	
B: 0 F: 0 J: 0	
C: 0 G: 0 K: 0	
D: 0 H: 0 L: 0	
E: 0 I: 0	
Frontage/Ramp Intersections	
M: 0 N: 0 O: 9 P: 0	
Left Frontage Rd (L):	0
Rt Frontage Rd (R):	0
HOV Lanes (V):	0
Unknown:	0
Total:	9

Road Description	
At Intersection:	7
At Driveway Access:	0
Intersection Related:	2
Non Intersection:	0
In Alley:	0
Roundabout:	0
Ramp:	0
Parking Lot:	0
Unknown:	0
Total:	9

Road Conditions	
Dry:	9
Wet:	0
Muddy:	0
Snowy:	0
Icy:	0
Slushy:	0
Foreign Material:	0
With Road Treatment:	0
Dry w/Icy Road Treatment:	0
Wet w/Icy Road Treatment:	0
Snowy w/Icy Road Treatment:	0
Icy w/Icy Road Treatment:	0
Slushy w/Icy Road Treatment:	0
Unknown:	0
Total:	9

ADT: 65,200 Length: 0.10



Colorado Department of Transportation
DiExSys™ Roadway Safety Systems
Detailed Summary of Crashes Report

08/16/2016

Job #: 20160816113048

Location: 470A Begin: 6.43 End: 6.53 From:01/01/2010 To:12/31/2014

C-470/Quincy Ave Interchange EB Ramp Terminal Crashes 2010-2014

Vehicle Type	Veh 1	Veh 2	Veh 3	Vehicle Movement	Veh 1	Veh 2	Veh 3
Passenger Car/Van:	7	3	0	Going Straight:	1	6	0
Passenger Car/Van w/Trl:	0	0	0	Slowing:	0	0	0
Pickup Truck/Utility Van:	1	2	0	Stopped in Traffic:	0	1	0
Pickup Truck/Utility Van w/Trl:	0	0	0	Making Right Turn:	1	0	0
SUV:	1	2	0	Making Left Turn:	5	0	0
SUV w/Trl:	0	0	0	Making U-Turn:	1	0	0
Truck 10k lbs or Less:	0	0	0	Passing:	0	0	0
Trucks > 10k lbs/Bus > 15 People:	0	0	0	Backing:	0	0	0
School Bus < 15 People:	0	0	0	Enter/Leave Parked Position:	0	0	0
Non School Bus < 15 People:	0	0	0	Starting in Traffic:	0	0	0
Motorhome:	0	0	0	Parked:	0	0	0
Motorcycle:	0	0	0	Changing Lanes:	0	0	0
Bicycle:	0	0	0	Avoiding Object/Veh in Road:	1	0	0
Motorized Bicycle:	0	0	0	Weaving:	0	0	0
Farm Equipment:	0	0	0	Other:	0	0	0
Hit and Run - Unknown:	0	0	0	Unknown:	0	0	0
Other:	0	0	0	Total:	9	7	0
Unknown:	0	0	0				
Total:	9	7	0				

Contributing Factor	Veh 1	Veh 2	Veh 3	Direction	Veh 1	Veh 2	Veh 3
No Apparent Contributing Factor:	3	7	0	North:	1	3	0
Asleep at the Wheel:	0	0	0	Northeast:	0	0	0
Illness:	0	0	0	East:	2	2	0
Distracted by Passenger:	0	0	0	Southeast:	0	0	0
Driver Inexperience:	1	0	0	South:	3	0	0
Driver Fatigue:	0	0	0	Southwest:	0	0	0
Driver Preoccupied:	4	0	0	West:	3	2	0
Driver Unfamiliar with Area:	0	0	0	Northwest:	0	0	0
Driver Emotionally Upset:	1	0	0	Unknown:	0	0	0
Evading Law Enforcement Officer:	0	0	0	Total:	9	7	0
Physical Disability:	0	0	0				
Unknown:	0	0	0				
Total:	9	7	0				

Condition of Driver	Veh 1	Veh 2	Veh 3
No Impairment Suspected:	9	7	0
Alcohol Involved:	0	0	0
RX, Medication, or Drugs Involved:	0	0	0
Illegal Drugs Involved:	0	0	0
Alcohol and Drugs Involved:	0	0	0
Driver/Pedestrian not Observed:	0	0	0
Unknown:	0	0	0
Total:	9	7	0

ADT: 65,200 Length: 0.10

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User: Devin.Joslin on DESIGN21

Detailed Summaries for Table 3



Colorado Department of Transportation
DiExSys™ Roadway Safety Systems
Detailed Summary of Crashes Report

08/16/2016

Job #: 20160816113625

Location: 470A Begin: 6.12 End: 6.22 From:01/01/2010 To:12/31/2014

C-470/Quincy Ave Interchange WB Ramp Terminal Crashes 2010-2014

Severity	
PDO:	6
INJ:	4 6 :Injured
FAT:	0 0 :Killed
Total:	10

Number of Vehicles	
One Vehicle:	0
Two Vehicles:	10
Three or More:	0
Unknown:	0
Total:	10

Location	
On Road:	10
Off Road Left:	0
Off Road Right:	0
Off Road at Tee:	0
Off in Median:	0
Unknown:	0
Total:	10

Lighting Conditions	
Daylight:	7
Dawn or Dusk:	1
Dark - Lighted:	2
Dark - Unlighted:	0
Unknown:	0
Total:	10

Weather Conditions	
None:	8
Rain:	2
Snow/Sleet/Hail:	0
Fog:	0
Dust:	0
Wind:	0
Unknown:	0
Total:	10

Crash Rates	
PDO:	0.50* * MVMT
INJ:	0.33* ** 100 MVMT
FAT:	0.00**
Total:	0.83*

Crash Type	
Overtuning:	0
Other Non Collision:	0
Pedestrians:	0
Broadside:	5
Head On:	0
Rear End:	1
Sideswipe (Same):	1
Sideswipe (Opposite):	0
Approach Turn:	3
Overtaking Turn:	0
Parked Motor Vehicle:	0
Railway Vehicle:	0
Bicycle:	0
Motorized Bicycle:	0
Domestic Animal:	0
Wild Animal:	0
Light/Utility Pole:	0
Traffic Signal Pole:	0
Sign:	0
Bridge Rail:	0
Guard Rail:	0
Cable Rail:	0
Concrete Barrier:	0
Bridge Abutment:	0
Column/Pier:	0
Culvert/Headwall:	0
Embankment:	0
Curb:	0
Delineator Post:	0
Fence:	0
Tree:	0
Large Boulders or Rocks:	0
Barricade:	0
Wall/Building:	0
Crash Cushion:	0
Mailbox:	0
Other Fixed Object:	0
Total Fixed Objects:	0
Rocks in Roadway:	0
Vehicle Cargo/Debris:	0
Road Maintenance Equipment:	0
Involving Other Object:	0
Total Other Objects:	0
Unknown:	0
Total:	10

Mainline/Ramps/Frontage Roads	
Mainline:	0
Crossroad (A):	0
Ramps	
B: 0 F: 0 J: 0	
C: 0 G: 0 K: 0	
D: 0 H: 0 L: 0	
E: 0 I: 0	
Frontage/Ramp Intersections	
M: 0 N: 10 O: 0 P: 0	
Left Frontage Rd (L):	0
Rt Frontage Rd (R):	0
HOV Lanes (V):	0
Unknown:	0
Total:	10

Road Description	
At Intersection:	9
At Driveway Access:	0
Intersection Related:	1
Non Intersection:	0
In Alley:	0
Roundabout:	0
Ramp:	0
Parking Lot:	0
Unknown:	0
Total:	10

Road Conditions	
Dry:	8
Wet:	2
Muddy:	0
Snowy:	0
Icy:	0
Slushy:	0
Foreign Material:	0
With Road Treatment:	0
Dry w/Icy Road Treatment:	0
Wet w/Icy Road Treatment:	0
Snowy w/Icy Road Treatment:	0
Icy w/Icy Road Treatment:	0
Slushy w/Icy Road Treatment:	0
Unknown:	0
Total:	10

ADT: 69,400 Length: 0.09



Colorado Department of Transportation
DiExSys™ Roadway Safety Systems
Detailed Summary of Crashes Report

08/16/2016

Job #: 20160816113625

Location: 470A Begin: 6.12 End: 6.22 From:01/01/2010 To:12/31/2014

C-470/Quincy Ave Interchange WB Ramp Terminal Crashes 2010-2014

Vehicle Type	Veh 1	Veh 2	Veh 3	Vehicle Movement	Veh 1	Veh 2	Veh 3
Passenger Car/Van:	6	7	0	Going Straight:	0	8	0
Passenger Car/Van w/Trl:	0	0	0	Slowing:	0	1	0
Pickup Truck/Utility Van:	2	1	0	Stopped in Traffic:	0	1	0
Pickup Truck/Utility Van w/Trl:	0	0	0	Making Right Turn:	0	0	0
SUV:	2	2	0	Making Left Turn:	9	0	0
SUV w/Trl:	0	0	0	Making U-Turn:	0	0	0
Truck 10k lbs or Less:	0	0	0	Passing:	0	0	0
Trucks > 10k lbs/Bus > 15 People:	0	0	0	Backing:	1	0	0
School Bus < 15 People:	0	0	0	Enter/Leave Parked Position:	0	0	0
Non School Bus < 15 People:	0	0	0	Starting in Traffic:	0	0	0
Motorhome:	0	0	0	Parked:	0	0	0
Motorcycle:	0	0	0	Changing Lanes:	0	0	0
Bicycle:	0	0	0	Avoiding Object/Veh in Road:	0	0	0
Motorized Bicycle:	0	0	0	Weaving:	0	0	0
Farm Equipment:	0	0	0	Other:	0	0	0
Hit and Run - Unknown:	0	0	0	Unknown:	0	0	0
Other:	0	0	0	Total:	10	10	0
Unknown:	0	0	0				
Total:	10	10	0				

Contributing Factor	Veh 1	Veh 2	Veh 3	Direction	Veh 1	Veh 2	Veh 3
No Apparent Contributing Factor:	6	9	0	North:	3	3	0
Asleep at the Wheel:	0	0	0	Northeast:	0	3	0
Illness:	0	0	0	East:	0	3	0
Distracted by Passenger:	0	1	0	Southeast:	0	0	0
Driver Inexperience:	0	0	0	South:	1	0	0
Driver Fatigue:	0	0	0	Southwest:	1	0	0
Driver Preoccupied:	2	0	0	West:	3	1	0
Driver Unfamiliar with Area:	1	0	0	Northwest:	2	0	0
Driver Emotionally Upset:	0	0	0	Unknown:	0	0	0
Evading Law Enforcement Officer:	0	0	0	Total:	10	10	0
Physical Disability:	0	0	0				
Unknown:	1	0	0				
Total:	10	10	0				

Condition of Driver	Veh 1	Veh 2	Veh 3
No Impairment Suspected:	10	9	0
Alcohol Involved:	0	0	0
RX, Medication, or Drugs Involved:	0	0	0
Illegal Drugs Involved:	0	0	0
Alcohol and Drugs Involved:	0	1	0
Driver/Pedestrian not Observed:	0	0	0
Unknown:	0	0	0
Total:	10	10	0

ADT: 69,400 Length: 0.09

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User: Devin.Joslin on DESIGN21

Detailed Summaries for Table 3



Colorado Department of Transportation
DiExSys™ Roadway Safety Systems
Detailed Summary of Crashes Report

08/16/2016

Job #: 20160816102929

Location: 470A Begin: 1.84 End: 1.90 From:01/01/2010 To:12/31/2014

C-470/Alameda Parkway Interchange EB Ramp Terminal Crashes 2010-2014

Severity	
PDO:	4
INJ:	2 6 :Injured
FAT:	0 0 :Killed
Total:	6

Number of Vehicles	
One Vehicle:	1
Two Vehicles:	5
Three or More:	0
Unknown:	0
Total:	6

Location	
On Road:	5
Off Road Left:	1
Off Road Right:	0
Off Road at Tee:	0
Off in Median:	0
Unknown:	0
Total:	6

Lighting Conditions	
Daylight:	6
Dawn or Dusk:	0
Dark - Lighted:	0
Dark - Unlighted:	0
Unknown:	0
Total:	6

Weather Conditions	
None:	5
Rain:	0
Snow/Sleet/Hail:	0
Fog:	0
Dust:	0
Wind:	1
Unknown:	0
Total:	6

Crash Rates	
PDO:	0.61 * * MVMT
INJ:	0.31 * ** 100 MVMT
FAT:	0.00 **
Total:	0.92 *

Crash Type	
Overtuning:	0
Other Non Collision:	0
Pedestrians:	0
Broadside:	2
Head On:	0
Rear End:	3
Sideswipe (Same):	0
Sideswipe (Opposite):	0
Approach Turn:	0
Overtaking Turn:	0
Parked Motor Vehicle:	0
Railway Vehicle:	0
Bicycle:	0
Motorized Bicycle:	0
Domestic Animal:	0
Wild Animal:	0
Light/Utility Pole:	0
Traffic Signal Pole:	0
Sign:	0
Bridge Rail:	0
Guard Rail:	0
Cable Rail:	0
Concrete Barrier:	1
Bridge Abutment:	0
Column/Pier:	0
Culvert/Headwall:	0
Embankment:	0
Curb:	0
Delineator Post:	0
Fence:	0
Tree:	0
Large Boulders or Rocks:	0
Barricade:	0
Wall/Building:	0
Crash Cushion:	0
Mailbox:	0
Other Fixed Object:	0
Total Fixed Objects:	1
Rocks in Roadway:	0
Vehicle Cargo/Debris:	0
Road Maintenance Equipment:	0
Involving Other Object:	0
Total Other Objects:	0
Unknown:	0
Total:	6

Mainline/Ramps/Frontage Roads	
Mainline:	0
Crossroad (A):	0
Ramps	
B: 0 F: 0 J: 0	
C: 0 G: 0 K: 0	
D: 0 H: 0 L: 0	
E: 0 I: 0	
Frontage/Ramp Intersections	
M: 0 N: 0 O: 6 P: 0	
Left Frontage Rd (L):	0
Rt Frontage Rd (R):	0
HOV Lanes (V):	0
Unknown:	0
Total:	6

Road Description	
At Intersection:	2
At Driveway Access:	0
Intersection Related:	4
Non Intersection:	0
In Alley:	0
Roundabout:	0
Ramp:	0
Parking Lot:	0
Unknown:	0
Total:	6

Road Conditions	
Dry:	4
Wet:	0
Muddy:	0
Snowy:	0
Icy:	1
Slushy:	1
Foreign Material:	0
With Road Treatment:	0
Dry w/Icy Road Treatment:	0
Wet w/Icy Road Treatment:	0
Snowy w/Icy Road Treatment:	0
Icy w/Icy Road Treatment:	0
Slushy w/Icy Road Treatment:	0
Unknown:	0
Total:	6

ADT: 75,800 Length: 0.04



Colorado Department of Transportation
DiExSys™ Roadway Safety Systems
Detailed Summary of Crashes Report

08/16/2016

Job #: 20160816102929

Location: 470A Begin: 1.84 End: 1.90 From:01/01/2010 To:12/31/2014

C-470/Alameda Parkway Interchange EB Ramp Terminal Crashes 2010-2014

Vehicle Type	Veh 1	Veh 2	Veh 3	Vehicle Movement	Veh 1	Veh 2	Veh 3
Passenger Car/Van:	2	1	0	Going Straight:	2	2	0
Passenger Car/Van w/Trl:	0	0	0	Slowing:	1	0	0
Pickup Truck/Utility Van:	0	1	0	Stopped in Traffic:	0	3	0
Pickup Truck/Utility Van w/Trl:	0	0	0	Making Right Turn:	0	0	0
SUV:	3	2	0	Making Left Turn:	1	0	0
SUV w/Trl:	1	0	0	Making U-Turn:	0	0	0
Truck 10k lbs or Less:	0	0	0	Passing:	0	0	0
Trucks > 10k lbs/Bus > 15 People:	0	0	0	Backing:	1	0	0
School Bus < 15 People:	0	0	0	Enter/Leave Parked Position:	0	0	0
Non School Bus < 15 People:	0	0	0	Starting in Traffic:	0	0	0
Motorhome:	0	0	0	Parked:	0	0	0
Motorcycle:	0	1	0	Changing Lanes:	0	0	0
Bicycle:	0	0	0	Avoiding Object/Veh in Road:	0	0	0
Motorized Bicycle:	0	0	0	Weaving:	0	0	0
Farm Equipment:	0	0	0	Other:	1	0	0
Hit and Run - Unknown:	0	0	0	Unknown:	0	0	0
Other:	0	0	0	Total:	6	5	0
Unknown:	0	0	0				
Total:	6	5	0				

Contributing Factor	Veh 1	Veh 2	Veh 3	Direction	Veh 1	Veh 2	Veh 3
No Apparent Contributing Factor:	3	5	0	North:	0	0	0
Asleep at the Wheel:	0	0	0	Northeast:	0	0	0
Illness:	0	0	0	East:	2	1	0
Distracted by Passenger:	0	0	0	Southeast:	0	0	0
Driver Inexperience:	0	0	0	South:	3	1	0
Driver Fatigue:	0	0	0	Southwest:	0	0	0
Driver Preoccupied:	0	0	0	West:	1	3	0
Driver Unfamiliar with Area:	0	0	0	Northwest:	0	0	0
Driver Emotionally Upset:	0	0	0	Unknown:	0	0	0
Evading Law Enforcement Officer:	0	0	0	Total:	6	5	0
Physical Disability:	0	0	0				
Unknown:	3	0	0				
Total:	6	5	0				

Condition of Driver	Veh 1	Veh 2	Veh 3
No Impairment Suspected:	6	5	0
Alcohol Involved:	0	0	0
RX, Medication, or Drugs Involved:	0	0	0
Illegal Drugs Involved:	0	0	0
Alcohol and Drugs Involved:	0	0	0
Driver/Pedestrian not Observed:	0	0	0
Unknown:	0	0	0
Total:	6	5	0

ADT: 75,800 Length: 0.04

Any intentional or inadvertent release of this data or any data derived from its use shall not constitute a waiver of privilege pursuant to 23 USC 409.



Colorado Department of Transportation
DiExSys™ Roadway Safety Systems
Detailed Summary of Crashes Report

08/15/2016

Job #: 20160815164940

Location: 470A Begin: 1.72 End: 1.95 From:01/01/2010 To:12/31/2014

C-470/Alameda Parkway Interchange WB Ramp Intersection Crashes 2010-2014

Severity	
PDO:	4
INJ:	1 2 :Injured
FAT:	0 0 :Killed
Total:	5

Number of Vehicles	
One Vehicle:	2
Two Vehicles:	3
Three or More:	0
Unknown:	0
Total:	5

Location	
On Road:	3
Off Road Left:	1
Off Road Right:	1
Off Road at Tee:	0
Off in Median:	0
Unknown:	0
Total:	5

Lighting Conditions	
Daylight:	5
Dawn or Dusk:	0
Dark - Lighted:	0
Dark - Unlighted:	0
Unknown:	0
Total:	5

Weather Conditions	
None:	2
Rain:	1
Snow/Sleet/Hail:	2
Fog:	0
Dust:	0
Wind:	0
Unknown:	0
Total:	5

Crash Rates	
PDO:	0.14* * MVMT
INJ:	0.04* ** 100 MVMT
FAT:	0.00**
Total:	0.18*

Crash Type	
Overtuning:	0
Other Non Collision:	0
Pedestrians:	0
Broadside:	0
Head On:	0
Rear End:	2
Sideswipe (Same):	0
Sideswipe (Opposite):	0
Approach Turn:	1
Overtaking Turn:	0
Parked Motor Vehicle:	0
Railway Vehicle:	0
Bicycle:	0
Motorized Bicycle:	0
Domestic Animal:	0
Wild Animal:	0
Light/Utility Pole:	0
Traffic Signal Pole:	0
Sign:	0
Bridge Rail:	0
Guard Rail:	1
Cable Rail:	0
Concrete Barrier:	1
Bridge Abutment:	0
Column/Pier:	0
Culvert/Headwall:	0
Embankment:	0
Curb:	0
Delineator Post:	0
Fence:	0
Tree:	0
Large Boulders or Rocks:	0
Barricade:	0
Wall/Building:	0
Crash Cushion:	0
Mailbox:	0
Other Fixed Object:	0
Total Fixed Objects:	2
Rocks in Roadway:	0
Vehicle Cargo/Debris:	0
Road Maintenance Equipment:	0
Involving Other Object:	0
Total Other Objects:	0
Unknown:	0
Total:	5

Mainline/Ramps/Frontage Roads	
Mainline:	0
Crossroad (A):	0
Ramps	
B: 0 F: 0 J: 0	
C: 0 G: 0 K: 0	
D: 0 H: 0 L: 0	
E: 0 I: 0	
Frontage/Ramp Intersections	
M: 0 N: 5 O: 0 P: 0	
Left Frontage Rd (L):	0
Rt Frontage Rd (R):	0
HOV Lanes (V):	0
Unknown:	0
Total:	5

Road Description	
At Intersection:	2
At Driveway Access:	0
Intersection Related:	3
Non Intersection:	0
In Alley:	0
Roundabout:	0
Ramp:	0
Parking Lot:	0
Unknown:	0
Total:	5

Road Conditions	
Dry:	2
Wet:	2
Muddy:	0
Snowy:	1
Icy:	0
Slushy:	0
Foreign Material:	0
With Road Treatment:	0
Dry w/Icy Road Treatment:	0
Wet w/Icy Road Treatment:	0
Snowy w/Icy Road Treatment:	0
Icy w/Icy Road Treatment:	0
Slushy w/Icy Road Treatment:	0
Unknown:	0
Total:	5

ADT: 75,800 Length: 0.20



Colorado Department of Transportation
DiExSys™ Roadway Safety Systems
Detailed Summary of Crashes Report

08/15/2016

Job #: 20160815164940

Location: 470A Begin: 1.72 End: 1.95 From:01/01/2010 To:12/31/2014

C-470/Alameda Parkway Interchange WB Ramp Intersection Crashes 2010-2014

Vehicle Type	Veh 1	Veh 2	Veh 3	Vehicle Movement	Veh 1	Veh 2	Veh 3
Passenger Car/Van:	3	2	0	Going Straight:	3	1	0
Passenger Car/Van w/Trl:	0	0	0	Slowing:	0	0	0
Pickup Truck/Utility Van:	0	0	0	Stopped in Traffic:	0	1	0
Pickup Truck/Utility Van w/Trl:	0	0	0	Making Right Turn:	1	1	0
SUV:	2	1	0	Making Left Turn:	1	0	0
SUV w/Trl:	0	0	0	Making U-Turn:	0	0	0
Truck 10k lbs or Less:	0	0	0	Passing:	0	0	0
Trucks > 10k lbs/Bus > 15 People:	0	0	0	Backing:	0	0	0
School Bus < 15 People:	0	0	0	Enter/Leave Parked Position:	0	0	0
Non School Bus < 15 People:	0	0	0	Starting in Traffic:	0	0	0
Motorhome:	0	0	0	Parked:	0	0	0
Motorcycle:	0	0	0	Changing Lanes:	0	0	0
Bicycle:	0	0	0	Avoiding Object/Veh in Road:	0	0	0
Motorized Bicycle:	0	0	0	Weaving:	0	0	0
Farm Equipment:	0	0	0	Other:	0	0	0
Hit and Run - Unknown:	0	0	0	Unknown:	0	0	0
Other:	0	0	0	Total:	5	3	0
Unknown:	0	0	0				
Total:	5	3	0				

Contributing Factor	Veh 1	Veh 2	Veh 3	Direction	Veh 1	Veh 2	Veh 3
No Apparent Contributing Factor:	2	3	0	North:	1	0	0
Asleep at the Wheel:	0	0	0	Northeast:	0	0	0
Illness:	0	0	0	East:	2	1	0
Distracted by Passenger:	0	0	0	Southeast:	0	0	0
Driver Inexperience:	1	0	0	South:	1	1	0
Driver Fatigue:	0	0	0	Southwest:	0	0	0
Driver Preoccupied:	1	0	0	West:	1	1	0
Driver Unfamiliar with Area:	0	0	0	Northwest:	0	0	0
Driver Emotionally Upset:	0	0	0	Unknown:	0	0	0
Evading Law Enforcement Officer:	0	0	0	Total:	5	3	0
Physical Disability:	0	0	0				
Unknown:	1	0	0				
Total:	5	3	0				

Condition of Driver	Veh 1	Veh 2	Veh 3
No Impairment Suspected:	5	3	0
Alcohol Involved:	0	0	0
RX, Medication, or Drugs Involved:	0	0	0
Illegal Drugs Involved:	0	0	0
Alcohol and Drugs Involved:	0	0	0
Driver/Pedestrian not Observed:	0	0	0
Unknown:	0	0	0
Total:	5	3	0

ADT: 75,800 Length: 0.20

Any intentional or inadvertent release of this data or any data derived from its use shall not constitute a waiver of privilege pursuant to 23 USC 409.



