

Barbers Hill ISD Traffic Study

The following school study highlights the need for east-west connections with the anticipated reconstruction of the interchange of IH 10 at Eagle Drive. With approximately half of the students within the school district residing south of IH 10, school traffic will need to find an alternate route to school. The two most viable alternatives to Eagle Drive are SH 146 to the west and FM 565 to the east.



Technical Memorandum

To: City of Mont Belvieu

From: Courtney Carr, P.E.

Date: October 29, 2018

Subject: Eagle Drive/FM 3180, SH 146, FM 565 Traffic Study, Mont Belvieu, TX

The City of Mont Belvieu requested a traffic study for the intersections of IH-10 Frontage Roads at SH 146, Eagle Drive/FM 3180 and FM 565. Turning movement counts were taken at all the intersections on October 9th, 2018 for three time periods. The three time periods were the AM Peak Hour (6:30 to 9:00 AM), School Dismissal (2:00 to 4:30 PM), and PM Peak Hour (5:30 to 7:30 PM).

Eagle Drive/FM 3180 is proposed to be renovated in the coming years and will be closed during construction. The City requested that the three roadways be analyzed for two conditions: the existing condition and the construction condition with Eagle Drive closed. The existing Eagle Drive traffic volumes were redistributed to SH 146 and FM 565, based on a general 50% split between the two roadways and the more direct path for vehicles.

Synchro was utilized to analyze the conditions to find delay, level of service, and 95th percentile queue. The results are shown in the table below. The closure of Eagle Drive will greatly increase the delay and queues at SH 146 and FM 565 intersections.