Colorado Department of Transportation
DiExSys™ Roadway Safety Systems
Detailed Summary of Crashes Report

08/05/2016

Job #: 20160805140050

Location: 470A Begin: 12.13 End: 12.77 From:01/01/2010 To:12/31/2014

C-470/Kipling Pkwy Interchange Ramp Crashes 2010-2014

Severity	
PDO:	6
INJ:	1 2 :Injured
FAT:	0 0 :Killed
Total:	7

Number of Vehicles	
One Vehicle:	1
Two Vehicles:	5
Three or More:	1
Unknown:	0
Total:	7

Location	
On Road:	6
Off Road Left:	1
Off Road Right:	0
Off Road at Tee:	0
Off in Median:	0
Unknown:	0
Total:	7

Lighting Conditions	
Daylight:	5
Dawn or Dusk:	0
Dark - Lighted:	1
Dark - Unlighted:	1
Unknown:	0
Total:	7

Weather Conditions	
None:	7
Rain:	0
Snow/Sleet/Hail:	0
Fog:	0
Dust:	0
Wind:	0
Unknown:	0
Total:	7

Crash Rates	
PDO:	0.10* * MVMT
INJ:	0.02* ** 100 MVMT
FAT:	0.00**
Total:	0.11*

Crash Type	
Overtuning:	0
Other Non Collision:	0
Pedestrians:	0
Broadside:	0
Head On:	0
Rear End:	4
Sideswipe (Same):	2
Sideswipe (Opposite):	0
Approach Turn:	0
Overtaking Turn:	0
Parked Motor Vehicle:	0
Railway Vehicle:	0
Bicycle:	0
Motorized Bicycle:	0
Domestic Animal:	0
Wild Animal:	0
Light/Utility Pole:	0
Traffic Signal Pole:	0
Sign:	0
Bridge Rail:	0
Guard Rail:	0
Cable Rail:	1
Concrete Barrier:	0
Bridge Abutment:	0
Column/Pier:	0
Culvert/Headwall:	0
Embankment:	0
Curb:	0
Delineator Post:	0
Fence:	0
Tree:	0
Large Boulders or Rocks:	0
Barricade:	0
Wall/Building:	0
Crash Cushion:	0
Mailbox:	0
Other Fixed Object:	0
Total Fixed Objects:	1
Rocks in Roadway:	0
Vehicle Cargo/Debris:	0
Road Maintenance Equipment:	0
Involving Other Object:	0
Total Other Objects:	0
Unknown:	0
Total:	7

Mainline/Ramps/Frontage Roads	
Mainline:	0
Crossroad (A):	0
Ramps	
B: 0	F: 0
C: 4	G: 0
D: 3	H: 0
E: 0	I: 0
J: 0	K: 0
L: 0	M: 0
N: 0	O: 0
P: 0	
Frontage/Ramp Intersections	
Left Frontage Rd (L):	0
Rt Frontage Rd (R):	0
HOV Lanes (V):	0
Unknown:	0
Total:	7

Road Description	
At Intersection:	0
At Driveway Access:	0
Intersection Related:	0
Non Intersection:	0
In Alley:	0
Roundabout:	0
Ramp:	7
Parking Lot:	0
Unknown:	0
Total:	7

Road Conditions	
Dry:	6
Wet:	1
Muddy:	0
Snowy:	0
Icy:	0
Slushy:	0
Foreign Material:	0
With Road Treatment:	0
Dry w/Icy Road Treatment:	0
Wet w/Icy Road Treatment:	0
Snowy w/Icy Road Treatment:	0
Icy w/Icy Road Treatment:	0
Slushy w/Icy Road Treatment:	0
Unknown:	0
Total:	7

ADT: 54,092 Length: 0.63



Colorado Department of Transportation
DiExSys™ Roadway Safety Systems
Detailed Summary of Crashes Report

08/05/2016

Job #: 20160805140050

Location: 470A Begin: 12.13 End: 12.77 From:01/01/2010 To:12/31/2014

C-470/Kipling Pkwy Interchange Ramp Crashes 2010-2014

Vehicle Type	Veh 1	Veh 2	Veh 3
Passenger Car/Van:	1	2	0
Passenger Car/Van w/Trl:	0	0	0
Pickup Truck/Utility Van:	0	1	0
Pickup Truck/Utility Van w/Trl:	0	0	0
SUV:	6	3	1
SUV w/Trl:	0	0	0
Truck 10k lbs or Less:	0	0	0
Trucks > 10k lbs/Bus > 15 People:	0	0	0
School Bus < 15 People:	0	0	0
Non School Bus < 15 People:	0	0	0
Motorhome:	0	0	0
Motorcycle:	0	0	0
Bicycle:	0	0	0
Motorized Bicycle:	0	0	0
Farm Equipment:	0	0	0
Hit and Run - Unknown:	0	0	0
Other:	0	0	0
Unknown:	0	0	0
Total:	7	6	1

Vehicle Movement	Veh 1	Veh 2	Veh 3
Going Straight:	3	3	0
Slowing:	0	1	1
Stopped in Traffic:	0	1	0
Making Right Turn:	1	1	0
Making Left Turn:	0	0	0
Making U-Turn:	0	0	0
Passing:	0	0	0
Backing:	1	0	0
Enter/Leave Parked Position:	0	0	0
Starting in Traffic:	0	0	0
Parked:	0	0	0
Changing Lanes:	1	0	0
Avoiding Object/Veh in Road:	0	0	0
Weaving:	0	0	0
Other:	1	0	0
Unknown:	0	0	0
Total:	7	6	1

Contributing Factor	Veh 1	Veh 2	Veh 3
No Apparent Contributing Factor:	3	6	1
Asleep at the Wheel:	0	0	0
Illness:	0	0	0
Distracted by Passenger:	2	0	0
Driver Inexperience:	0	0	0
Driver Fatigue:	0	0	0
Driver Preoccupied:	1	0	0
Driver Unfamiliar with Area:	0	0	0
Driver Emotionally Upset:	1	0	0
Evading Law Enforcement Officer:	0	0	0
Physical Disability:	0	0	0
Unknown:	0	0	0
Total:	7	6	1

Direction	Veh 1	Veh 2	Veh 3
North:	1	1	0
Northeast:	0	0	0
East:	3	2	0
Southeast:	0	0	0
South:	0	0	0
Southwest:	0	0	0
West:	2	2	0
Northwest:	1	1	1
Unknown:	0	0	0
Total:	7	6	1

Condition of Driver	Veh 1	Veh 2	Veh 3
No Impairment Suspected:	5	6	1
Alcohol Involved:	2	0	0
RX, Medication, or Drugs Involved:	0	0	0
Illegal Drugs Involved:	0	0	0
Alcohol and Drugs Involved:	0	0	0
Driver/Pedestrian not Observed:	0	0	0
Unknown:	0	0	0
Total:	7	6	1

ADT: 54,092 Length: 0.63

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User: Devin on DESIGN21

Detailed Summaries for Table 4



Colorado Department of Transportation
DiExSys™ Roadway Safety Systems
Detailed Summary of Crashes Report

08/05/2016

Job #: 20160805135658

Location: 470A Begin: 9.84 End: 10.49 From:01/01/2010 To:12/31/2014

C-470/Ken Caryl Ave Interchange Ramp Crashes 2010-2014

Severity	
PDO:	15
INJ:	8 8 :Injured
FAT:	0 0 :Killed
Total:	23

Number of Vehicles	
One Vehicle:	1
Two Vehicles:	21
Three or More:	1
Unknown:	0
Total:	23

Location	
On Road:	22
Off Road Left:	0
Off Road Right:	1
Off Road at Tee:	0
Off in Median:	0
Unknown:	0
Total:	23

Lighting Conditions	
Daylight:	21
Dawn or Dusk:	0
Dark - Lighted:	0
Dark - Unlighted:	2
Unknown:	0
Total:	23

Weather Conditions	
None:	19
Rain:	3
Snow/Sleet/Hail:	1
Fog:	0
Dust:	0
Wind:	0
Unknown:	0
Total:	23

Crash Rates	
PDO:	0.23* * MVMT
INJ:	0.13* ** 100 MVMT
FAT:	0.00**
Total:	0.36*

Crash Type	
Overtuning:	0
Other Non Collision:	0
Pedestrians:	0
Broadside:	0
Head On:	0
Rear End:	19
Sideswipe (Same):	1
Sideswipe (Opposite):	0
Approach Turn:	0
Overtaking Turn:	0
Parked Motor Vehicle:	0
Railway Vehicle:	0
Bicycle:	1
Motorized Bicycle:	0
Domestic Animal:	0
Wild Animal:	1
Light/Utility Pole:	0
Traffic Signal Pole:	0
Sign:	0
Bridge Rail:	0
Guard Rail:	0
Cable Rail:	0
Concrete Barrier:	0
Bridge Abutment:	0
Column/Pier:	0
Culvert/Headwall:	0
Embankment:	0
Curb:	0
Delineator Post:	1
Fence:	0
Tree:	0
Large Boulders or Rocks:	0
Barricade:	0
Wall/Building:	0
Crash Cushion:	0
Mailbox:	0
Other Fixed Object:	0
Total Fixed Objects:	1
Rocks in Roadway:	0
Vehicle Cargo/Debris:	0
Road Maintenance Equipment:	0
Involving Other Object:	0
Total Other Objects:	0
Unknown:	0
Total:	23

Mainline/Ramps/Frontage Roads	
Mainline:	0
Crossroad (A):	0
Ramps	
B: 12	F: 0
C: 0	G: 0
D: 4	H: 0
E: 7	I: 0
J: 0	K: 0
L: 0	M: 0
N: 0	O: 0
P: 0	
Frontage/Ramp Intersections	
Left Frontage Rd (L):	0
Rt Frontage Rd (R):	0
HOV Lanes (V):	0
Unknown:	0
Total:	23

Road Description	
At Intersection:	0
At Driveway Access:	0
Intersection Related:	0
Non Intersection:	0
In Alley:	0
Roundabout:	0
Ramp:	23
Parking Lot:	0
Unknown:	0
Total:	23

Road Conditions	
Dry:	20
Wet:	2
Muddy:	0
Snowy:	0
Icy:	1
Slushy:	0
Foreign Material:	0
With Road Treatment:	0
Dry w/Icy Road Treatment:	0
Wet w/Icy Road Treatment:	0
Snowy w/Icy Road Treatment:	0
Icy w/Icy Road Treatment:	0
Slushy w/Icy Road Treatment:	0
Unknown:	0
Total:	23

ADT: 54,154 Length: 0.64



Colorado Department of Transportation
DiExSys™ Roadway Safety Systems
Detailed Summary of Crashes Report

08/05/2016

Job #: 20160805135658

Location: 470A Begin: 9.84 End: 10.49 From:01/01/2010 To:12/31/2014

C-470/Ken Caryl Ave Interchange Ramp Crashes 2010-2014

Vehicle Type	Veh 1	Veh 2	Veh 3
Passenger Car/Van:	7	13	0
Passenger Car/Van w/Trl:	0	0	0
Pickup Truck/Utility Van:	7	0	1
Pickup Truck/Utility Van w/Trl:	1	0	0
SUV:	8	8	0
SUV w/Trl:	0	0	0
Truck 10k lbs or Less:	0	0	0
Trucks > 10k lbs/Bus > 15 People:	0	0	0
School Bus < 15 People:	0	0	0
Non School Bus < 15 People:	0	0	0
Motorhome:	0	0	0
Motorcycle:	0	0	0
Bicycle:	0	1	0
Motorized Bicycle:	0	0	0
Farm Equipment:	0	0	0
Hit and Run - Unknown:	0	0	0
Other:	0	0	0
Unknown:	0	0	0
Total:	23	22	1

Vehicle Movement	Veh 1	Veh 2	Veh 3
Going Straight:	16	4	0
Slowing:	0	2	0
Stopped in Traffic:	0	16	1
Making Right Turn:	4	0	0
Making Left Turn:	0	0	0
Making U-Turn:	0	0	0
Passing:	0	0	0
Backing:	1	0	0
Enter/Leave Parked Position:	0	0	0
Starting in Traffic:	0	0	0
Parked:	0	0	0
Changing Lanes:	0	0	0
Avoiding Object/Veh in Road:	0	0	0
Weaving:	0	0	0
Other:	2	0	0
Unknown:	0	0	0
Total:	23	22	1

Contributing Factor	Veh 1	Veh 2	Veh 3
No Apparent Contributing Factor:	8	22	1
Asleep at the Wheel:	0	0	0
Illness:	0	0	0
Distracted by Passenger:	0	0	0
Driver Inexperience:	0	0	0
Driver Fatigue:	0	0	0
Driver Preoccupied:	6	0	0
Driver Unfamiliar with Area:	0	0	0
Driver Emotionally Upset:	0	0	0
Evading Law Enforcement Officer:	0	0	0
Physical Disability:	1	0	0
Unknown:	8	0	0
Total:	23	22	1

Direction	Veh 1	Veh 2	Veh 3
North:	2	1	0
Northeast:	1	1	0
East:	2	2	0
Southeast:	0	0	0
South:	4	3	1
Southwest:	6	6	0
West:	5	6	0
Northwest:	3	3	0
Unknown:	0	0	0
Total:	23	22	1

Condition of Driver	Veh 1	Veh 2	Veh 3
No Impairment Suspected:	23	22	1
Alcohol Involved:	0	0	0
RX, Medication, or Drugs Involved:	0	0	0
Illegal Drugs Involved:	0	0	0
Alcohol and Drugs Involved:	0	0	0
Driver/Pedestrian not Observed:	0	0	0
Unknown:	0	0	0
Total:	23	22	1

ADT: 54,154 Length: 0.64

Any intentional or inadvertent release of this data or any data derived from its use shall not constitute a waiver of privilege pursuant to 23 USC 409.



Colorado Department of Transportation
DiExSys™ Roadway Safety Systems
Detailed Summary of Crashes Report

08/05/2016

Job #: 20160805135319

Location: 470A Begin: 7.55 End: 8.16 From:01/01/2010 To:12/31/2014

C-470/Bowles Ave Interchange Ramp Crashes 2010-2014

Severity	
PDO:	16
INJ:	7 8 :Injured
FAT:	0 0 :Killed
Total:	23

Number of Vehicles	
One Vehicle:	3
Two Vehicles:	19
Three or More:	1
Unknown:	0
Total:	23

Location	
On Road:	20
Off Road Left:	1
Off Road Right:	2
Off Road at Tee:	0
Off in Median:	0
Unknown:	0
Total:	23

Lighting Conditions	
Daylight:	20
Dawn or Dusk:	1
Dark - Lighted:	2
Dark - Unlighted:	0
Unknown:	0
Total:	23

Weather Conditions	
None:	21
Rain:	1
Snow/Sleet/Hail:	0
Fog:	1
Dust:	0
Wind:	0
Unknown:	0
Total:	23

Crash Rates	
PDO:	0.23* * MVMT
INJ:	0.10* ** 100 MVMT
FAT:	0.00**
Total:	0.32*

Crash Type	
Overtuning:	0
Other Non Collision:	0
Pedestrians:	1
Broadside:	0
Head On:	0
Rear End:	15
Sideswipe (Same):	4
Sideswipe (Opposite):	0
Approach Turn:	0
Overtaking Turn:	0
Parked Motor Vehicle:	0
Railway Vehicle:	0
Bicycle:	0
Motorized Bicycle:	0
Domestic Animal:	0
Wild Animal:	0
Light/Utility Pole:	1
Traffic Signal Pole:	0
Sign:	0
Bridge Rail:	0
Guard Rail:	0
Cable Rail:	0
Concrete Barrier:	0
Bridge Abutment:	0
Column/Pier:	0
Culvert/Headwall:	0
Embankment:	0
Curb:	0
Delineator Post:	2
Fence:	0
Tree:	0
Large Boulders or Rocks:	0
Barricade:	0
Wall/Building:	0
Crash Cushion:	0
Mailbox:	0
Other Fixed Object:	0
Total Fixed Objects:	3
Rocks in Roadway:	0
Vehicle Cargo/Debris:	0
Road Maintenance Equipment:	0
Involving Other Object:	0
Total Other Objects:	0
Unknown:	0
Total:	23

Mainline/Ramps/Frontage Roads	
Mainline:	0
Crossroad (A):	0
Ramps	
B: 8	F: 0
C: 0	G: 0
D: 5	H: 0
E: 10	I: 0
J: 0	K: 0
L: 0	
Frontage/Ramp Intersections	
M: 0	N: 0
O: 0	P: 0
Left Frontage Rd (L):	0
Rt Frontage Rd (R):	0
HOV Lanes (V):	0
Unknown:	0
Total:	23

Road Description	
At Intersection:	0
At Driveway Access:	0
Intersection Related:	0
Non Intersection:	0
In Alley:	0
Roundabout:	0
Ramp:	23
Parking Lot:	0
Unknown:	0
Total:	23

Road Conditions	
Dry:	20
Wet:	2
Muddy:	0
Snowy:	0
Icy:	1
Slushy:	0
Foreign Material:	0
With Road Treatment:	0
Dry w/Icy Road Treatment:	0
Wet w/Icy Road Treatment:	0
Snowy w/Icy Road Treatment:	0
Icy w/Icy Road Treatment:	0
Slushy w/Icy Road Treatment:	0
Unknown:	0
Total:	23

ADT: 62,783 Length: 0.61



Colorado Department of Transportation
DiExSys™ Roadway Safety Systems
Detailed Summary of Crashes Report

08/05/2016

Job #: 20160805135319

Location: 470A Begin: 7.55 End: 8.16 From:01/01/2010 To:12/31/2014

C-470/Bowles Ave Interchange Ramp Crashes 2010-2014

Vehicle Type	Veh 1	Veh 2	Veh 3
Passenger Car/Van:	9	12	0
Passenger Car/Van w/Trl:	0	0	0
Pickup Truck/Utility Van:	3	2	0
Pickup Truck/Utility Van w/Trl:	0	0	0
SUV:	9	5	1
SUV w/Trl:	0	0	0
Truck 10k lbs or Less:	0	0	0
Trucks > 10k lbs/Bus > 15 People:	0	0	0
School Bus < 15 People:	0	0	0
Non School Bus < 15 People:	0	0	0
Motorhome:	0	0	0
Motorcycle:	0	1	0
Bicycle:	0	0	0
Motorized Bicycle:	0	0	0
Farm Equipment:	0	0	0
Hit and Run - Unknown:	0	0	0
Other:	2	0	0
Unknown:	0	0	0
Total:	23	20	1

Vehicle Movement	Veh 1	Veh 2	Veh 3
Going Straight:	17	1	0
Slowing:	0	5	0
Stopped in Traffic:	0	11	1
Making Right Turn:	0	0	0
Making Left Turn:	0	0	0
Making U-Turn:	0	0	0
Passing:	0	1	0
Backing:	1	0	0
Enter/Leave Parked Position:	0	0	0
Starting in Traffic:	0	0	0
Parked:	0	0	0
Changing Lanes:	4	0	0
Avoiding Object/Veh in Road:	0	2	0
Weaving:	1	0	0
Other:	0	0	0
Unknown:	0	0	0
Total:	23	20	1

Contributing Factor	Veh 1	Veh 2	Veh 3
No Apparent Contributing Factor:	11	20	1
Asleep at the Wheel:	0	0	0
Illness:	0	0	0
Distracted by Passenger:	1	0	0
Driver Inexperience:	1	0	0
Driver Fatigue:	0	0	0
Driver Preoccupied:	2	0	0
Driver Unfamiliar with Area:	1	0	0
Driver Emotionally Upset:	1	0	0
Evading Law Enforcement Officer:	0	0	0
Physical Disability:	0	0	0
Unknown:	6	0	0
Total:	23	20	1

Direction	Veh 1	Veh 2	Veh 3
North:	6	5	0
Northeast:	1	1	0
East:	4	3	0
Southeast:	0	0	0
South:	6	6	0
Southwest:	0	0	0
West:	2	1	0
Northwest:	4	4	1
Unknown:	0	0	0
Total:	23	20	1

Condition of Driver	Veh 1	Veh 2	Veh 3
No Impairment Suspected:	21	20	1
Alcohol Involved:	2	0	0
RX, Medication, or Drugs Involved:	0	0	0
Illegal Drugs Involved:	0	0	0
Alcohol and Drugs Involved:	0	0	0
Driver/Pedestrian not Observed:	0	0	0
Unknown:	0	0	0
Total:	23	20	1

ADT: 62,783 Length: 0.61

Any intentional or inadvertent release of this data or any data derived from its use shall not constitute a waiver of privilege pursuant to 23 USC 409.



Colorado Department of Transportation
DiExSys™ Roadway Safety Systems
Detailed Summary of Crashes Report

08/05/2016

Job #: 20160805133035

Location: 470A Begin: 6.17 End: 6.70 From:01/01/2010 To:12/31/2014

C-470/Quincy Ave Interchange Ramp Crashes 2010-2014

Severity	
PDO:	8
INJ:	6 7 :Injured
FAT:	1 1 :Killed
Total:	15

Number of Vehicles	
One Vehicle:	12
Two Vehicles:	3
Three or More:	0
Unknown:	0
Total:	15

Location	
On Road:	4
Off Road Left:	8
Off Road Right:	3
Off Road at Tee:	0
Off in Median:	0
Unknown:	0
Total:	15

Lighting Conditions	
Daylight:	10
Dawn or Dusk:	2
Dark - Lighted:	3
Dark - Unlighted:	0
Unknown:	0
Total:	15

Weather Conditions	
None:	10
Rain:	2
Snow/Sleet/Hail:	1
Fog:	1
Dust:	0
Wind:	1
Unknown:	0
Total:	15

Crash Rates	
PDO:	0.13* * MVMT
INJ:	0.09* ** 100 MVMT
FAT:	1.57**
Total:	0.24*

Crash Type	
Overtuning:	4
Other Non Collision:	0
Pedestrians:	0
Broadside:	0
Head On:	0
Rear End:	3
Sideswipe (Same):	0
Sideswipe (Opposite):	0
Approach Turn:	0
Overtaking Turn:	0
Parked Motor Vehicle:	0
Railway Vehicle:	0
Bicycle:	0
Motorized Bicycle:	0
Domestic Animal:	0
Wild Animal:	0
Light/Utility Pole:	0
Traffic Signal Pole:	0
Sign:	2
Bridge Rail:	0
Guard Rail:	0
Cable Rail:	1
Concrete Barrier:	0
Bridge Abutment:	0
Column/Pier:	0
Culvert/Headwall:	0
Embankment:	2
Curb:	0
Delineator Post:	1
Fence:	1
Tree:	0
Large Boulders or Rocks:	0
Barricade:	0
Wall/Building:	0
Crash Cushion:	0
Mailbox:	0
Other Fixed Object:	1
Total Fixed Objects:	8
Rocks in Roadway:	0
Vehicle Cargo/Debris:	0
Road Maintenance Equipment:	0
Involving Other Object:	0
Total Other Objects:	0
Unknown:	0
Total:	15

Mainline/Ramps/Frontage Roads	
Mainline:	0
Crossroad (A):	0
Ramps	
B:	4
C:	1
D:	8
E:	0
F:	0
G:	0
H:	0
I:	2
J:	0
K:	0
L:	0
M:	0
N:	0
O:	0
P:	0
Frontage/Ramp Intersections	
Left Frontage Rd (L):	0
Rt Frontage Rd (R):	0
HOV Lanes (V):	0
Unknown:	0
Total:	15

Road Description	
At Intersection:	0
At Driveway Access:	0
Intersection Related:	0
Non Intersection:	0
In Alley:	0
Roundabout:	0
Ramp:	15
Parking Lot:	0
Unknown:	0
Total:	15

Road Conditions	
Dry:	10
Wet:	2
Muddy:	0
Snowy:	2
Icy:	1
Slushy:	0
Foreign Material:	0
With Road Treatment:	0
Dry w/Icy Road Treatment:	0
Wet w/Icy Road Treatment:	0
Snowy w/Icy Road Treatment:	0
Icy w/Icy Road Treatment:	0
Slushy w/Icy Road Treatment:	0
Unknown:	0
Total:	15

ADT: 65,989 Length: 0.52



Colorado Department of Transportation
DiExSys™ Roadway Safety Systems
Detailed Summary of Crashes Report

08/05/2016

Job #: 20160805133035

Location: 470A Begin: 6.17 End: 6.70 From:01/01/2010 To:12/31/2014

C-470/Quincy Ave Interchange Ramp Crashes 2010-2014

Vehicle Type	Veh 1	Veh 2	Veh 3	Vehicle Movement	Veh 1	Veh 2	Veh 3
Passenger Car/Van:	7	0	0	Going Straight:	8	0	0
Passenger Car/Van w/Trl:	0	0	0	Slowing:	1	1	0
Pickup Truck/Utility Van:	3	3	0	Stopped in Traffic:	0	2	0
Pickup Truck/Utility Van w/Trl:	0	0	0	Making Right Turn:	0	0	0
SUV:	3	0	0	Making Left Turn:	0	0	0
SUV w/Trl:	0	0	0	Making U-Turn:	0	0	0
Truck 10k lbs or Less:	0	0	0	Passing:	0	0	0
Trucks > 10k lbs/Bus > 15 People:	0	0	0	Backing:	0	0	0
School Bus < 15 People:	0	0	0	Enter/Leave Parked Position:	0	0	0
Non School Bus < 15 People:	0	0	0	Starting in Traffic:	0	0	0
Motorhome:	0	0	0	Parked:	0	0	0
Motorcycle:	2	0	0	Changing Lanes:	1	0	0
Bicycle:	0	0	0	Avoiding Object/Veh in Road:	0	0	0
Motorized Bicycle:	0	0	0	Weaving:	1	0	0
Farm Equipment:	0	0	0	Other:	4	0	0
Hit and Run - Unknown:	0	0	0	Unknown:	0	0	0
Other:	0	0	0	Total:	15	3	0
Unknown:	0	0	0				
Total:	15	3	0				

Contributing Factor	Veh 1	Veh 2	Veh 3	Direction	Veh 1	Veh 2	Veh 3
No Apparent Contributing Factor:	1	3	0	North:	2	0	0
Asleep at the Wheel:	0	0	0	Northeast:	0	0	0
Illness:	0	0	0	East:	2	0	0
Distracted by Passenger:	1	0	0	Southeast:	1	0	0
Driver Inexperience:	1	0	0	South:	0	0	0
Driver Fatigue:	0	0	0	Southwest:	2	0	0
Driver Preoccupied:	2	0	0	West:	5	2	0
Driver Unfamiliar with Area:	1	0	0	Northwest:	3	1	0
Driver Emotionally Upset:	2	0	0	Unknown:	0	0	0
Evading Law Enforcement Officer:	0	0	0	Total:	15	3	0
Physical Disability:	0	0	0				
Unknown:	7	0	0				
Total:	15	3	0				

Condition of Driver	Veh 1	Veh 2	Veh 3
No Impairment Suspected:	13	3	0
Alcohol Involved:	2	0	0
RX, Medication, or Drugs Involved:	0	0	0
Illegal Drugs Involved:	0	0	0
Alcohol and Drugs Involved:	0	0	0
Driver/Pedestrian not Observed:	0	0	0
Unknown:	0	0	0
Total:	15	3	0

ADT: 65,989 Length: 0.52

Any intentional or inadvertent release of this data or any data derived from its use shall not constitute a waiver of privilege pursuant to 23 USC 409.



Colorado Department of Transportation
DiExSys™ Roadway Safety Systems
Detailed Summary of Crashes Report

08/05/2016

Job #: 20160805132721

Location: 470A Begin: 5.16 End: 6.21 From:01/01/2010 To:12/31/2014

C-470/US 287 (Hamphen Ave) Interchange Ramp Crashes 2010-2014

Severity	
PDO:	18
INJ:	9 11 :Injured
FAT:	0 0 :Killed
Total:	27

Number of Vehicles	
One Vehicle:	23
Two Vehicles:	4
Three or More:	0
Unknown:	0
Total:	27

Location	
On Road:	7
Off Road Left:	12
Off Road Right:	8
Off Road at Tee:	0
Off in Median:	0
Unknown:	0
Total:	27

Lighting Conditions	
Daylight:	20
Dawn or Dusk:	0
Dark - Lighted:	3
Dark - Unlighted:	4
Unknown:	0
Total:	27

Weather Conditions	
None:	22
Rain:	1
Snow/Sleet/Hail:	3
Fog:	1
Dust:	0
Wind:	0
Unknown:	0
Total:	27

Crash Rates	
PDO:	0.13* * MVMT
INJ:	0.06* ** 100 MVMT
FAT:	0.00**
Total:	0.19*

Crash Type	
Overtuning:	10
Other Non Collision:	0
Pedestrians:	0
Broadside:	0
Head On:	0
Rear End:	3
Sideswipe (Same):	1
Sideswipe (Opposite):	0
Approach Turn:	0
Overtaking Turn:	0
Parked Motor Vehicle:	0
Railway Vehicle:	0
Bicycle:	0
Motorized Bicycle:	0
Domestic Animal:	0
Wild Animal:	1
Light/Utility Pole:	0
Traffic Signal Pole:	0
Sign:	1
Bridge Rail:	0
Guard Rail:	4
Cable Rail:	1
Concrete Barrier:	1
Bridge Abutment:	0
Column/Pier:	0
Culvert/Headwall:	1
Embankment:	2
Curb:	0
Delineator Post:	1
Fence:	1
Tree:	0
Large Boulders or Rocks:	0
Barricade:	0
Wall/Building:	0
Crash Cushion:	0
Mailbox:	0
Other Fixed Object:	0
Total Fixed Objects:	12
Rocks in Roadway:	0
Vehicle Cargo/Debris:	0
Road Maintenance Equipment:	0
Involving Other Object:	0
Total Other Objects:	0
Unknown:	0
Total:	27

Mainline/Ramps/Frontage Roads	
Mainline:	0
Crossroad (A):	0
Ramps	
B: 1	F: 5
C: 1	G: 2
D: 7	H: 5
E: 3	I: 3
J: 0	K: 0
L: 0	M: 0
	N: 0
	O: 0
	P: 0
	Unknown: 0
Total:	27

Road Description	
At Intersection:	0
At Driveway Access:	0
Intersection Related:	0
Non Intersection:	0
In Alley:	0
Roundabout:	0
Ramp:	27
Parking Lot:	0
Unknown:	0
Total:	27

Road Conditions	
Dry:	21
Wet:	0
Muddy:	0
Snowy:	4
Icy:	1
Slushy:	0
Foreign Material:	0
With Road Treatment:	0
Dry w/Icy Road Treatment:	0
Wet w/Icy Road Treatment:	0
Snowy w/Icy Road Treatment:	0
Icy w/Icy Road Treatment:	0
Slushy w/Icy Road Treatment:	0
Unknown:	1
Total:	27

ADT: 73,655 Length: 1.03



Colorado Department of Transportation
DiExSys™ Roadway Safety Systems
Detailed Summary of Crashes Report

08/05/2016

Job #: 20160805132721

Location: 470A Begin: 5.16 End: 6.21 From:01/01/2010 To:12/31/2014

C-470/US 287 (Hampten Ave) Interchange Ramp Crashes 2010-2014

Vehicle Type	Veh 1	Veh 2	Veh 3	Vehicle Movement	Veh 1	Veh 2	Veh 3
Passenger Car/Van:	11	0	0	Going Straight:	8	2	0
Passenger Car/Van w/Trl:	0	0	0	Slowing:	1	0	0
Pickup Truck/Utility Van:	1	2	0	Stopped in Traffic:	0	1	0
Pickup Truck/Utility Van w/Trl:	0	0	0	Making Right Turn:	1	0	0
SUV:	7	1	0	Making Left Turn:	0	0	0
SUV w/Trl:	0	0	0	Making U-Turn:	0	0	0
Truck 10k lbs or Less:	0	0	0	Passing:	0	0	0
Trucks > 10k lbs/Bus > 15 People:	3	0	0	Backing:	0	0	0
School Bus < 15 People:	0	0	0	Enter/Leave Parked Position:	0	0	0
Non School Bus < 15 People:	0	1	0	Starting in Traffic:	0	0	0
Motorhome:	0	0	0	Parked:	0	0	0
Motorcycle:	5	0	0	Changing Lanes:	2	1	0
Bicycle:	0	0	0	Avoiding Object/Veh in Road:	2	0	0
Motorized Bicycle:	0	0	0	Weaving:	1	0	0
Farm Equipment:	0	0	0	Other:	12	0	0
Hit and Run - Unknown:	0	0	0	Unknown:	0	0	0
Other:	0	0	0	Total:	27	4	0
Unknown:	0	0	0				
Total:	27	4	0				

Contributing Factor	Veh 1	Veh 2	Veh 3	Direction	Veh 1	Veh 2	Veh 3
No Apparent Contributing Factor:	10	4	0	North:	4	0	0
Asleep at the Wheel:	0	0	0	Northeast:	2	0	0
Illness:	1	0	0	East:	5	0	0
Distracted by Passenger:	2	0	0	Southeast:	1	0	0
Driver Inexperience:	1	0	0	South:	4	0	0
Driver Fatigue:	0	0	0	Southwest:	3	2	0
Driver Preoccupied:	3	0	0	West:	3	0	0
Driver Unfamiliar with Area:	3	0	0	Northwest:	5	2	0
Driver Emotionally Upset:	0	0	0	Unknown:	0	0	0
Evading Law Enforcement Officer:	0	0	0	Total:	27	4	0
Physical Disability:	0	0	0				
Unknown:	7	0	0				
Total:	27	4	0				

Condition of Driver	Veh 1	Veh 2	Veh 3
No Impairment Suspected:	23	4	0
Alcohol Involved:	4	0	0
RX, Medication, or Drugs Involved:	0	0	0
Illegal Drugs Involved:	0	0	0
Alcohol and Drugs Involved:	0	0	0
Driver/Pedestrian not Observed:	0	0	0
Unknown:	0	0	0
Total:	27	4	0

ADT: 73,655 Length: 1.03

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Colorado Department of Transportation
DiExSys™ Roadway Safety Systems
Detailed Summary of Crashes Report

08/05/2016

Job #: 20160805132242

Location: 470A Begin: 3.81 End: 4.59 From:01/01/2010 To:12/31/2014

C-470/Morrison Rd (SH 8) Interchange Ramp Crashes 2010-2014

Severity	
PDO:	18
INJ:	5 14 :Injured
FAT:	0 0 :Killed
Total:	23

Number of Vehicles	
One Vehicle:	7
Two Vehicles:	15
Three or More:	1
Unknown:	0
Total:	23

Location	
On Road:	16
Off Road Left:	3
Off Road Right:	4
Off Road at Tee:	0
Off in Median:	0
Unknown:	0
Total:	23

Lighting Conditions	
Daylight:	20
Dawn or Dusk:	0
Dark - Lighted:	3
Dark - Unlighted:	0
Unknown:	0
Total:	23

Weather Conditions	
None:	22
Rain:	1
Snow/Sleet/Hail:	0
Fog:	0
Dust:	0
Wind:	0
Unknown:	0
Total:	23

Crash Rates	
PDO:	0.17* * MVMT
INJ:	0.05* ** 100 MVMT
FAT:	0.00**
Total:	0.21*

Crash Type	
Overtuning:	1
Other Non Collision:	0
Pedestrians:	0
Broadside:	0
Head On:	0
Rear End:	8
Sideswipe (Same):	7
Sideswipe (Opposite):	0
Approach Turn:	0
Overtaking Turn:	0
Parked Motor Vehicle:	0
Railway Vehicle:	0
Bicycle:	0
Motorized Bicycle:	0
Domestic Animal:	0
Wild Animal:	1
Light/Utility Pole:	0
Traffic Signal Pole:	0
Sign:	1
Bridge Rail:	0
Guard Rail:	1
Cable Rail:	0
Concrete Barrier:	2
Bridge Abutment:	0
Column/Pier:	0
Culvert/Headwall:	0
Embankment:	0
Curb:	0
Delineator Post:	1
Fence:	0
Tree:	0
Large Boulders or Rocks:	0
Barricade:	0
Wall/Building:	0
Crash Cushion:	1
Mailbox:	0
Other Fixed Object:	0
Total Fixed Objects:	6
Rocks in Roadway:	0
Vehicle Cargo/Debris:	0
Road Maintenance Equipment:	0
Involving Other Object:	0
Total Other Objects:	0
Unknown:	0
Total:	23

Mainline/Ramps/Frontage Roads	
Mainline:	0
Crossroad (A):	0
Ramps	
B: 2	F: 0
C: 12	G: 0
D: 5	H: 0
E: 4	I: 0
J: 0	K: 0
L: 0	M: 0
	N: 0
	O: 0
	P: 0
	Unknown: 0
Total:	23

Road Description	
At Intersection:	0
At Driveway Access:	0
Intersection Related:	0
Non Intersection:	0
In Alley:	0
Roundabout:	0
Ramp:	23
Parking Lot:	0
Unknown:	0
Total:	23

Road Conditions	
Dry:	21
Wet:	1
Muddy:	0
Snowy:	0
Icy:	0
Slushy:	0
Foreign Material:	0
With Road Treatment:	0
Dry w/Icy Road Treatment:	0
Wet w/Icy Road Treatment:	0
Snowy w/Icy Road Treatment:	0
Icy w/Icy Road Treatment:	0
Slushy w/Icy Road Treatment:	0
Unknown:	1
Total:	23

ADT: 76,581 Length: 0.77



Colorado Department of Transportation
DiExSys™ Roadway Safety Systems
Detailed Summary of Crashes Report

08/05/2016

Job #: 20160805132242

Location: 470A Begin: 3.81 End: 4.59 From:01/01/2010 To:12/31/2014

C-470/Morrison Rd (SH 8) Interchange Ramp Crashes 2010-2014

Vehicle Type	Veh 1	Veh 2	Veh 3	Vehicle Movement	Veh 1	Veh 2	Veh 3
Passenger Car/Van:	8	8	0	Going Straight:	12	6	0
Passenger Car/Van w/Trl:	0	0	0	Slowing:	1	3	0
Pickup Truck/Utility Van:	4	2	0	Stopped in Traffic:	0	2	1
Pickup Truck/Utility Van w/Trl:	1	1	0	Making Right Turn:	6	1	0
SUV:	8	5	1	Making Left Turn:	0	3	0
SUV w/Trl:	0	0	0	Making U-Turn:	0	0	0
Truck 10k lbs or Less:	0	0	0	Passing:	1	0	0
Trucks > 10k lbs/Bus > 15 People:	0	0	0	Backing:	0	0	0
School Bus < 15 People:	0	0	0	Enter/Leave Parked Position:	0	0	0
Non School Bus < 15 People:	0	0	0	Starting in Traffic:	0	0	0
Motorhome:	0	0	0	Parked:	0	0	0
Motorcycle:	2	0	0	Changing Lanes:	1	0	0
Bicycle:	0	0	0	Avoiding Object/Veh in Road:	0	0	0
Motorized Bicycle:	0	0	0	Weaving:	0	0	0
Farm Equipment:	0	0	0	Other:	2	1	0
Hit and Run - Unknown:	0	0	0	Unknown:	0	0	0
Other:	0	0	0	Total:	23	16	1
Unknown:	0	0	0				
Total:	23	16	1				

Contributing Factor	Veh 1	Veh 2	Veh 3	Direction	Veh 1	Veh 2	Veh 3
No Apparent Contributing Factor:	12	16	1	North:	7	4	0
Asleep at the Wheel:	1	0	0	Northeast:	1	1	1
Illness:	1	0	0	East:	8	7	0
Distracted by Passenger:	0	0	0	Southeast:	1	0	0
Driver Inexperience:	0	0	0	South:	4	2	0
Driver Fatigue:	0	0	0	Southwest:	1	1	0
Driver Preoccupied:	4	0	0	West:	1	1	0
Driver Unfamiliar with Area:	1	0	0	Northwest:	0	0	0
Driver Emotionally Upset:	0	0	0	Unknown:	0	0	0
Evading Law Enforcement Officer:	0	0	0	Total:	23	16	1
Physical Disability:	0	0	0				
Unknown:	4	0	0				
Total:	23	16	1				

Condition of Driver	Veh 1	Veh 2	Veh 3
No Impairment Suspected:	23	16	1
Alcohol Involved:	0	0	0
RX, Medication, or Drugs Involved:	0	0	0
Illegal Drugs Involved:	0	0	0
Alcohol and Drugs Involved:	0	0	0
Driver/Pedestrian not Observed:	0	0	0
Unknown:	0	0	0
Total:	23	16	1

ADT: 76,581 Length: 0.77

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Colorado Department of Transportation
DiExSys™ Roadway Safety Systems
Detailed Summary of Crashes Report

08/05/2016

Job #: 20160805135006

Location: 470A Begin: 1.58 End: 2.28 From:01/01/2010 To:12/31/2014

C-470/Alameda Parkway Interchange Ramp Crashes 2010-2014

Severity	
PDO:	3
INJ:	3 4 :Injured
FAT:	0 0 :Killed
Total:	6

Number of Vehicles	
One Vehicle:	3
Two Vehicles:	3
Three or More:	0
Unknown:	0
Total:	6

Location	
On Road:	3
Off Road Left:	0
Off Road Right:	3
Off Road at Tee:	0
Off in Median:	0
Unknown:	0
Total:	6

Lighting Conditions	
Daylight:	6
Dawn or Dusk:	0
Dark - Lighted:	0
Dark - Unlighted:	0
Unknown:	0
Total:	6

Weather Conditions	
None:	4
Rain:	2
Snow/Sleet/Hail:	0
Fog:	0
Dust:	0
Wind:	0
Unknown:	0
Total:	6

Crash Rates	
PDO:	0.03* * MVMT
INJ:	0.03* ** 100 MVMT
FAT:	0.00**
Total:	0.07*

Crash Type	
Overtuning:	0
Other Non Collision:	0
Pedestrians:	0
Broadside:	0
Head On:	0
Rear End:	3
Sideswipe (Same):	0
Sideswipe (Opposite):	0
Approach Turn:	0
Overtaking Turn:	0
Parked Motor Vehicle:	0
Railway Vehicle:	0
Bicycle:	0
Motorized Bicycle:	0
Domestic Animal:	0
Wild Animal:	0
Light/Utility Pole:	1
Traffic Signal Pole:	0
Sign:	0
Bridge Rail:	0
Guard Rail:	1
Cable Rail:	0
Concrete Barrier:	0
Bridge Abutment:	0
Column/Pier:	0
Culvert/Headwall:	1
Embankment:	0
Curb:	0
Delineator Post:	0
Fence:	0
Tree:	0
Large Boulders or Rocks:	0
Barricade:	0
Wall/Building:	0
Crash Cushion:	0
Mailbox:	0
Other Fixed Object:	0
Total Fixed Objects:	3
Rocks in Roadway:	0
Vehicle Cargo/Debris:	0
Road Maintenance Equipment:	0
Involving Other Object:	0
Total Other Objects:	0
Unknown:	0
Total:	6