Intersection	Condition	Result	AM Peak Hour												
			Intersection	EB			WB			NB			SB		
				Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Eagle Drive/FM 3180 at Westbound IH-10 Frontage Road	Existing	LOS/Delay	A/9.8	D/40.5	-	A/0.2	D/37.6	C/33.8	B/14.6	A/6.0	B/11.7	A/3.4	B/13.2	B/13.3	A/3.0
		95th % Queue	-	22	-	0	32	11	73	56	544	39	12	244	59
Eagle Drive/FM 3180 at Eastbound IH-10 Frontage Road	Existing	LOS/Delay	C/19.5	-	F/920.3	B/11.1	-	E/36.9	F/64.8	A/0	-	-	A/9.8	-	-
		95th % Queue	-	-	52.5	15	-	0	252.5	0	-	-	5	-	-
SH 146 at Westbound Frontage Road	Existing	LOS/Delay	C/34.4	-	-	-	E/73.8	E/65.9	C/27.3	D/49.8	A/5.2	-	-	E/68.4	B/18.5
		95th % Queue	-	-	-	-	247	150	150	478	344	-	-	289	219
	Construction	LOS/Delay	F/106.3	-	-	-	E/74.5	E/66.3	C/28.4	D/50.3	A/6.4	-	-	F/85.8	F/311.3
		95th % Queue	-	-	-	-	247	150	154	423	500	-	-	388	1593
SH 146 at Eastbound Frontage Road	Existing	LOS/Delay	D/39.6	F/236.3	F/104.0	B/17.0	-	-	-	-	C/23.5	A/2.7	C/26.2	A/5.0	-
		95th % Queue	-	581	299	105	-	-	-	-	272	49	51	7	-
	Construction	LOS/Delay	E/73.3	F/448.9	F/165.3	E/71.8	-	-	-	-	C/26.7	A/3.4	C/20.6	B/10.6	-
		95th % Queue	-	852	433	383	-	-	-	-	413	59	35m	5	-
FM 565 at Westbound Frontage Road	Existing	LOS/Delay	B/12.8	-	-	-	B/10.3	A/9.3	-	-	C/15.3	-	-	A/9.8	-
		95th % Queue	-	-	-	-	7.5	7.5	-	-	110	-	-	37.5	-
	Construction	LOS/Delay	F/214.3	-	-	-	C/16	D/34.4	-	-	F/351.6	-	-	F/176.2	-
		95th % Queue	-	-	-	-	30	167.5	-	-	1277.5	-	-	697.5	-
FM 565 at Eastbound Frontage Road	Existing	LOS/Delay	B/12.5	C/15.4	A/8.5	-	-	-	-	-	B/11.3	-	-	A/10	-
		95th % Queue	-	77.5	7.5	-	-	-	-	-	45	-	-	20	-
	Construction	LOS/Delay	F/114.9	F/93.4	B/12.3	-	-	-	-	-	F/189.4	-	-	E/42.1	-
		95th % Queue	-	375	20	-	-	-	-	-	765	-	-	217.5	-
Intersection	Condition	Result	School Dismissal Peak Hour												
			Intersection	EB			WB			NB			SB		
				Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Eagle Drive/FM 3180 at Westbound IH-10 Frontage Road	Existing	LOS/Delay	B/11.1	D/42.9	-	A/0.9	D/40.3	-	A/1.4	A/8.6	A/8.8	A/2.5	B/15.5	C/25.6	A/3.8
		95th % Queue	-	59	-	0	17	-	0	87	306	34	8	506	63
Eagle Drive/FM 3180 at Eastbound IH-10 Frontage Road	Existing	LOS/Delay	C/24.4	-	-	C/21.2	-	F/118.2	F/98.3	A/0	-	-	A/9.5	-	-
		95th % Queue	-	-	-	92.5	-	7.5	447.5	0	-	-	17.5	-	-
SH 146 at Westbound Frontage Road	Existing	LOS/Delay	C/33.4	-	-	-	E/74.6	E/65.4	A/8.8	D/49.4	A/6.2	-	-	E/71.3	B/11.2
		95th % Queue	-	-	-	-	262	153	48	384	361	-	-	339	124
	Construction	LOS/Delay	F/137.3	-	-	-	E/74.6	E/65.4	A/8.8	E/56.3	A/7.6	-	-	F/129.8	F/378.2
		95th % Queue	-	-	-	-	262	153	48	340	449	-	-	564	1876