Mainline/Ramps/Frontage Roads	
Mainline:	0
Crossroad (A):	0
Ramps	
B: 2	F: 0
C: 2	G: 0
D: 0	H: 0
E: 2	I: 0
J: 0	K: 0
L: 0	M: 0
N: 0	O: 0
P: 0	
Frontage/Ramp Intersections	
Left Frontage Rd (L):	0
Rt Frontage Rd (R):	0
HOV Lanes (V):	0
Unknown:	0
Total:	6

Road Description	
At Intersection:	0
At Driveway Access:	0
Intersection Related:	0
Non Intersection:	0
In Alley:	0
Roundabout:	0
Ramp:	6
Parking Lot:	0
Unknown:	0
Total:	6

Road Conditions	
Dry:	4
Wet:	2
Muddy:	0
Snowy:	0
Icy:	0
Slushy:	0
Foreign Material:	0
With Road Treatment:	0
Dry w/Icy Road Treatment:	0
Wet w/Icy Road Treatment:	0
Snowy w/Icy Road Treatment:	0
Icy w/Icy Road Treatment:	0
Slushy w/Icy Road Treatment:	0
Unknown:	0
Total:	6

ADT: 75,800 Length: 0.66



Colorado Department of Transportation
DiExSys™ Roadway Safety Systems
Detailed Summary of Crashes Report

08/05/2016

Job #: 20160805135006

Location: 470A Begin: 1.58 End: 2.28 From:01/01/2010 To:12/31/2014

C-470/Alameda Parkway Interchange Ramp Crashes 2010-2014

Vehicle Type	Veh 1	Veh 2	Veh 3
Passenger Car/Van:	3	2	0
Passenger Car/Van w/Trl:	0	0	0
Pickup Truck/Utility Van:	1	0	0
Pickup Truck/Utility Van w/Trl:	0	0	0
SUV:	2	1	0
SUV w/Trl:	0	0	0
Truck 10k lbs or Less:	0	0	0
Trucks > 10k lbs/Bus > 15 People:	0	0	0
School Bus < 15 People:	0	0	0
Non School Bus < 15 People:	0	0	0
Motorhome:	0	0	0
Motorcycle:	0	0	0
Bicycle:	0	0	0
Motorized Bicycle:	0	0	0
Farm Equipment:	0	0	0
Hit and Run - Unknown:	0	0	0
Other:	0	0	0
Unknown:	0	0	0
Total:	6	3	0

Vehicle Movement	Veh 1	Veh 2	Veh 3
Going Straight:	5	0	0
Slowing:	0	2	0
Stopped in Traffic:	0	1	0
Making Right Turn:	0	0	0
Making Left Turn:	0	0	0
Making U-Turn:	0	0	0
Passing:	0	0	0
Backing:	0	0	0
Enter/Leave Parked Position:	0	0	0
Starting in Traffic:	0	0	0
Parked:	0	0	0
Changing Lanes:	0	0	0
Avoiding Object/Veh in Road:	0	0	0
Weaving:	0	0	0
Other:	1	0	0
Unknown:	0	0	0
Total:	6	3	0

Contributing Factor	Veh 1	Veh 2	Veh 3
No Apparent Contributing Factor:	1	2	0
Asleep at the Wheel:	0	0	0
Illness:	0	0	0
Distracted by Passenger:	0	0	0
Driver Inexperience:	0	0	0
Driver Fatigue:	0	0	0
Driver Preoccupied:	2	0	0
Driver Unfamiliar with Area:	0	0	0
Driver Emotionally Upset:	0	0	0
Evading Law Enforcement Officer:	0	0	0
Physical Disability:	0	0	0
Unknown:	3	1	0
Total:	6	3	0

Direction	Veh 1	Veh 2	Veh 3
North:	2	1	0
Northeast:	0	0	0
East:	1	1	0
Southeast:	0	0	0
South:	3	1	0
Southwest:	0	0	0
West:	0	0	0
Northwest:	0	0	0
Unknown:	0	0	0
Total:	6	3	0

Condition of Driver	Veh 1	Veh 2	Veh 3
No Impairment Suspected:	4	3	0
Alcohol Involved:	1	0	0
RX, Medication, or Drugs Involved:	1	0	0
Illegal Drugs Involved:	0	0	0
Alcohol and Drugs Involved:	0	0	0
Driver/Pedestrian not Observed:	0	0	0
Unknown:	0	0	0
Total:	6	3	0

ADT: 75,800 Length: 0.66

Any intentional or inadvertent release of this data or any data derived from its use shall not constitute a waiver of privilege pursuant to 23 USC 409.



Colorado Department of Transportation
DiExSys™ Roadway Safety Systems
Detailed Summary of Crashes Report

08/05/2016

Job #: 20160805134037

Location: 70A Begin: 259.17 End: 260.29 From: 01/01/2010 To: 12/31/2014

C-470/I-70 Interchange I-70 Ramp Crashes 2010-2014

Severity	
PDO:	52
INJ:	15 19 :Injured
FAT:	0 0 :Killed
Total:	67

Number of Vehicles	
One Vehicle:	41
Two Vehicles:	22
Three or More:	4
Unknown:	0
Total:	67

Location	
On Road:	33
Off Road Left:	19
Off Road Right:	15
Off Road at Tee:	0
Off in Median:	0
Unknown:	0
Total:	67

Lighting Conditions	
Daylight:	30
Dawn or Dusk:	6
Dark - Lighted:	20
Dark - Unlighted:	11
Unknown:	0
Total:	67

Weather Conditions	
None:	50
Rain:	1
Snow/Sleet/Hail:	14
Fog:	0
Dust:	0
Wind:	2
Unknown:	0
Total:	67

Crash Rates	
PDO:	0.32* * MVMT
INJ:	0.09* ** 100 MVMT
FAT:	0.00**
Total:	0.41*

Crash Type	
Overtuning:	4
Other Non Collision:	1
Pedestrians:	0
Broadside:	0
Head On:	0
Rear End:	12
Sideswipe (Same):	12
Sideswipe (Opposite):	0
Approach Turn:	0
Overtaking Turn:	0
Parked Motor Vehicle:	0
Railway Vehicle:	0
Bicycle:	0
Motorized Bicycle:	0
Domestic Animal:	0
Wild Animal:	3
Light/Utility Pole:	0
Traffic Signal Pole:	0
Sign:	6
Bridge Rail:	0
Guard Rail:	5
Cable Rail:	0
Concrete Barrier:	11
Bridge Abutment:	0
Column/Pier:	0
Culvert/Headwall:	1
Embankment:	1
Curb:	0
Delineator Post:	1
Fence:	0
Tree:	1
Large Boulders or Rocks:	0
Barricade:	0
Wall/Building:	0
Crash Cushion:	9
Mailbox:	0
Other Fixed Object:	0
Total Fixed Objects:	35
Rocks in Roadway:	0
Vehicle Cargo/Debris:	0
Road Maintenance Equipment:	0
Involving Other Object:	0
Total Other Objects:	0
Unknown:	0
Total:	67

Mainline/Ramps/Frontage Roads	
Mainline:	0
Crossroad (A):	0
Ramps	
B: 24	F: 13
C: 22	G: 0
D: 0	H: 0
E: 3	I: 5
J: 0	K: 0
L: 0	M: 0
	N: 0
	O: 0
	P: 0
	Unknown: 0
Total:	67

Road Description	
At Intersection:	0
At Driveway Access:	0
Intersection Related:	0
Non Intersection:	2
In Alley:	0
Roundabout:	0
Ramp:	65
Parking Lot:	0
Unknown:	0
Total:	67

Road Conditions	
Dry:	45
Wet:	4
Muddy:	0
Snowy:	7
Icy:	9
Slushy:	1
Foreign Material:	0
With Road Treatment:	0
Dry w/Icy Road Treatment:	0
Wet w/Icy Road Treatment:	0
Snowy w/Icy Road Treatment:	0
Icy w/Icy Road Treatment:	0
Slushy w/Icy Road Treatment:	0
Unknown:	1
Total:	67

ADT: 81,076 Length: 1.10



Colorado Department of Transportation
DiExSys™ Roadway Safety Systems
Detailed Summary of Crashes Report

08/05/2016

Job #: 20160805134037

Location: 70A Begin: 259.17 End: 260.29 From: 01/01/2010 To: 12/31/2014

C-470/I-70 Interchange I-70 Ramp Crashes 2010-2014

Vehicle Type	Veh 1	Veh 2	Veh 3
Passenger Car/Van:	34	11	2
Passenger Car/Van w/Trl:	0	0	0
Pickup Truck/Utility Van:	9	4	0
Pickup Truck/Utility Van w/Trl:	0	3	0
SUV:	16	5	2
SUV w/Trl:	0	0	0
Truck 10k lbs or Less:	0	0	0
Trucks > 10k lbs/Bus > 15 People:	3	2	0
School Bus < 15 People:	0	0	0
Non School Bus < 15 People:	1	1	0
Motorhome:	0	0	0
Motorcycle:	2	0	0
Bicycle:	0	0	0
Motorized Bicycle:	0	0	0
Farm Equipment:	0	0	0
Hit and Run - Unknown:	1	0	0
Other:	1	0	0
Unknown:	0	0	0
Total:	67	26	4

Vehicle Movement	Veh 1	Veh 2	Veh 3
Going Straight:	27	16	1
Slowing:	1	7	2
Stopped in Traffic:	2	2	0
Making Right Turn:	0	0	0
Making Left Turn:	0	0	0
Making U-Turn:	0	0	0
Passing:	2	0	0
Backing:	1	0	0
Enter/Leave Parked Position:	0	0	0
Starting in Traffic:	0	0	0
Parked:	0	0	0
Changing Lanes:	16	0	0
Avoiding Object/Veh in Road:	2	1	0
Weaving:	2	0	0
Other:	14	0	1
Unknown:	0	0	0
Total:	67	26	4

Contributing Factor	Veh 1	Veh 2	Veh 3
No Apparent Contributing Factor:	25	24	3
Asleep at the Wheel:	3	0	0
Illness:	1	0	0
Distracted by Passenger:	8	0	0
Driver Inexperience:	5	0	0
Driver Fatigue:	0	0	0
Driver Preoccupied:	3	0	0
Driver Unfamiliar with Area:	4	1	0
Driver Emotionally Upset:	8	0	0
Evading Law Enforcement Officer:	0	0	0
Physical Disability:	1	0	0
Unknown:	9	1	1
Total:	67	26	4

Direction	Veh 1	Veh 2	Veh 3
North:	9	3	1
Northeast:	5	0	0
East:	29	10	1
Southeast:	1	0	0
South:	5	2	0
Southwest:	4	2	1
West:	14	9	1
Northwest:	0	0	0
Unknown:	0	0	0
Total:	67	26	4

Condition of Driver	Veh 1	Veh 2	Veh 3
No Impairment Suspected:	61	26	4
Alcohol Involved:	5	0	0
RX, Medication, or Drugs Involved:	1	0	0
Illegal Drugs Involved:	0	0	0
Alcohol and Drugs Involved:	0	0	0
Driver/Pedestrian not Observed:	0	0	0
Unknown:	0	0	0
Total:	67	26	4

ADT: 81,076 Length: 1.10



Colorado Department of Transportation
DiExSys™ Roadway Safety Systems
Detailed Summary of Crashes Report

08/05/2016

Job #: 20160805133530

Location: 470A Begin: 0.00 End: 0.56 From:01/01/2010 To:12/31/2014

C-470/I-70 Interchange C-470 Ramp Crashes 2010-2014

Severity

PDO:	7	
INJ:	0	0 :Injured
FAT:	0	0 :Killed
Total:	7	

Number of Vehicles

One Vehicle:	5
Two Vehicles:	2
Three or More:	0
Unknown:	0
Total:	7

Location

On Road:	2
Off Road Left:	2
Off Road Right:	3
Off Road at Tee:	0
Off in Median:	0
Unknown:	0
Total:	7

Lighting Conditions

Daylight:	4
Dawn or Dusk:	0
Dark - Lighted:	2
Dark - Unlighted:	1
Unknown:	0
Total:	7

Weather Conditions

None:	3
Rain:	0
Snow/Sleet/Hail:	4
Fog:	0
Dust:	0
Wind:	0
Unknown:	0
Total:	7

Crash Rates

PDO:	0.09*	* MVMT
INJ:	0.00*	** 100 MVMT
FAT:	0.00**	
Total:	0.09 *	

Crash Type

Overtuning:	0	Bridge Abutment:	0
Other Non Collision:	0	Column/Pier:	0
Pedestrians:	0	Culvert/Headwall:	0
Broadside:	0	Embankment:	0
Head On:	0	Curb:	0
Rear End:	0	Delineator Post:	0
Sideswipe (Same):	2	Fence:	0
Sideswipe (Opposite):	0	Tree:	1
Approach Turn:	0	Large Boulders or Rocks:	0
Overtaking Turn:	0	Barricade:	0
Parked Motor Vehicle:	0	Wall/Building:	0
Railway Vehicle:	0	Crash Cushion:	0
Bicycle:	0	Mailbox:	0
Motorized Bicycle:	0	Other Fixed Object:	0
Domestic Animal:	0	Total Fixed Objects:	5
Wild Animal:	0	Rocks in Roadway:	0
Light/Utility Pole:	0	Vehicle Cargo/Debris:	0
Traffic Signal Pole:	0	Road Maintenance Equipment:	0
Sign:	1	Involving Other Object:	0
Bridge Rail:	0	Total Other Objects:	0
Guard Rail:	1	Unknown:	0
Cable Rail:	0	Total:	7
Concrete Barrier:	2		

Mainline/Ramps/Frontage Roads

Mainline:	0	Frontage/Ramp Intersections							
Crossroad (A):	0	M:	0	N:	0	O:	0	P:	0
Ramps									
B:	0	F:	1	J:	3	Left Frontage Rd (L):	0		
C:	1	G:	0	K:	0	Rt Frontage Rd (R):	0		
D:	1	H:	1	L:	0	HOV Lanes (V):	0		
E:	0	I:	0			Unknown:	0	Total:	7

Road Description

At Intersection:	0
At Driveway Access:	0
Intersection Related:	0
Non Intersection:	0
In Alley:	0
Roundabout:	0
Ramp:	7
Parking Lot:	0
Unknown:	0
Total:	7

Road Conditions

Dry:	2
Wet:	0
Muddy:	0
Snowy:	2
Icy:	1
Slushy:	1
Foreign Material:	0
With Road Treatment:	0
Dry w/Icy Road Treatment:	0
Wet w/Icy Road Treatment:	0
Snowy w/Icy Road Treatment:	0
Icy w/Icy Road Treatment:	0
Slushy w/Icy Road Treatment:	0
Unknown:	1
Total:	7

ADT: 75,800 Length: 0.58



Colorado Department of Transportation
DiExSys™ Roadway Safety Systems
Detailed Summary of Crashes Report

08/05/2016

Job #: 20160805133530

Location: 470A Begin: 0.00 End: 0.56 From:01/01/2010 To:12/31/2014

C-470/I-70 Interchange C-470 Ramp Crashes 2010-2014

Vehicle Type	Veh 1	Veh 2	Veh 3
Passenger Car/Van:	2	1	0
Passenger Car/Van w/Trl:	0	0	0
Pickup Truck/Utility Van:	0	0	0
Pickup Truck/Utility Van w/Trl:	0	0	0
SUV:	5	1	0
SUV w/Trl:	0	0	0
Truck 10k lbs or Less:	0	0	0
Trucks > 10k lbs/Bus > 15 People:	0	0	0
School Bus < 15 People:	0	0	0
Non School Bus < 15 People:	0	0	0
Motorhome:	0	0	0
Motorcycle:	0	0	0
Bicycle:	0	0	0
Motorized Bicycle:	0	0	0
Farm Equipment:	0	0	0
Hit and Run - Unknown:	0	0	0
Other:	0	0	0
Unknown:	0	0	0
Total:	7	2	0

Vehicle Movement	Veh 1	Veh 2	Veh 3
Going Straight:	3	2	0
Slowing:	0	0	0
Stopped in Traffic:	0	0	0
Making Right Turn:	0	0	0
Making Left Turn:	0	0	0
Making U-Turn:	0	0	0
Passing:	0	0	0
Backing:	0	0	0
Enter/Leave Parked Position:	0	0	0
Starting in Traffic:	0	0	0
Parked:	0	0	0
Changing Lanes:	1	0	0
Avoiding Object/Veh in Road:	0	0	0
Weaving:	1	0	0
Other:	2	0	0
Unknown:	0	0	0
Total:	7	2	0

Contributing Factor	Veh 1	Veh 2	Veh 3
No Apparent Contributing Factor:	2	2	0
Asleep at the Wheel:	0	0	0
Illness:	0	0	0
Distracted by Passenger:	0	0	0
Driver Inexperience:	0	0	0
Driver Fatigue:	0	0	0
Driver Preoccupied:	0	0	0
Driver Unfamiliar with Area:	0	0	0
Driver Emotionally Upset:	2	0	0
Evading Law Enforcement Officer:	0	0	0
Physical Disability:	0	0	0
Unknown:	3	0	0
Total:	7	2	0

Direction	Veh 1	Veh 2	Veh 3
North:	2	0	0
Northeast:	1	0	0
East:	0	0	0
Southeast:	0	0	0
South:	0	0	0
Southwest:	0	0	0
West:	4	2	0
Northwest:	0	0	0
Unknown:	0	0	0
Total:	7	2	0

Condition of Driver	Veh 1	Veh 2	Veh 3
No Impairment Suspected:	7	2	0
Alcohol Involved:	0	0	0
RX, Medication, or Drugs Involved:	0	0	0
Illegal Drugs Involved:	0	0	0
Alcohol and Drugs Involved:	0	0	0
Driver/Pedestrian not Observed:	0	0	0
Unknown:	0	0	0
Total:	7	2	0

ADT: 75,800 Length: 0.58

Any intentional or inadvertent release of this data or any data derived from its use shall not constitute a waiver of privilege pursuant to 23 USC 409.

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User: Devin on DESIGN21

Detailed Summaries for Table 4



Colorado Department of Transportation
DiExSys™ Roadway Safety Systems
Detailed Summary of Crashes Report

08/05/2016

Job #: 20160805133814

Location: 470W Begin: 0.00 End: 0.56 From:01/01/2010 To:12/31/2014

C-470/I-70 Interchange C-470W Ramp Crashes 2010-2014

Severity	
PDO:	4
INJ:	1 :Injured
FAT:	0 :Killed
Total:	5

Number of Vehicles	
One Vehicle:	3
Two Vehicles:	1
Three or More:	1
Unknown:	0
Total:	5

Location	
On Road:	2
Off Road Left:	2
Off Road Right:	1
Off Road at Tee:	0
Off in Median:	0
Unknown:	0
Total:	5

Lighting Conditions	
Daylight:	4
Dawn or Dusk:	0
Dark - Lighted:	1
Dark - Unlighted:	0
Unknown:	0
Total:	5

Weather Conditions	
None:	5
Rain:	0
Snow/Sleet/Hail:	0
Fog:	0
Dust:	0
Wind:	0
Unknown:	0
Total:	5

Crash Rates	
PDO:	0.13* * MVMT
INJ:	0.03* ** 100 MVMT
FAT:	0.00**
Total:	0.16*

Crash Type	
Overtuning:	0
Other Non Collision:	0
Pedestrians:	0
Broadside:	0
Head On:	0
Rear End:	1
Sideswipe (Same):	1
Sideswipe (Opposite):	0
Approach Turn:	0
Overtaking Turn:	0
Parked Motor Vehicle:	0
Railway Vehicle:	0
Bicycle:	0
Motorized Bicycle:	0
Domestic Animal:	0
Wild Animal:	0
Light/Utility Pole:	0
Traffic Signal Pole:	0
Sign:	0
Bridge Rail:	1
Guard Rail:	1
Cable Rail:	0
Concrete Barrier:	1
Bridge Abutment:	0
Column/Pier:	0
Culvert/Headwall:	0
Embankment:	0
Curb:	0
Delineator Post:	0
Fence:	0
Tree:	0
Large Boulders or Rocks:	0
Barricade:	0
Wall/Building:	0
Crash Cushion:	0
Mailbox:	0
Other Fixed Object:	0
Total Fixed Objects:	3
Rocks in Roadway:	0
Vehicle Cargo/Debris:	0
Road Maintenance Equipment:	0
Involving Other Object:	0
Total Other Objects:	0
Unknown:	0
Total:	5

Mainline/Ramps/Frontage Roads	
Mainline:	0
Crossroad (A):	0
Ramps	
B:	0
C:	0
D:	0
E:	0
F:	0
G:	0
H:	0
I:	0
J:	5
K:	0
L:	0
M:	0
N:	0
O:	0
P:	0
Left Frontage Rd (L):	0
Rt Frontage Rd (R):	0
HOV Lanes (V):	0
Unknown:	0
Total:	5

Road Description	
At Intersection:	0
At Driveway Access:	0
Intersection Related:	0
Non Intersection:	0
In Alley:	0
Roundabout:	0
Ramp:	5
Parking Lot:	0
Unknown:	0
Total:	5

Road Conditions	
Dry:	4
Wet:	0
Muddy:	0
Snowy:	1
Icy:	0
Slushy:	0
Foreign Material:	0
With Road Treatment:	0
Dry w/Icy Road Treatment:	0
Wet w/Icy Road Treatment:	0
Snowy w/Icy Road Treatment:	0
Icy w/Icy Road Treatment:	0
Slushy w/Icy Road Treatment:	0
Unknown:	0
Total:	5

ADT: 23,800 Length: 0.71



Colorado Department of Transportation
DiExSys™ Roadway Safety Systems
Detailed Summary of Crashes Report

08/05/2016

Job #: 20160805133814

Location: 470W Begin: 0.00 End: 0.56 From:01/01/2010 To:12/31/2014

C-470/I-70 Interchange C-470W Ramp Crashes 2010-2014

Vehicle Type	Veh 1	Veh 2	Veh 3	Vehicle Movement	Veh 1	Veh 2	Veh 3
Passenger Car/Van:	4	1	1	Going Straight:	2	2	1
Passenger Car/Van w/Trl:	0	0	0	Slowing:	0	0	0
Pickup Truck/Utility Van:	0	0	0	Stopped in Traffic:	0	0	0
Pickup Truck/Utility Van w/Trl:	0	0	0	Making Right Turn:	0	0	0
SUV:	1	0	0	Making Left Turn:	0	0	0
SUV w/Trl:	0	0	0	Making U-Turn:	0	0	0
Truck 10k lbs or Less:	0	0	0	Passing:	0	0	0
Trucks > 10k lbs/Bus > 15 People:	0	1	0	Backing:	0	0	0
School Bus < 15 People:	0	0	0	Enter/Leave Parked Position:	1	0	0
Non School Bus < 15 People:	0	0	0	Starting in Traffic:	0	0	0
Motorhome:	0	0	0	Parked:	0	0	0
Motorcycle:	0	0	0	Changing Lanes:	1	0	0
Bicycle:	0	0	0	Avoiding Object/Veh in Road:	0	0	0
Motorized Bicycle:	0	0	0	Weaving:	0	0	0
Farm Equipment:	0	0	0	Other:	1	0	0
Hit and Run - Unknown:	0	0	0	Unknown:	0	0	0
Other:	0	0	0	Total:	5	2	1
Unknown:	0	0	0				
Total:	5	2	1				

Contributing Factor	Veh 1	Veh 2	Veh 3	Direction	Veh 1	Veh 2	Veh 3
No Apparent Contributing Factor:	2	2	1	North:	1	0	0
Asleep at the Wheel:	0	0	0	Northeast:	0	0	0
Illness:	0	0	0	East:	0	0	0
Distracted by Passenger:	0	0	0	Southeast:	1	0	0
Driver Inexperience:	0	0	0	South:	0	0	0
Driver Fatigue:	0	0	0	Southwest:	0	0	0
Driver Preoccupied:	1	0	0	West:	3	2	1
Driver Unfamiliar with Area:	1	0	0	Northwest:	0	0	0
Driver Emotionally Upset:	1	0	0	Unknown:	0	0	0
Evading Law Enforcement Officer:	0	0	0	Total:	5	2	1
Physical Disability:	0	0	0				
Unknown:	0	0	0				
Total:	5	2	1				

Condition of Driver	Veh 1	Veh 2	Veh 3
No Impairment Suspected:	5	2	1
Alcohol Involved:	0	0	0
RX, Medication, or Drugs Involved:	0	0	0
Illegal Drugs Involved:	0	0	0
Alcohol and Drugs Involved:	0	0	0
Driver/Pedestrian not Observed:	0	0	0
Unknown:	0	0	0
Total:	5	2	1

ADT: 23,800 Length: 0.71

Any intentional or inadvertent release of this data or any data derived from its use shall not constitute a waiver of privilege pursuant to 23 USC 409.



Colorado Department of Transportation
DiExSys™ Roadway Safety Systems
Detailed Summary of Crashes Report

08/22/2016

Job #: 20160822132905

Location: 70A 470W/470A Begin: 259.17 End: 260.29 From: 01/01/2010 To: 12/31/2014

C-470/I-70 Interchange Ramp E Crashes 2010-2014

Severity

PDO:	1	
INJ:	2	3 :Injured
FAT:	0	0 :Killed
Total:	3	

Number of Vehicles

One Vehicle:	1
Two Vehicles:	1
Three or More:	1
Unknown:	0
Total:	3

Location

On Road:	3
Off Road Left:	0
Off Road Right:	0
Off Road at Tee:	0
Off in Median:	0
Unknown:	0
Total:	3

Lighting Conditions

Daylight:	2
Dawn or Dusk:	0
Dark - Lighted:	0
Dark - Unlighted:	1
Unknown:	0
Total:	3

Weather Conditions

None:	3
Rain:	0
Snow/Sleet/Hail:	0
Fog:	0
Dust:	0
Wind:	0
Unknown:	0
Total:	3

Crash Rates

PDO:	0.01 *	* MVMT
INJ:	0.01 *	** 100 MVMT
FAT:	0.00 **	
Total:	0.02 *	

Crash Type

Overtuning:	1	Bridge Abutment:	0
Other Non Collision:	0	Column/Pier:	0
Pedestrians:	0	Culvert/Headwall:	0
Broadside:	0	Embankment:	0
Head On:	0	Curb:	0
Rear End:	2	Delineator Post:	0
Sideswipe (Same):	0	Fence:	0
Sideswipe (Opposite):	0	Tree:	0
Approach Turn:	0	Large Boulders or Rocks:	0
Overtaking Turn:	0	Barricade:	0
Parked Motor Vehicle:	0	Wall/Building:	0
Railway Vehicle:	0	Crash Cushion:	0
Bicycle:	0	Mailbox:	0
Motorized Bicycle:	0	Other Fixed Object:	0
Domestic Animal:	0	Total Fixed Objects:	0
Wild Animal:	0	Rocks in Roadway:	0
Light/Utility Pole:	0	Vehicle Cargo/Debris:	0
Traffic Signal Pole:	0	Road Maintenance Equipment:	0
Sign:	0	Involving Other Object:	0
Bridge Rail:	0	Total Other Objects:	0
Guard Rail:	0	Unknown:	0
Cable Rail:	0	Total:	3
Concrete Barrier:	0		

Mainline/Ramps/Frontage Roads

Mainline:	0	Frontage/Ramp Intersections							
Crossroad (A):	0	M:	0	N:	0	O:	0	P:	0
Ramps									
B:	0	F:	0	J:	0	Left Frontage Rd (L):	0		
C:	0	G:	0	K:	0	Rt Frontage Rd (R):	0		
D:	0	H:	0	L:	0	HOV Lanes (V):	0		
E:	3	I:	0			Unknown:	0	Total:	3

Road Description

At Intersection:	0
At Driveway Access:	0
Intersection Related:	0
Non Intersection:	1
In Alley:	0
Roundabout:	0
Ramp:	2
Parking Lot:	0
Unknown:	0
Total:	3

Road Conditions

Dry:	2
Wet:	0
Muddy:	0
Snowy:	0
Icy:	1
Slushy:	0
Foreign Material:	0
With Road Treatment:	0
Dry w/Icy Road Treatment:	0
Wet w/Icy Road Treatment:	0
Snowy w/Icy Road Treatment:	0
Icy w/Icy Road Treatment:	0
Slushy w/Icy Road Treatment:	0
Unknown:	0
Total:	3

ADT: 81,076 Length: 1.10



Colorado Department of Transportation
DiExSys™ Roadway Safety Systems
Detailed Summary of Crashes Report

08/22/2016

Job #: 20160822132905

Location: 70A 470W/470A Begin: 259.17 End: 260.29 From: 01/01/2010 To: 12/31/2014

C-470/I-70 Interchange Ramp E Crashes 2010-2014

Vehicle Type	Veh 1	Veh 2	Veh 3	Vehicle Movement	Veh 1	Veh 2	Veh 3
Passenger Car/Van:	1	1	0	Going Straight:	2	0	1
Passenger Car/Van w/Trl:	0	0	0	Slowing:	0	2	0
Pickup Truck/Utility Van:	1	1	0	Stopped in Traffic:	0	0	0
Pickup Truck/Utility Van w/Trl:	0	0	0	Making Right Turn:	0	0	0
SUV:	0	0	1	Making Left Turn:	0	0	0
SUV w/Trl:	0	0	0	Making U-Turn:	0	0	0
Truck 10k lbs or Less:	0	0	0	Passing:	0	0	0
Trucks > 10k lbs/Bus > 15 People:	0	0	0	Backing:	1	0	0
School Bus < 15 People:	0	0	0	Enter/Leave Parked Position:	0	0	0
Non School Bus < 15 People:	0	0	0	Starting in Traffic:	0	0	0
Motorhome:	0	0	0	Parked:	0	0	0
Motorcycle:	1	0	0	Changing Lanes:	0	0	0
Bicycle:	0	0	0	Avoiding Object/Veh in Road:	0	0	0
Motorized Bicycle:	0	0	0	Weaving:	0	0	0
Farm Equipment:	0	0	0	Other:	0	0	0
Hit and Run - Unknown:	0	0	0	Unknown:	0	0	0
Other:	0	0	0	Total:	3	2	1
Unknown:	0	0	0				
Total:	3	2	1				

Contributing Factor	Veh 1	Veh 2	Veh 3	Direction	Veh 1	Veh 2	Veh 3
No Apparent Contributing Factor:	2	2	1	North:	0	0	0
Asleep at the Wheel:	0	0	0	Northeast:	0	0	0
Illness:	0	0	0	East:	0	0	0
Distracted by Passenger:	0	0	0	Southeast:	0	0	0
Driver Inexperience:	0	0	0	South:	2	1	0
Driver Fatigue:	0	0	0	Southwest:	0	0	0
Driver Preoccupied:	0	0	0	West:	1	1	1
Driver Unfamiliar with Area:	0	0	0	Northwest:	0	0	0
Driver Emotionally Upset:	1	0	0	Unknown:	0	0	0
Evading Law Enforcement Officer:	0	0	0	Total:	3	2	1
Physical Disability:	0	0	0				
Unknown:	0	0	0				
Total:	3	2	1				

Condition of Driver	Veh 1	Veh 2	Veh 3
No Impairment Suspected:	3	2	1
Alcohol Involved:	0	0	0
RX, Medication, or Drugs Involved:	0	0	0
Illegal Drugs Involved:	0	0	0
Alcohol and Drugs Involved:	0	0	0
Driver/Pedestrian not Observed:	0	0	0
Unknown:	0	0	0
Total:	3	2	1

ADT: 81,076 Length: 1.10

Any intentional or inadvertent release of this data or any data derived from its use shall not constitute a waiver of privilege pursuant to 23 USC 409.

Appendix B

Safety Performance Function Graphs



Location: 0470A

Begin: 4.26

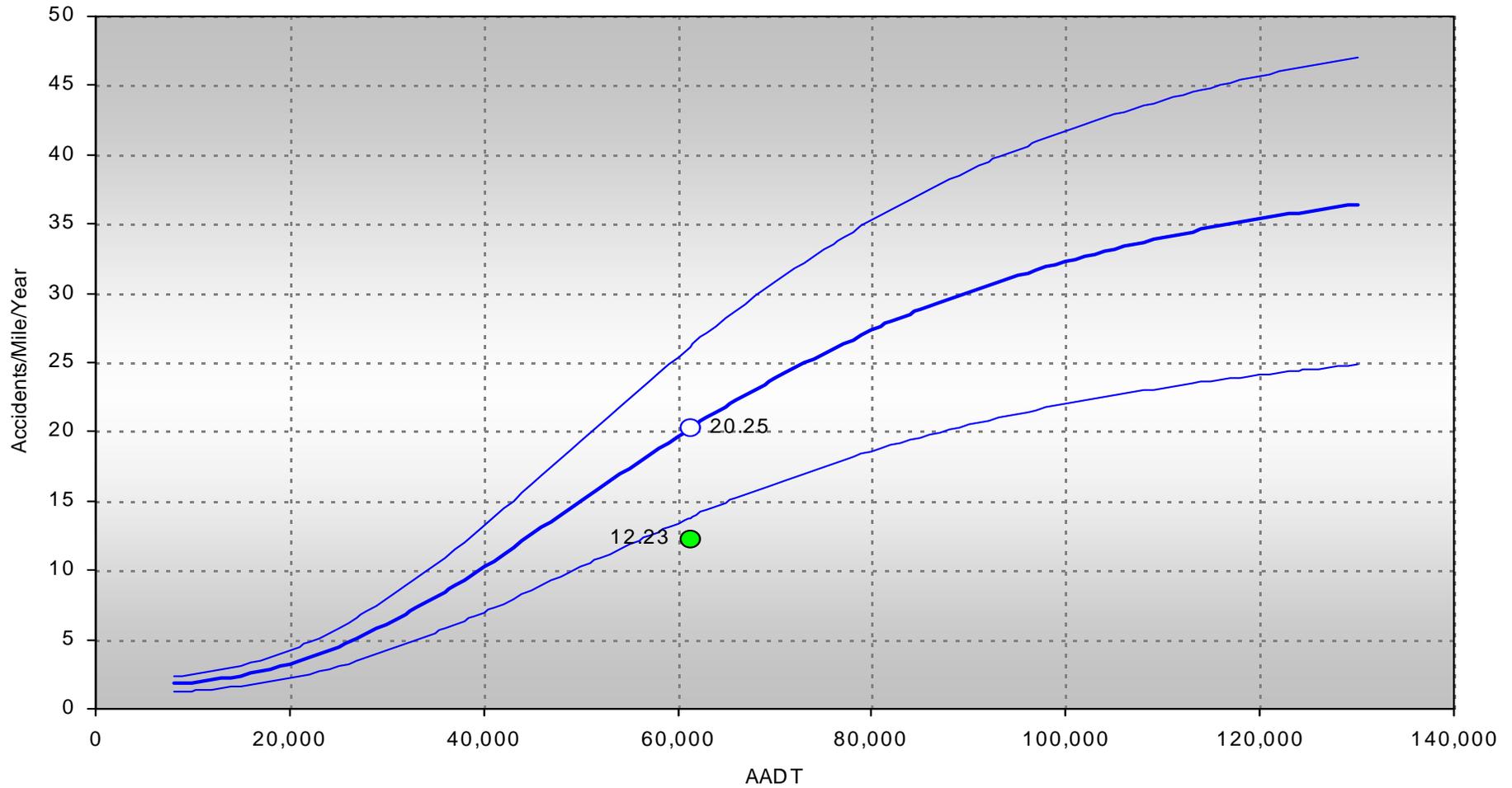
End: 12.45

From: 01/01/2010

To: 12/31/2014

Mainline Only, Non-Intersection Crashes 2010-2014

Lower Limit (20%) Total Upper Limit (80%) Observed (EB) Expected





Location: 0470A

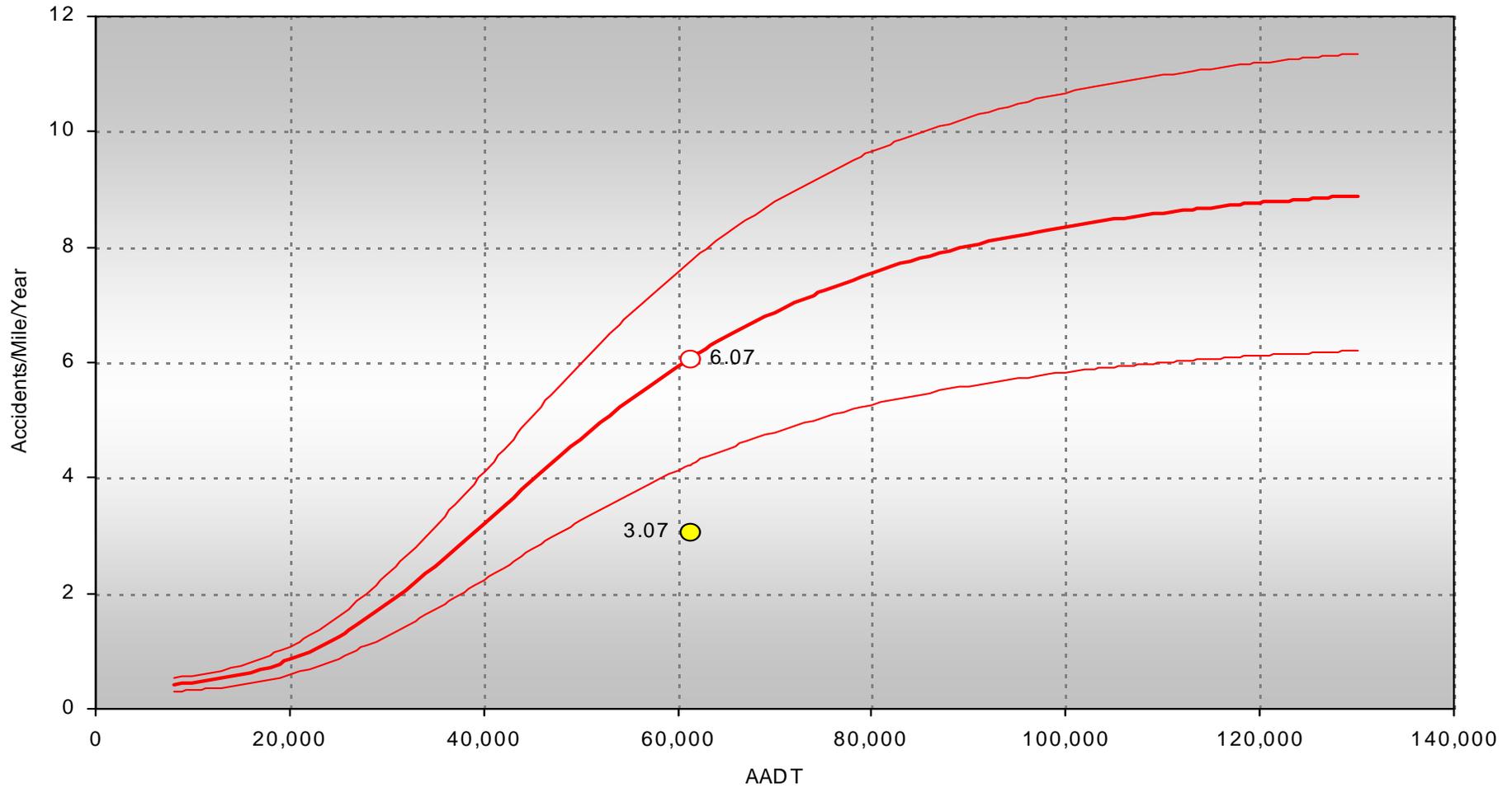
Begin: 4.26

End: 12.45

From: 01/01/2010 To: 12/31/2014

Mainline Only, Non-Intersection Crashes 2010-2014

— Lower Limit (20%) — INJ + FAT — Upper Limit (80%) ● Observed (EB) ○ Expected





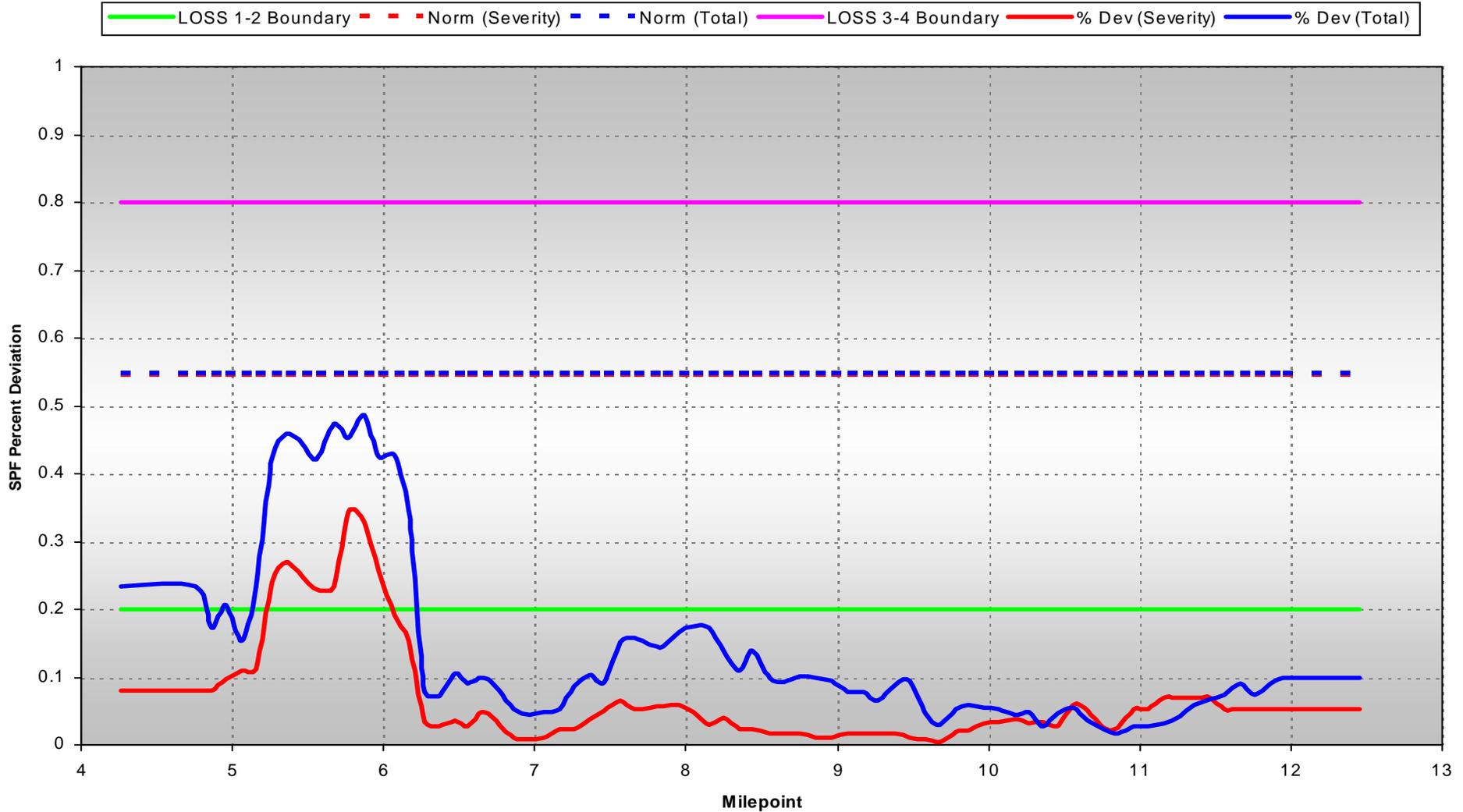
Location: SH470A

Freeways (2016)