SH 146 at Eastbound Frontage Road	Existing	LOS/Delay	E/58.7	F/276.3	F/167.4	E/75.7	-	-	-	-	C/24.2	A/7.0	C/27.9	A/4.3	-
		95th % Queue	-	636	439	452	-	-	-	-	291	124	151	2	-
	Construction	LOS/Delay	F/161.7	F/629.3	F/326.3	F/407.9	-	-	-	-	C/26.5	A/7.0	C/20.3	C/25.0	-
		95th % Queue	-	1059	643	1081	-	-	-	-	397	124	50	538	-
FM 565 at Westbound Frontage Road	Existing	LOS/Delay	B/11.3	-	-	-	A/9.9	A/9.2	-	-	B/12.9	-	-	A/8.9	-
		95th % Queue	-	-	-	-	10	12.5	-	-	80	-	-	20	-
	Construction	LOS/Delay	F/151.2	-	-	-	C/20.5	C/18.5	-	-	F/208.8	-	-	F/175.1	-
		95th % Queue	-	-	-	-	67.5	67.5	-	-	835	-	-	745	-
FM 565 at Eastbound Frontage Road	Existing	LOS/Delay	B/12.7	C/16	A/8.3	-	-	-	-	-	A/9.8	-	-	B/10.1	-
		95th % Queue	-	87.5	5	-	-	-	-	-	25	-	-	22.5	-
	Construction	LOS/Delay	F/146.7	F/222.8	C/15.2	-	-	-	-	-	F/72.4	-	-	F/174	-
		95th % Queue	-	725	47.5	-	-	-	-	-	327.5	-	-	645	-
Intersection	Condition	Result	PM Peak Hour												
			Intersection	EB			WB			NB			SB		
				Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Eagle Drive/FM 3180 at Westbound IH-10 Frontage Road	Existing	LOS/Delay	B/15.5	D/44.1	C/34	B/13	D/37.8	D/36.1	B/15	A/8.5	B/19.6	A/3.2	B/17.7	B/18.8	A/3.4
		95th % Queue	-	79	5	54	24	20	63	81	795	29	20	319	60
Eagle Drive/FM 3180 at Eastbound IH-10 Frontage Road	Existing	LOS/Delay	D/33.1	-	-	C/21.4	-	F/58.9	F/133.5	A/0	-	-	A/9.2	-	-
		95th % Queue	-	-	-	117.5	-	2.5	542.5	0	-	-	10	-	-
SH 146 at Westbound Frontage Road	Existing	LOS/Delay	D/35.3	-	-	-	E/74.9	E/64.7	B/18.0	E/55.5	A/7.1	-	-	E/72.8	B/10.2
		95th % Queue	-	-	-	-	284	164	101	420	434	-	-	356	102
	Construction	LOS/Delay	F/83.2	-	-	-	E/74.9	E/64.7	B/18.0	E/65.4	B/17.1	-	-	F/133.2	F/201.0
		95th % Queue	-	-	-	-	284	164	101	329	511	-	-	519	1189
SH 146 at Eastbound Frontage Road	Existing	LOS/Delay	F/93	F/432.2	F/259.7	F/113.3	-	-	-	-	C/25.5	A/5.7	C/29.5	A/4.2	-
		95th % Queue	-	831	562	559	-	-	-	-	348	95	167	0	-
	Construction	LOS/Delay	F/234.7	F/909.6	F/484.9	F/483.8	-	-	-	-	C/28.1	A/5.7	C/23.9	B/11.5	-
		95th % Queue	-	1369	825	1237	-	-	-	-	468	95	73	531	-
FM 565 at Westbound Frontage Road	Existing	LOS/Delay	D/25.5	-	-	-	B/11.3	B/10.4	-	-	D/34.2	-	-	A/9.8	-
		95th % Queue	-	-	-	-	15	20	-	-	285	-	-	22.5	-
	Construction	LOS/Delay	F/307.5	-	-	-	D/25.6	E/41.4	-	-	F/576.4	-	-	F/104	-
		95th % Queue	-	-	-	-	87.5	192.5	-	-	2052.5	-	-	420	-
FM 565 at Eastbound Frontage Road	Existing	LOS/Delay	C/20.5	D/28.3	A/9.6	-	-	-	-	-	C/18.8	-	-	B/12.1	-
		95th % Queue	-	172.5	12.5	-	-	-	-	-	122.5	-	-	32.5	-
	Construction	LOS/Delay	F/200	F/290.5	C/20.1	-	-	-	-	-	F/254.5	-	-	F/102.8	-
		95th % Queue	-	880	85	-	-	-	-	-	897.5	-	-	402.5	-