Begin: 4.26

End: 12.45

From: 01/01/2010 To: 12/31/2014





Location: 0470A

Begin: 0.00

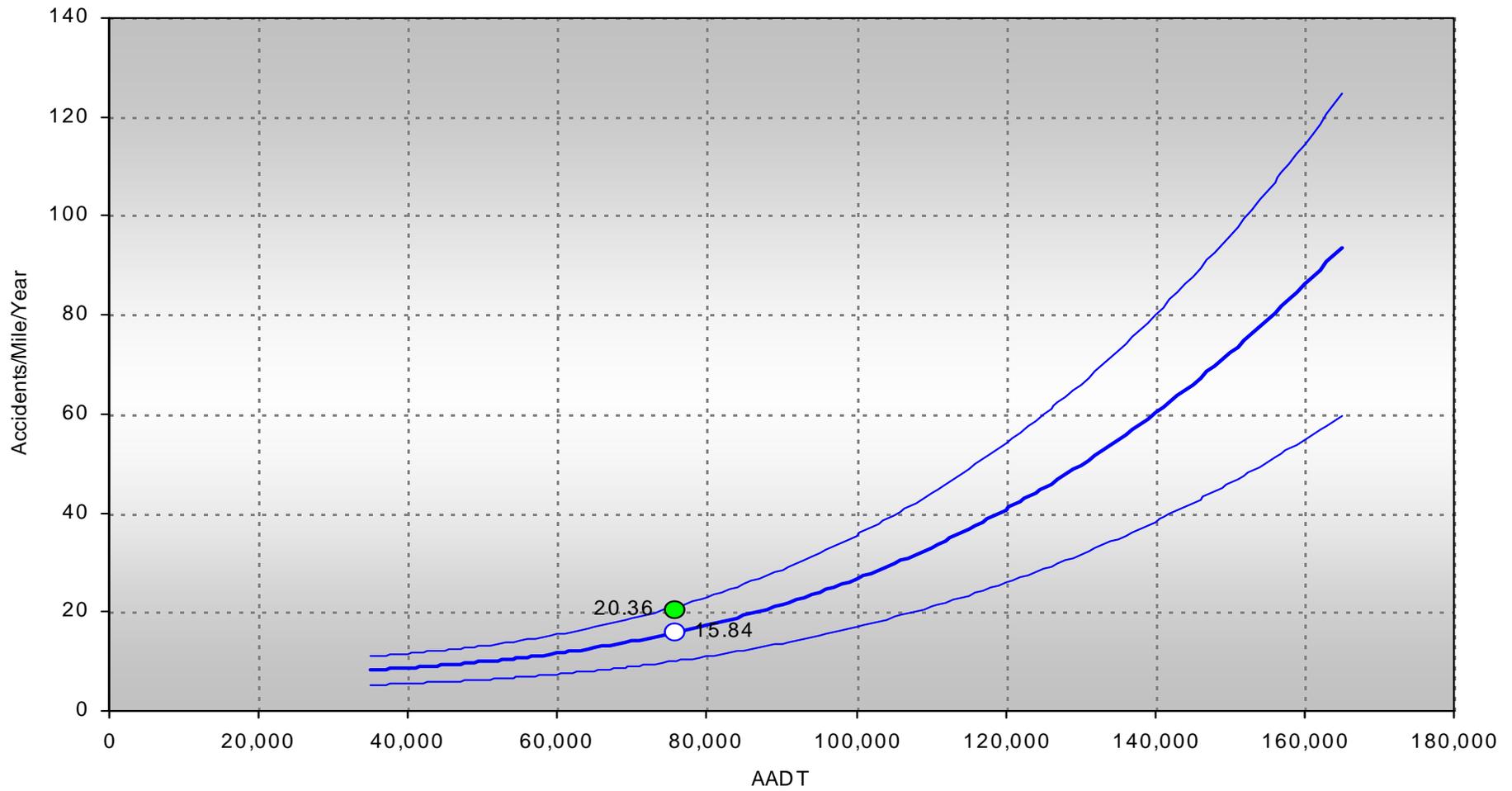
End: 4.25

From: 01/01/2010

To: 12/31/2014

C-470A - I-70 to Morrison - Mainline Crashes Only

— Lower Limit (20%) — Total — Upper Limit (80%) ● Observed (EB) ○ Expected





Location: 0470A

Begin: 0.00

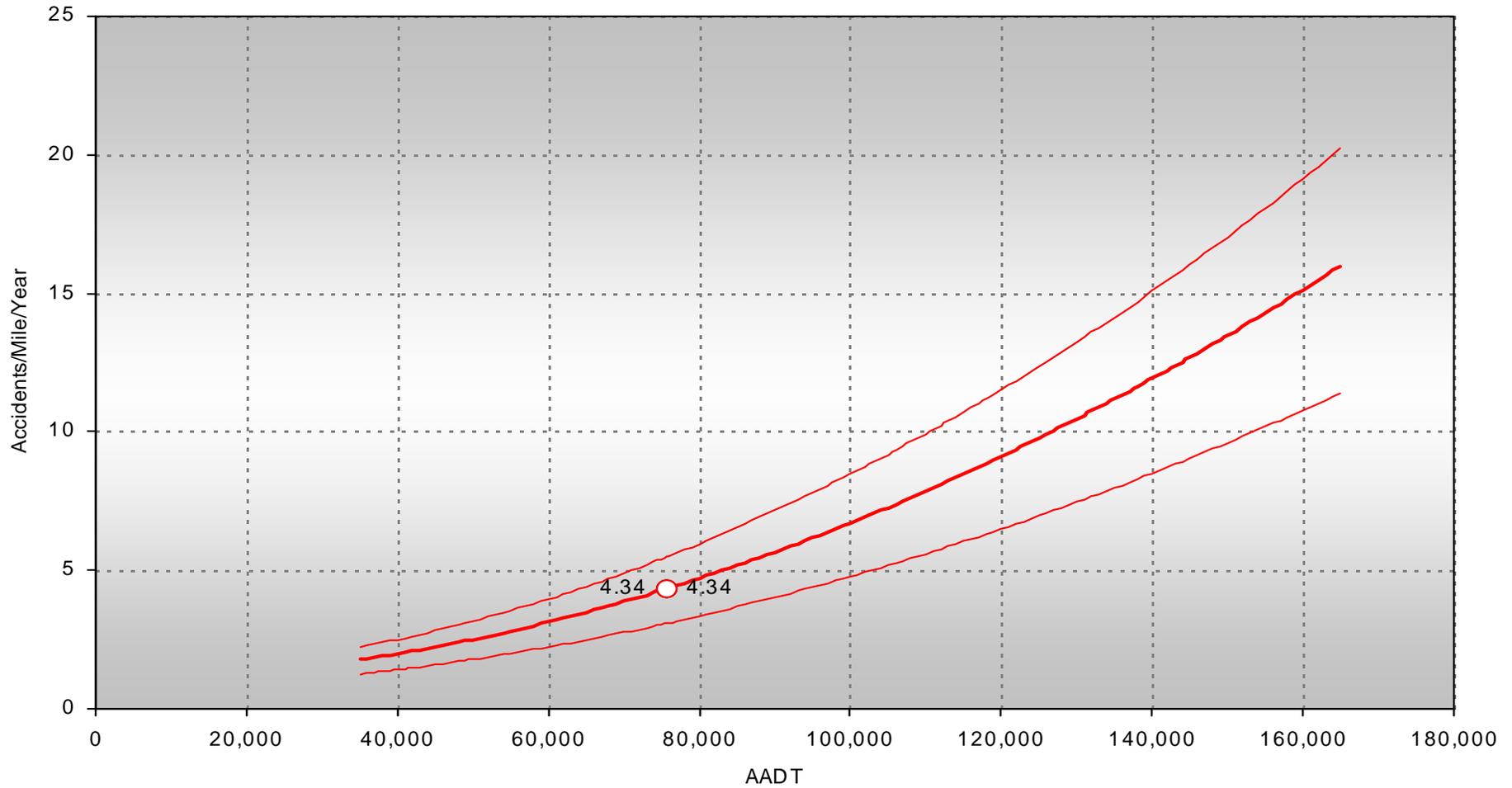
End: 4.25

From: 01/01/2010

To: 12/31/2014

C-470A - I-70 to Morrison - Mainline Crashes Only

— Lower Limit (20%) — INJ + FAT — Upper Limit (80%) ● Observed (EB) ○ Expected





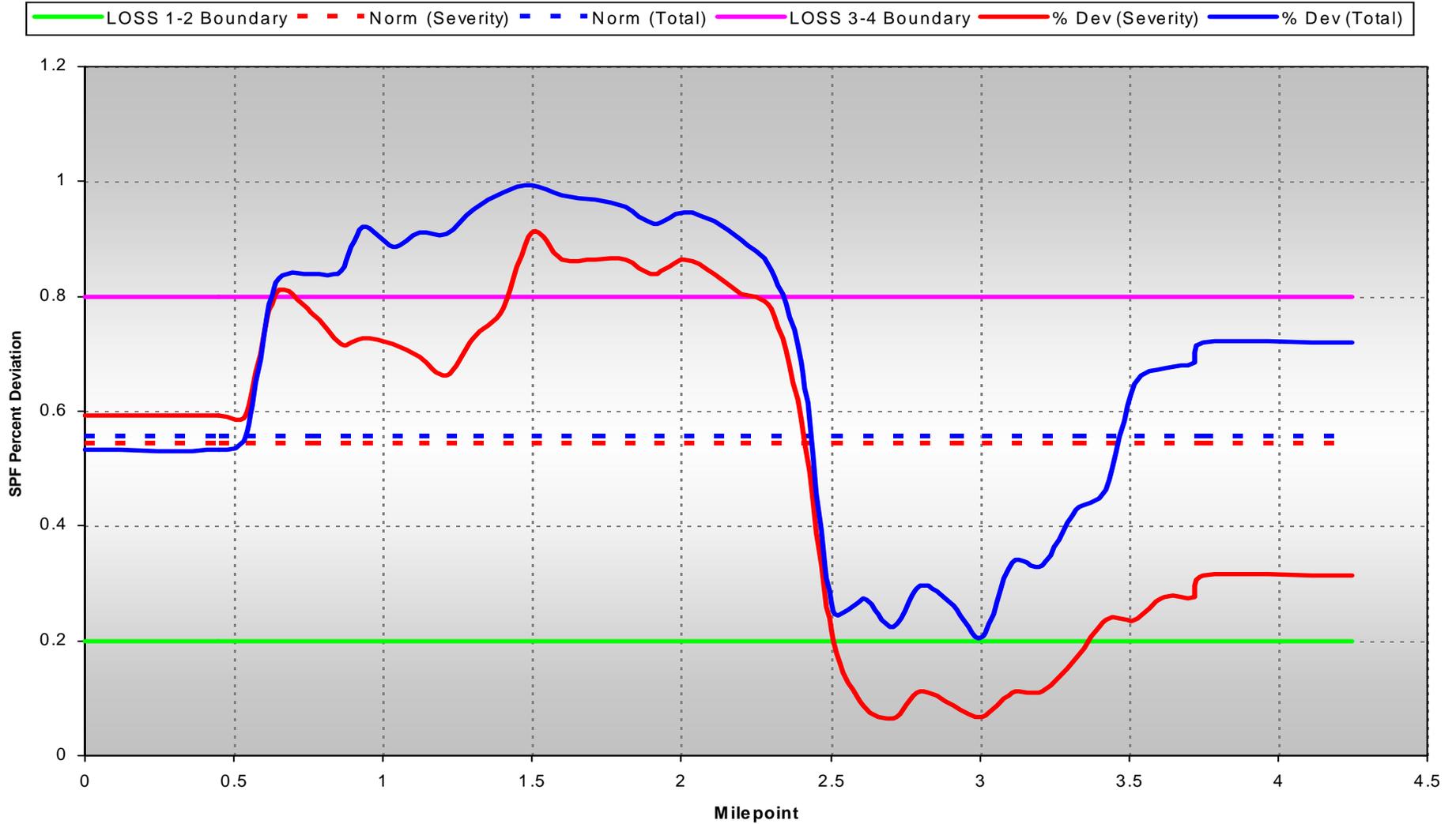
Location: SH470A

Freeways (2016)

Begin: 0.00

End: 4.25

From: 01/01/2010 To: 12/31/2014





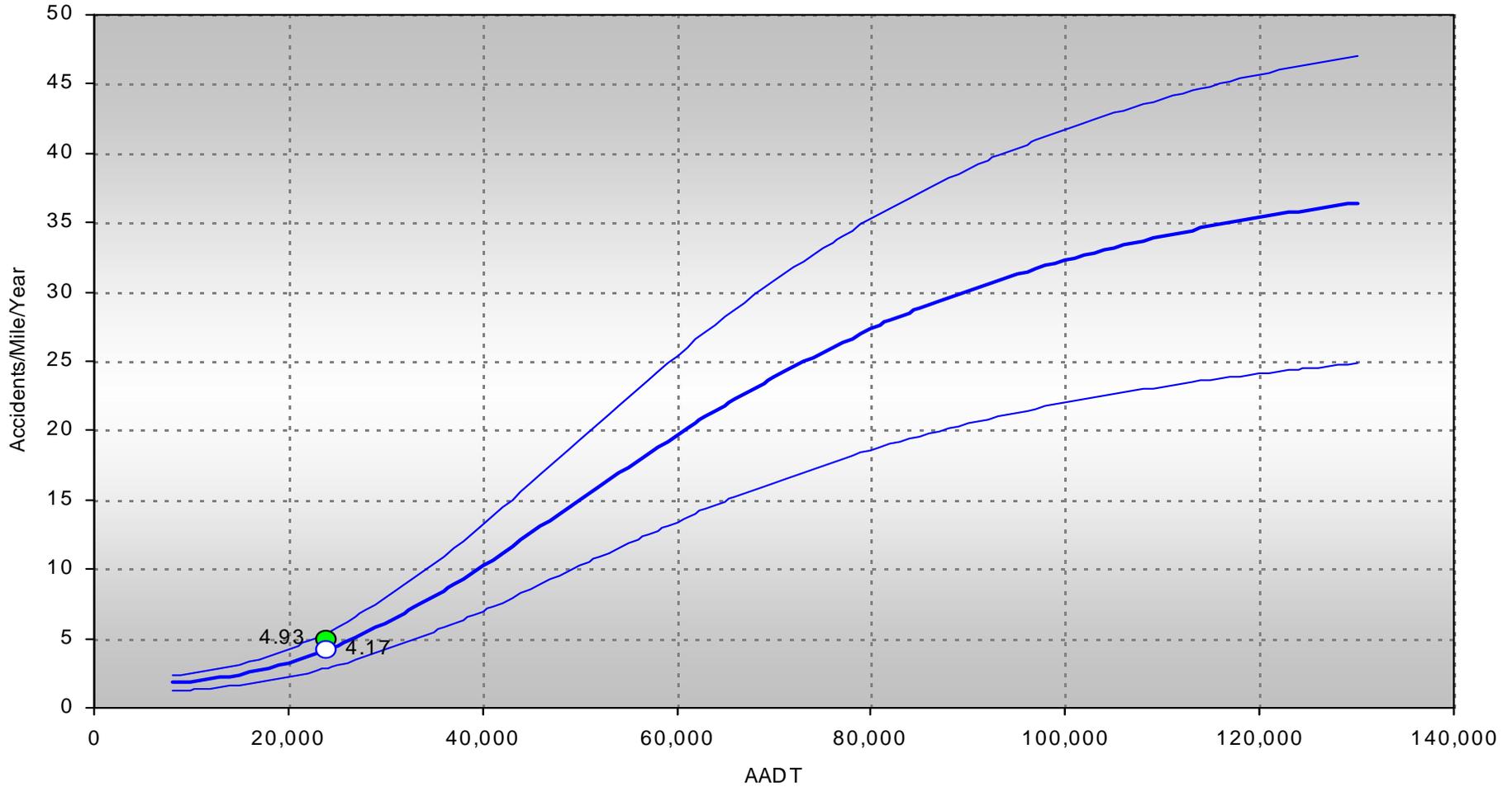
Location: 0470W

Begin: 0.00

End: 1.21

From: 01/01/2010

To: 12/31/2014





Location: 0470W

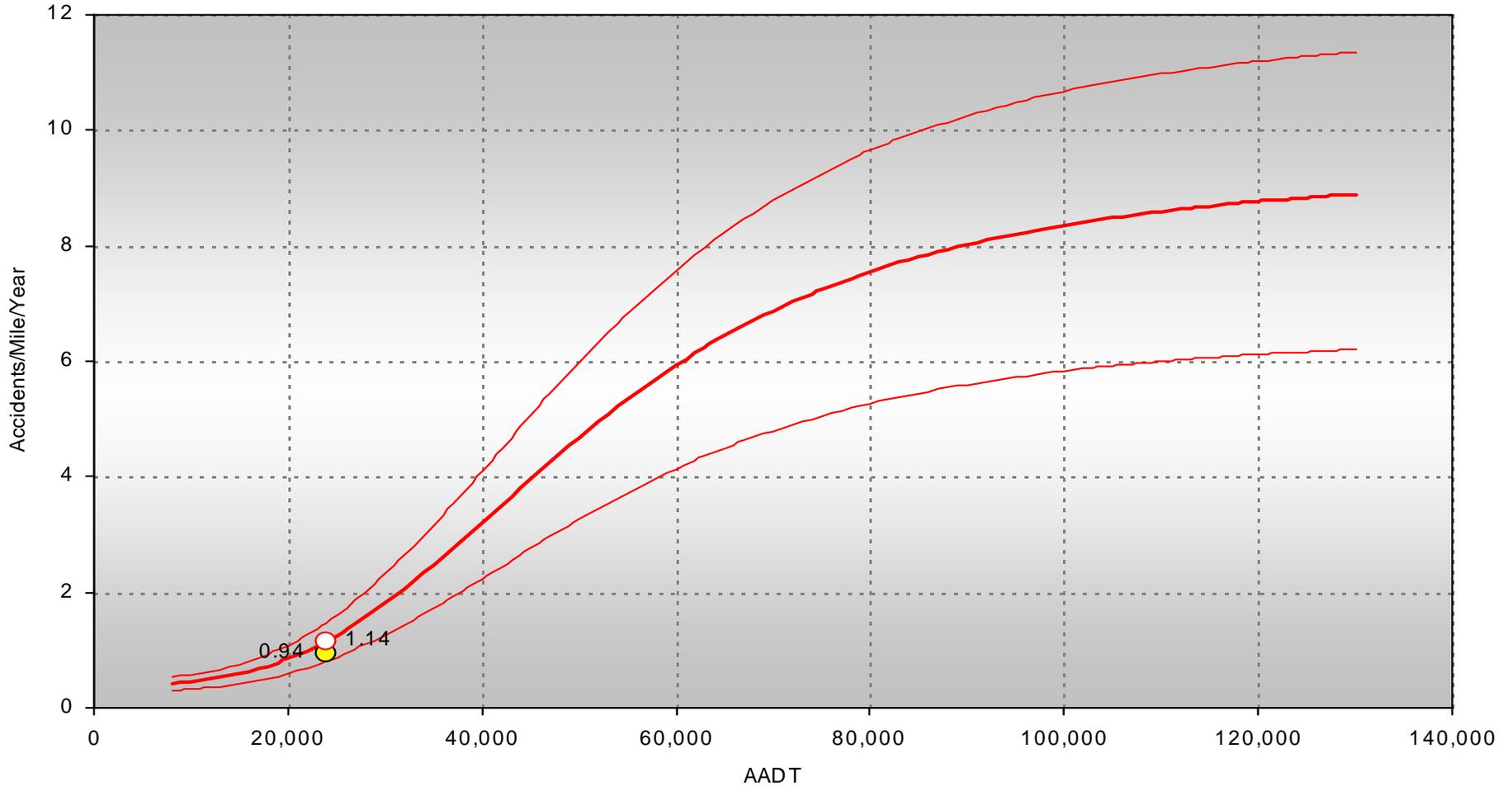
Begin: 0.00

End: 1.21

From: 01/01/2010

To: 12/31/2014

— Lower Limit (20%) — INJ + FAT — Upper Limit (80%) ● Observed (EB) ○ Expected





Colorado Department of Transportation
DiExSys™ Roadway Safety Systems

08/04/2016

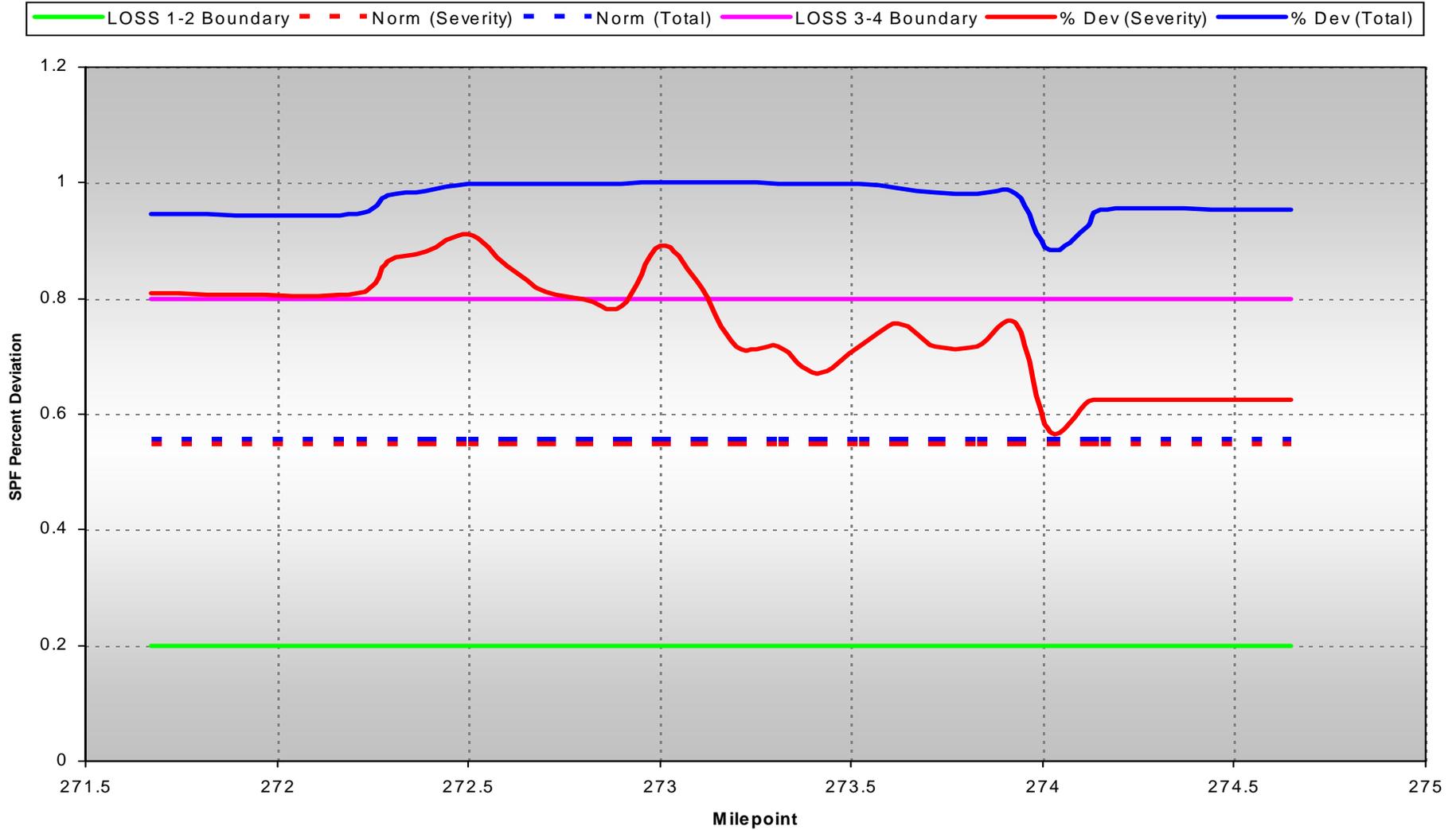
SPF/LOSS Index Graph Using: Colorado - Rural Flat and Rolling 4-Lane Divided Highways

Job #: 20160804164913

Location: SH6G

(2016)

Begin: 271.67 End: 274.65 From: 01/01/2010 To: 12/31/2014



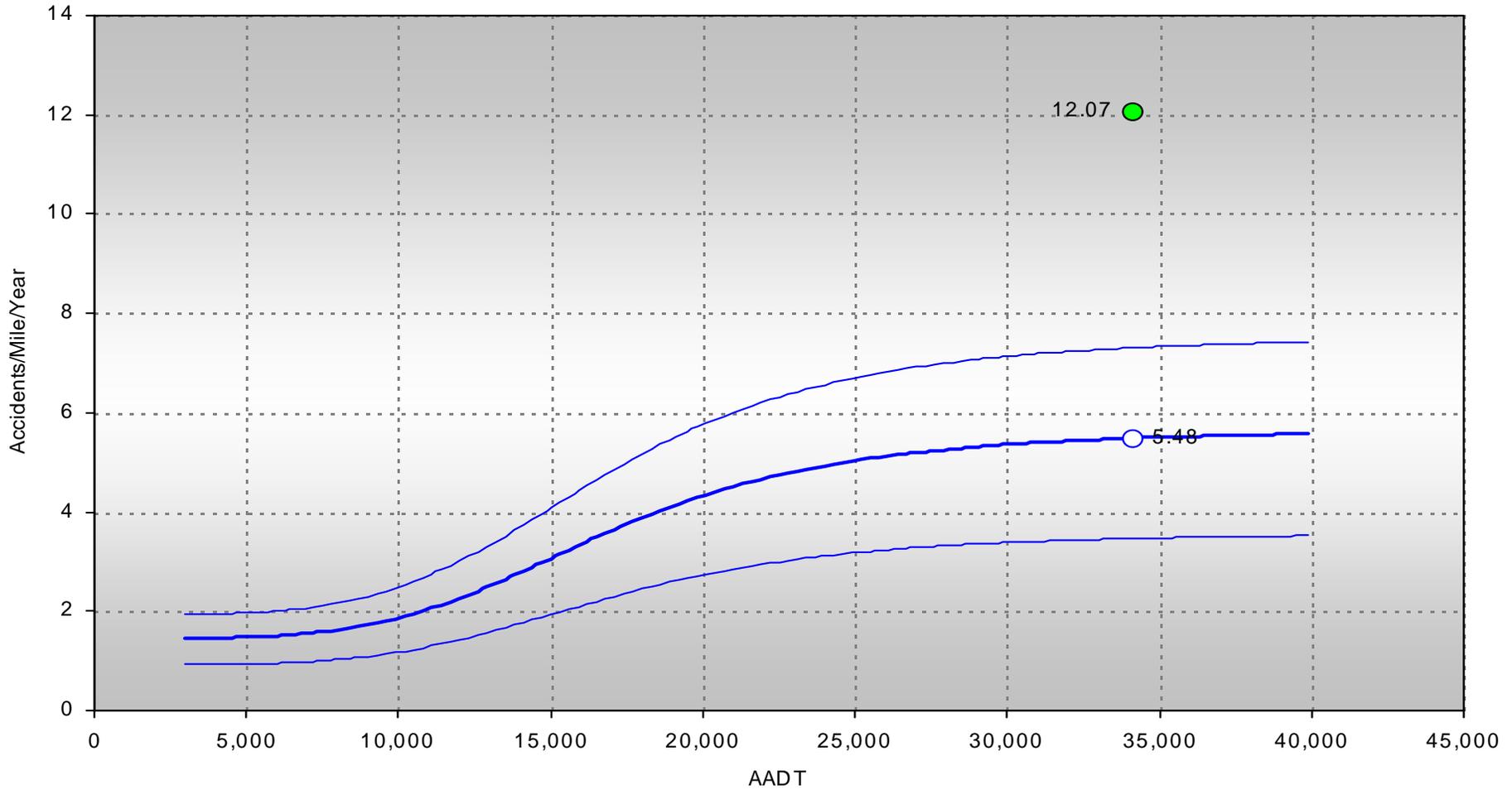


Location: 0006G

Begin: 271.67 End: 274.65 From: 01/01/2010 To: 12/31/2014

US 6 G - SH 58/SH 93 to Johnson Rd - mainline, non-intersection crashes

Lower Limit (20%) Total Upper Limit (80%) Observed (EB) Expected



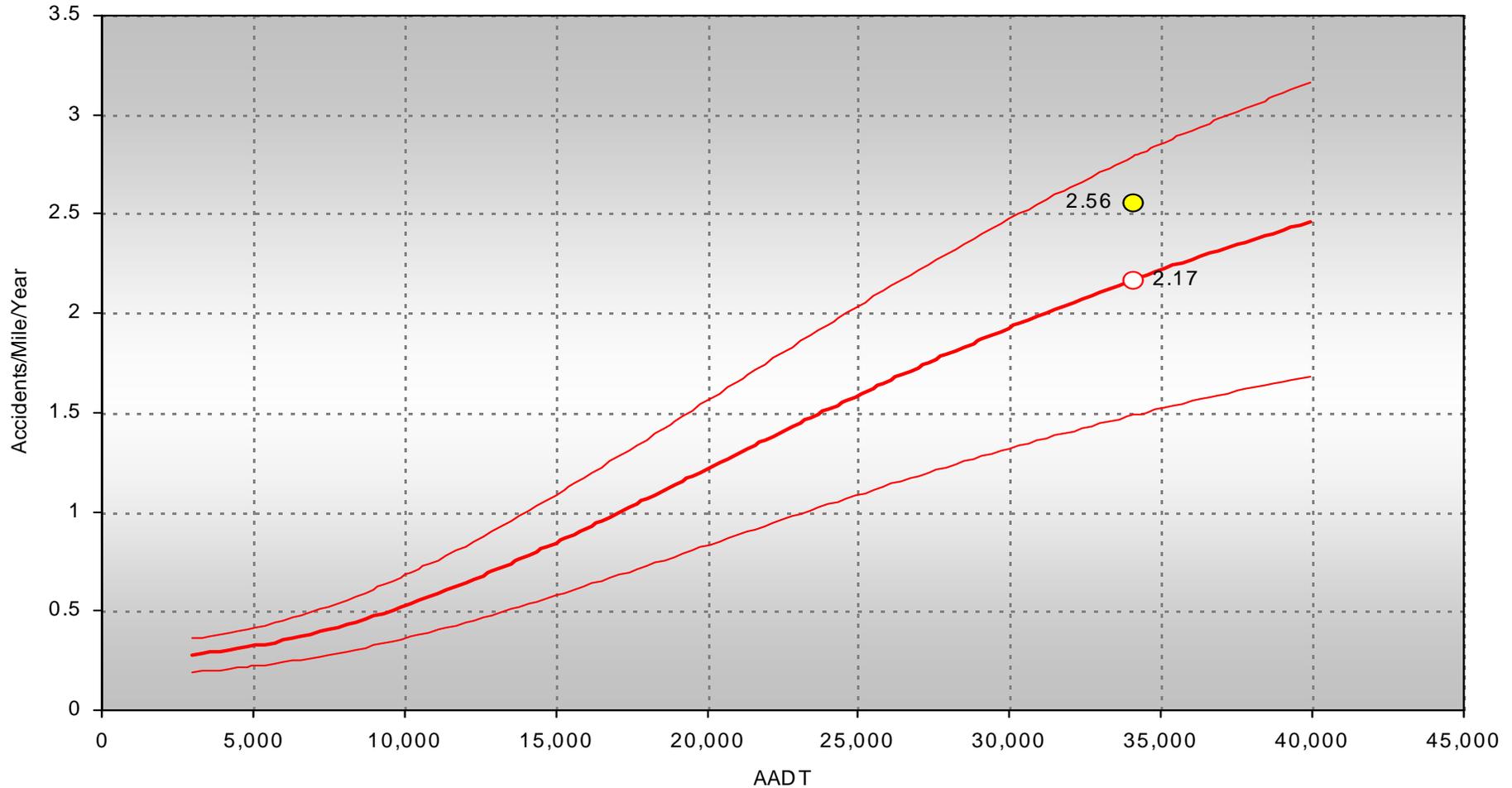


Location: 0006G

Begin: 271.67 End: 274.65 From: 01/01/2010 To: 12/31/2014

US 6 G - SH 58/SH 93 to Johnson Rd - mainline, non-intersection crashes

Lower Limit (20%) INJ + FAT Upper Limit (80%) Observed (EB) Expected

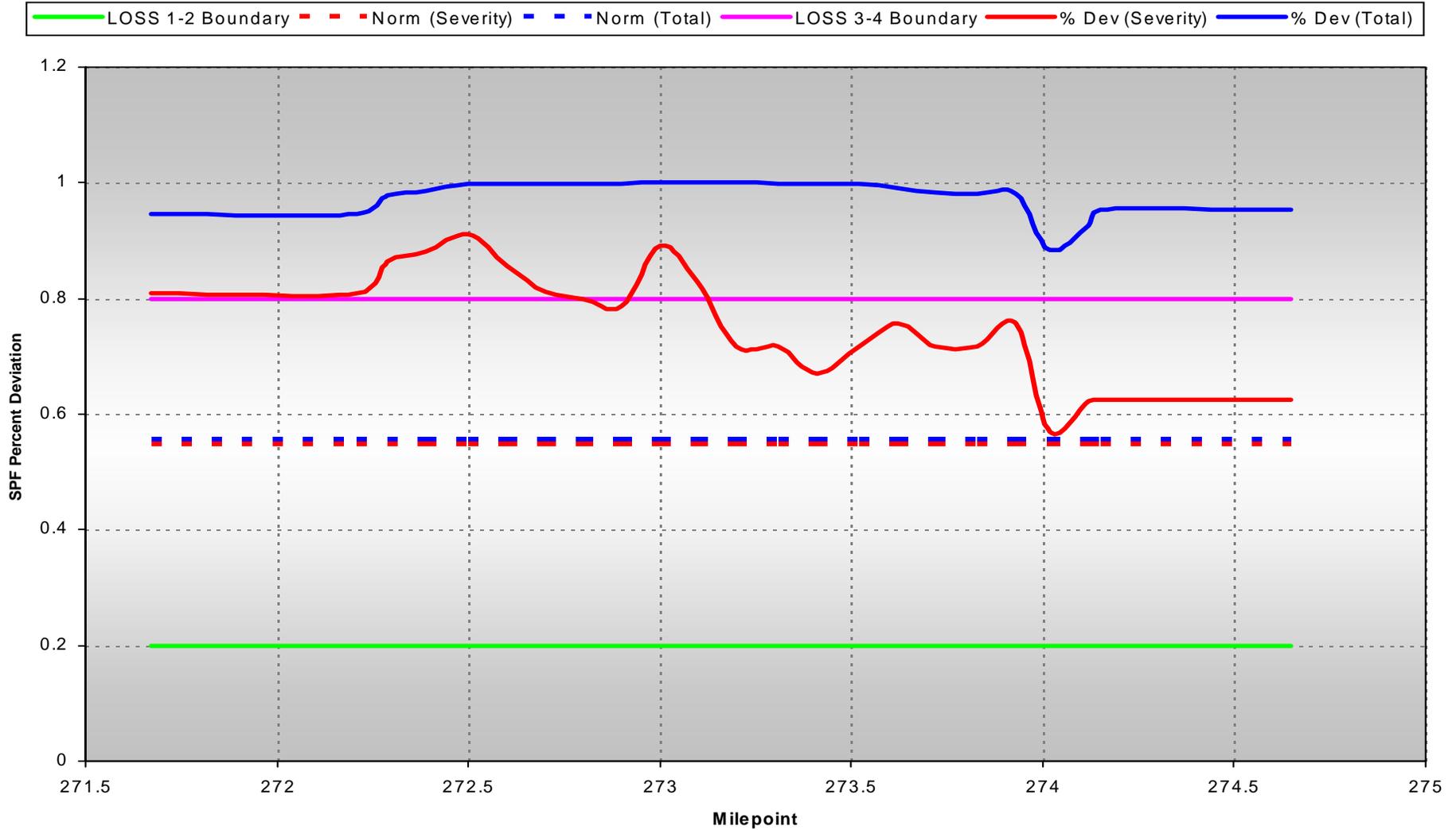




Location: SH6G

(2016)

Begin: 271.67 End: 274.65 From: 01/01/2010 To: 12/31/2014





Location: 0093A

Begin: 0.00

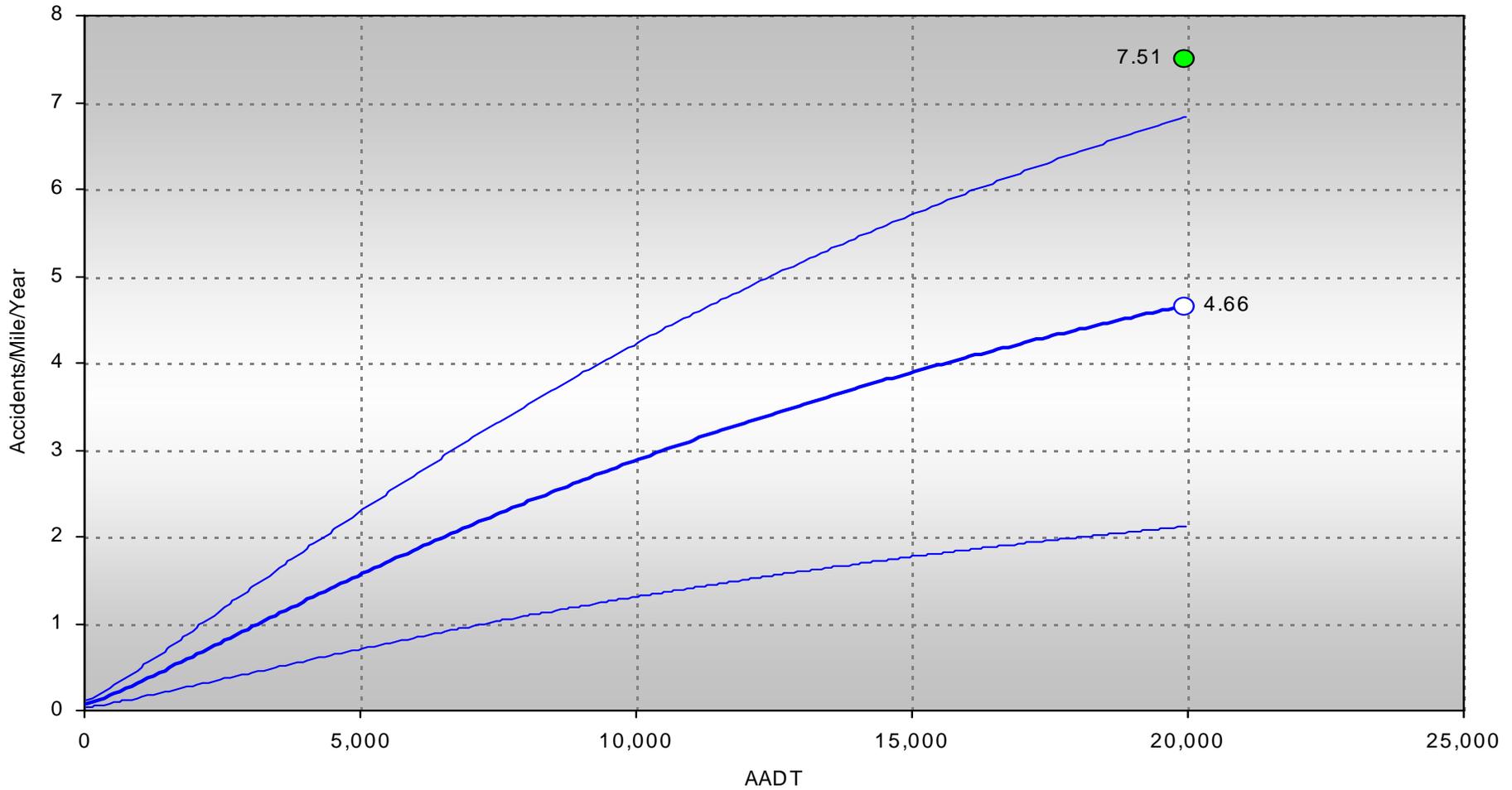
End: 7.57

From: 01/01/2010

To: 12/31/2014

SH 93A - US 6 to SH 72 - non-intersection crashes

— Lower Limit (20%) — Total — Upper Limit (80%) ● Observed (EB) ○ Expected





Colorado Department of Transportation
DiExSys™ Roadway Safety Systems
SPF Model: Colorado - Rural Flat and Rolling 2-Lane UnDivided Highways (2016)

05/12/2016

Job #: 20160512141017

Location: 0093A

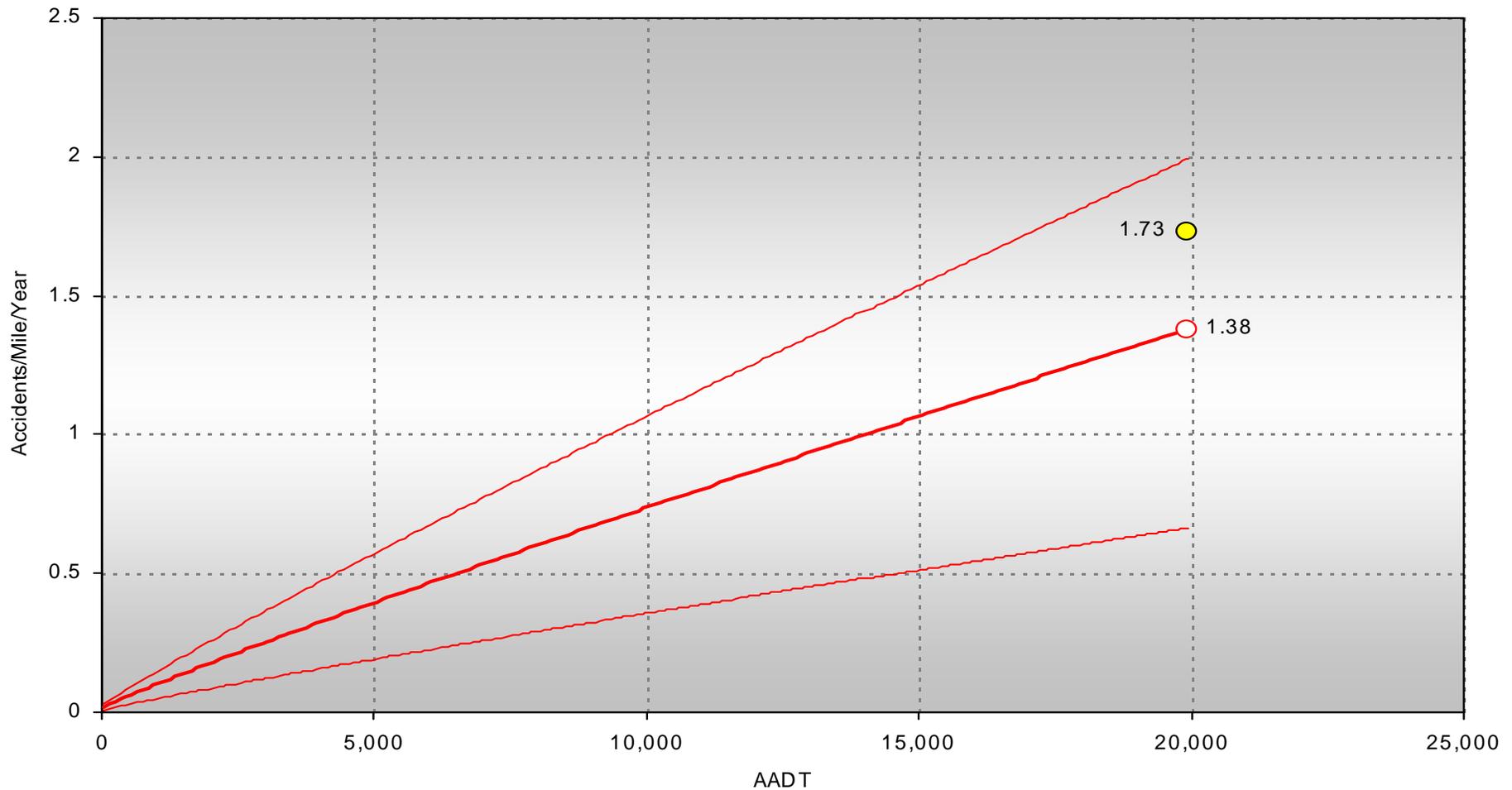
Begin: 0.00

End: 7.57

From: 01/01/2010 To: 12/31/2014

SH 93A - US 6 to SH 72 - non-intersection crashes

Lower Limit (20%) INJ + FAT Upper Limit (80%) Observed (EB) Expected





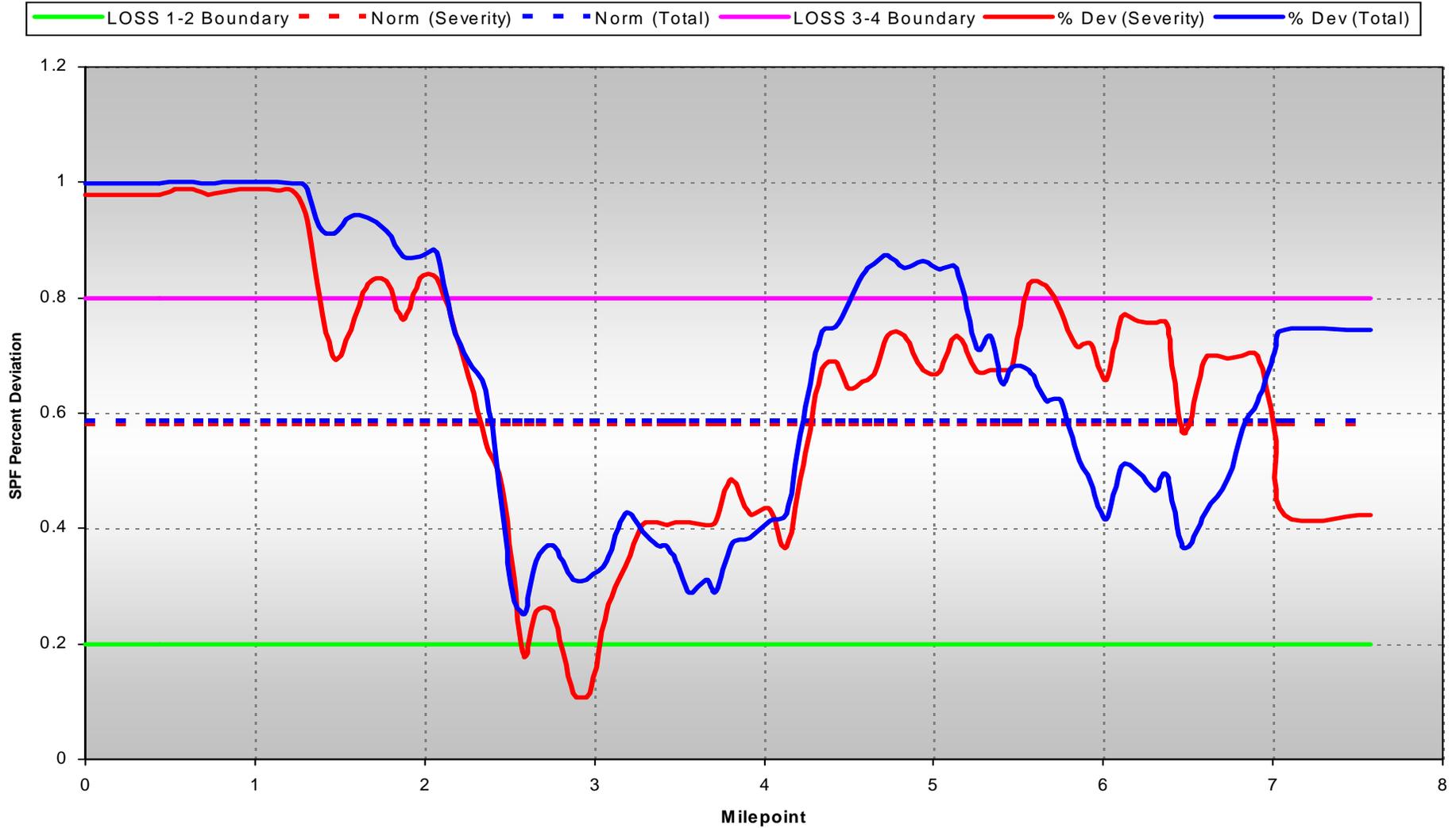
Location: SH93A

(2016)

Begin: 0.00

End: 7.57

From: 01/01/2010 To: 12/31/2014





Location: 0093A

Begin: 7.57

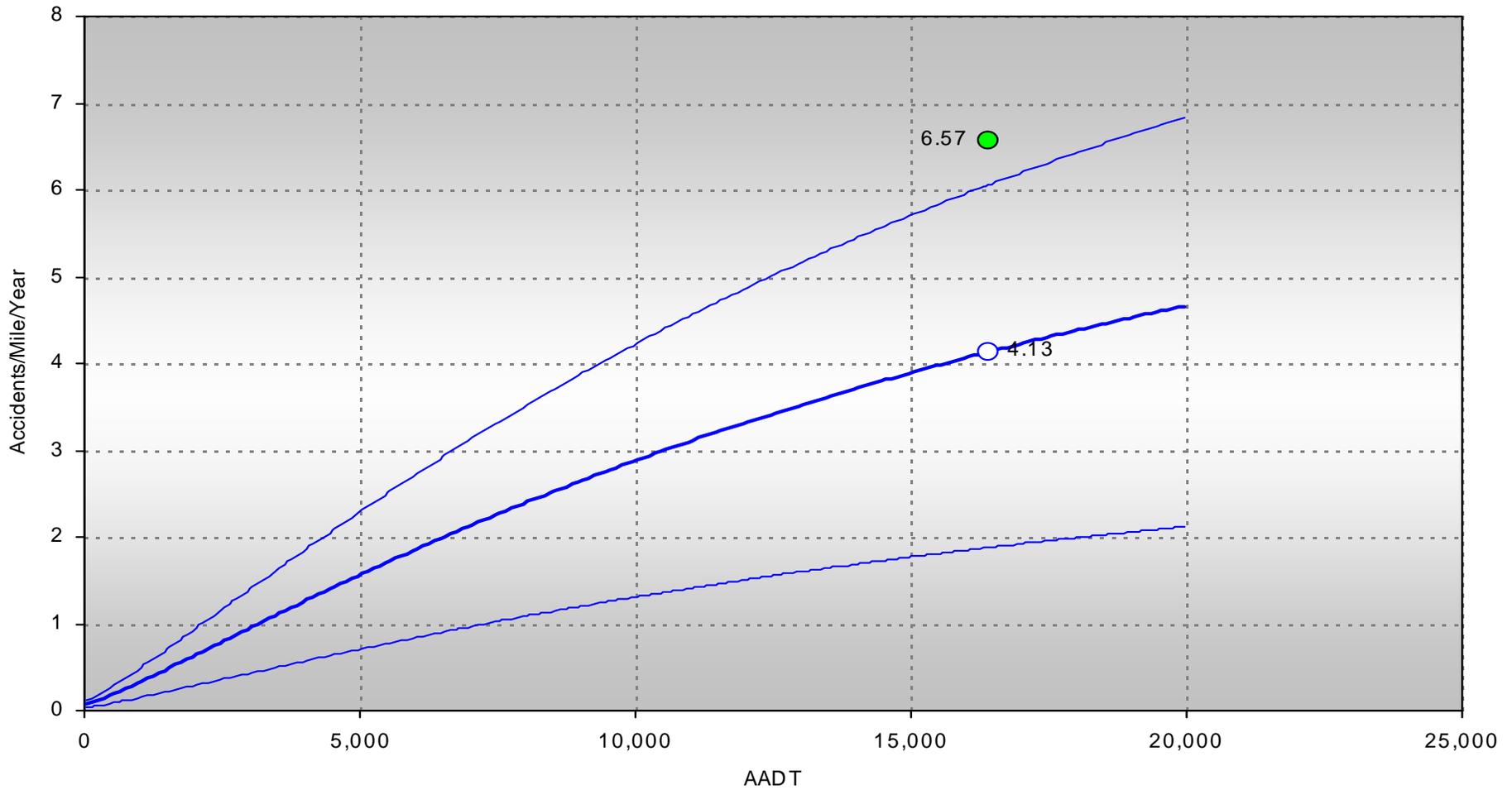
End: 11.78

From: 01/01/2010

To: 12/31/2014

SH 93A - SH 72 to SH 128 - non-intersection crashes

— Lower Limit (20%) — Total — Upper Limit (80%) ● Observed (EB) ○ Expected





Colorado Department of Transportation
DiExSys™ Roadway Safety Systems
SPF Model: Colorado - Rural Flat and Rolling 2-Lane UnDivided Highways (2016)

05/12/2016

Job #: 20160512142859

Location: 0093A

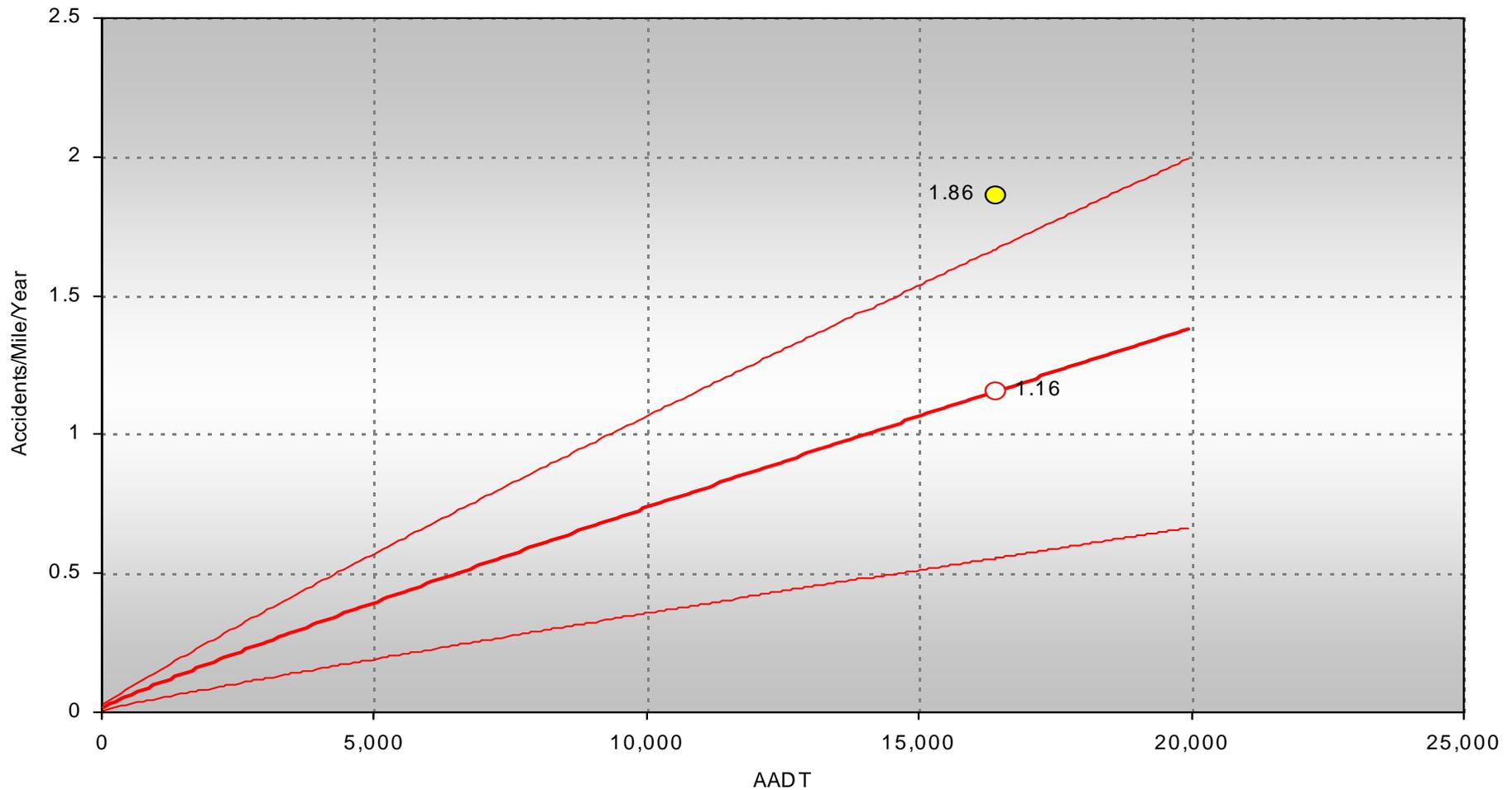
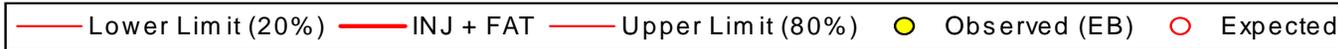
Begin: 7.57

End: 11.78

From: 01/01/2010

To: 12/31/2014

SH 93A - SH 72 to SH 128 - non-intersection crashes





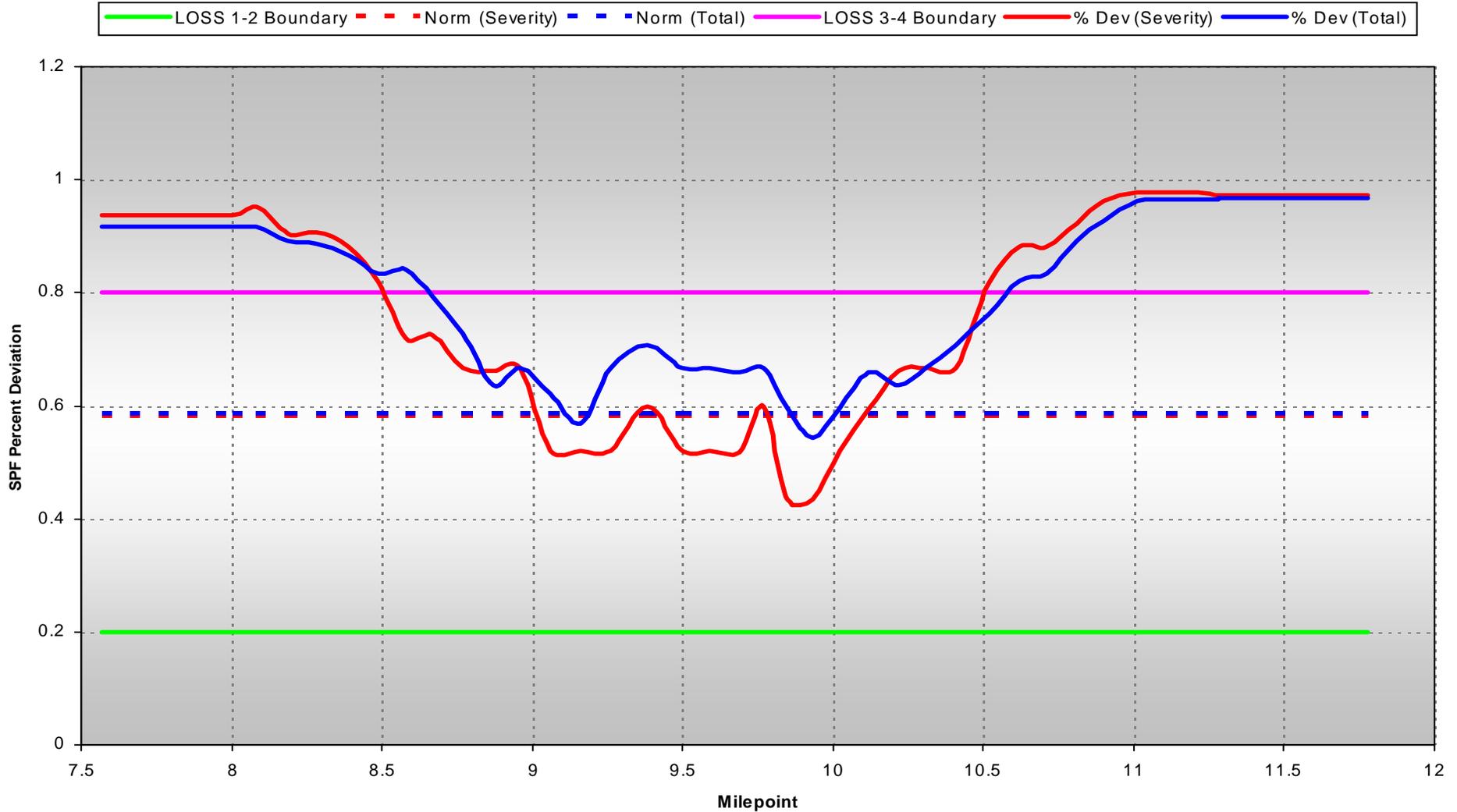
Location: SH93A

(2016)

Begin: 7.57

End: 11.78

From: 01/01/2010 To: 12/31/2014





Colorado Department of Transportation
DiExSys™ Roadway Safety Systems
SPF Model: Colorado - Rural Flat and Rolling 2-Lane UnDivided Highways (2016)

05/17/2016

Job #: 20160517105132

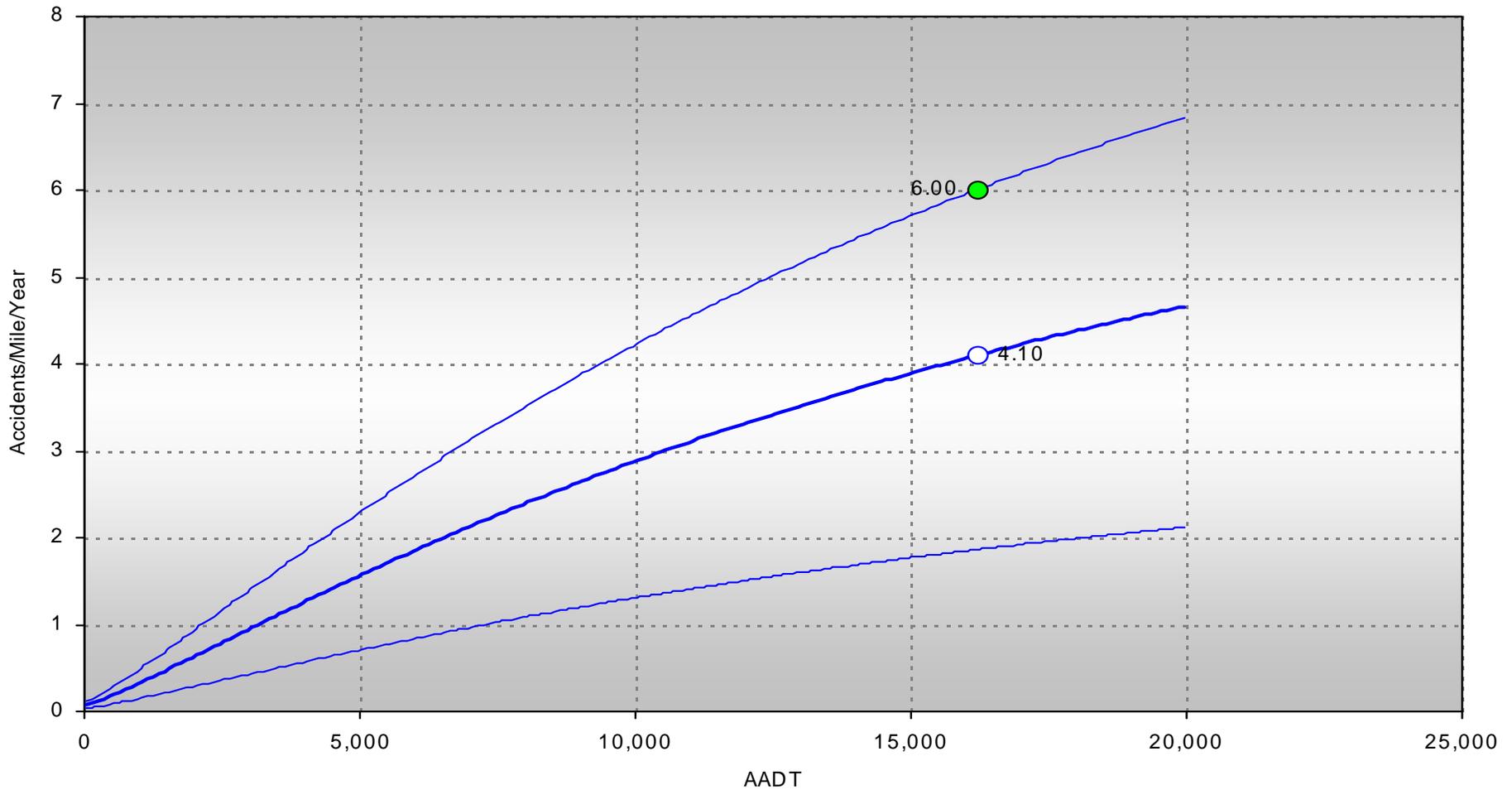
Location: 0093A

Begin: 11.78

End: 13.63

From: 01/01/2010 To: 12/31/2014

— Lower Limit (20%) — Total — Upper Limit (80%) ● Observed (EB) ○ Expected





Colorado Department of Transportation
DiExSys™ Roadway Safety Systems
SPF Model: Colorado - Rural Flat and Rolling 2-Lane UnDivided Highways (2016)

05/17/2016

Job #: 20160517105217

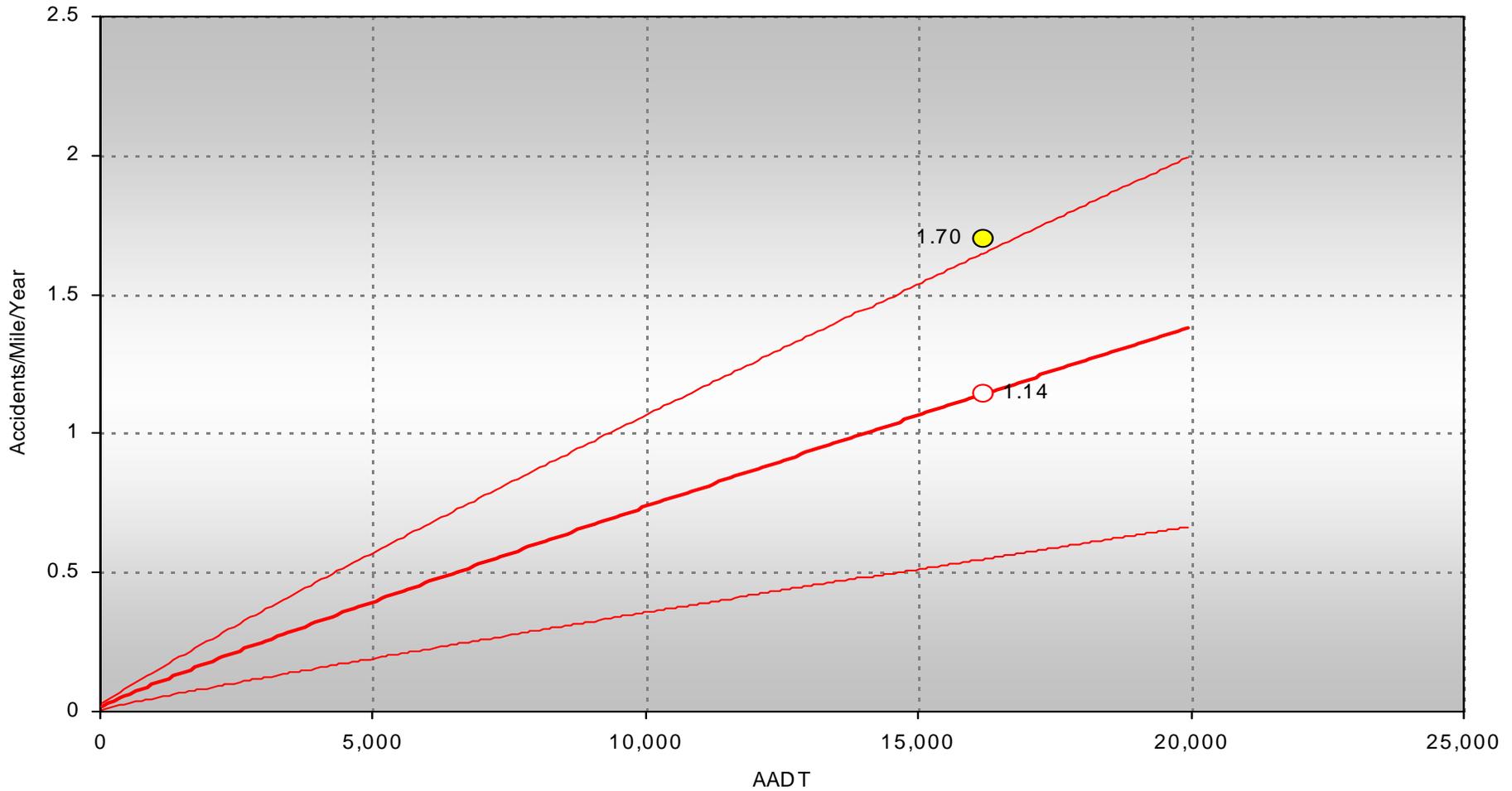
Location: 0093A

Begin: 11.78

End: 13.63

From: 01/01/2010 To: 12/31/2014

— Lower Limit (20%) — INJ + FAT — Upper Limit (80%) ● Observed (EB) ○ Expected





Colorado Department of Transportation
DiExSys™ Roadway Safety Systems

05/12/2016

SPF/LOSS Index Graph Using: Colorado - Rural Flat and Rolling 2-Lane UnDivided Highways Job #: 20160512150345

Location: SH93A

(2016)

Begin: 11.79

End: 13.63

From: 01/01/2010

To: 12/31/2014