Eagle Drive at EBFR

Leg Direction Start Time	Eagle Dr Southbound				EBFR I-10 Westbound				Eagle Dr Northbound				EBFR I-10 Eastbound				Int Total	1649 1614 1611 1664 1630 1535 1374 1207 1249 1352 1466 1676 1737 1767 1870 1973 2128 2344 2427 2288 2168 1978 1862 1776 1744	6:30-9:20-4:53-7:30 7:15-8:13-30-4:53-6:15 1664 2128 2168										
	Right	Thru	Left	U-Turn	App Tot	Peds	CV	Peds	CC	Right	Thru	Left	U-Turn	App Tot	Peds	CV				Peds	CC	Right	Thru	Left	U-Turn	App Tot	Peds	CV	Peds
2018-10-09 06:30:00	17	42	0	0	59	0	0	0	82	0	0	0	0	82	0	0	0	11	229	0	0	34	0	1	0	35	0	0	416
2018-10-09 06:45:00	18	72	11	0	101	0	0	0	98	0	0	0	0	98	0	0	0	7	215	0	0	26	0	3	0	29	0	0	450
2018-10-09 07:00:00	17	93	22	0	132	0	0	0	87	0	1	0	0	88	0	0	0	8	163	0	0	30	0	4	0	34	0	0	425
2018-10-09 07:15:00	7	101	24	0	132	0	0	0	59	0	0	0	0	59	0	0	0	7	139	0	0	19	0	2	0	21	0	0	358
2018-10-09 07:30:00	4	58	14	0	76	0	0	0	68	0	0	0	0	68	0	0	0	12	192	0	0	32	0	1	0	33	0	0	381
2018-10-09 07:45:00	16	81	19	0	116	0	0	0	88	0	0	0	0	88	0	0	0	7	215	0	0	21	0	0	0	21	0	0	447
2018-10-09 08:00:00	18	108	14	0	140	0	0	0	59	0	0	0	0	59	0	0	0	8	237	0	0	31	0	3	0	34	0	0	478
2018-10-09 08:15:00	2	86	33	0	121	0	0	0	58	0	0	0	0	58	0	0	0	4	103	0	0	38	0	0	0	38	0	0	324
2018-10-09 08:30:00	2	53	25	0	80	0	0	0	61	0	0	0	0	61	0	0	0	4	107	0	0	33	0	1	0	34	0	0	286
2018-10-09 08:45:00	5	49	16	0	70	0	0	0	72	0	1	0	0	73	0	0	0	12	96	0	0	35	0	0	0	35	0	0	286
2018-10-09 14:00:00	7	64	15	0	86	0	0	0	82	0	1	0	0	83	0	0	0	6	84	0	0	46	0	6	0	52	0	0	311
2018-10-09 14:15:00	5	55	18	0	78	0	0	0	107	0	2	0	0	109	0	0	0	8	113	0	0	50	0	8	0	58	0	0	366
2018-10-09 14:30:00	2	47	23	0	72	0	0	0	111	0	2	0	0	113	0	0	0	8	142	0	0	48	1	5	0	54	0	0	389
2018-10-09 14:45:00	6	82	26	0	114	0	0	0	97	0	2	0	0	99	0	0	0	11	121	0	0	53	0	2	0	55	0	0	400
2018-10-09 15:00:00	9	179	43	0	231	0	0	0	102	0	1	0	0	103	0	0	0	9	114	0	0	63	0	1	0	64	0	0	521
2018-10-09 15:15:00	3	85	30	0	118	0	0	0	111	0	0	1	0	112	0	0	0	12	130	0	0	50	0	5	0	55	0	0	427
2018-10-09 15:30:00	6	68	26	0	100	0	0	0	118	0	0	0	0	118	0	0	0	3	134	0	0	54	0	10	0	64	0	0	419
2018-10-09 15:45:00	7	128	31	0	166	0	0	0	128	0	1	0	0	129	0	0	0	13	129	0	0	65	0	1	0	66	0	0	503
2018-10-09 16:00:00	12	192	64	0	268	0	0	0	136	0	1	0	0	137	0	0	0	11	136	0	0	69	0	3	0	72	0	0	624
2018-10-09 16:15:00	9	143	42	0	194	0	0	0	127	0	1	0	0	128	0	0	0	18	150	0	0	88	0	4	0	92	0	0	582
2018-10-09 17:30:00	12	151	17	0	180	0	0	0	142	0	0	0	0	142	0	0	0	10	178	0	0	95	0	30	0	125	0	0	635
2018-10-09 17:45:00	13	132	25	0	170	0	0	0	144	0	0	0	0	144	0	0	0	10	160	0	0	87	0	15	0	102	0	0	586
2018-10-09 18:00:00	10	75	31	0	116	0	0	0	120	1	1	0	0	122	0	0	0	10	124	0	0	88	0	25	0	113	0	0	485
2018-10-09 18:15:00	11	71	19	0	101	0	0	0	124	0	0	0	0	124	0	0	0	14	118	0	0	85	0	20	0	105	0	0	462
2018-10-09 18:30:00	12	74	17	0	103	0	0	0	114	0	1	0	0	115	0	0	0	18	128	0	0	74	0	7	0	81	0	0	445
2018-10-09 18:45:00	7	78	9	0	94	0	0	0	107	0	1	0	0	108	0	0	0	10	159	0	0	94	0	5	0	99	0	0	470
2018-10-09 19:00:00	6	90	19	0	115	0	0	0	79	0	1	0	0	80	0	0	0	8	107	0	0	84	0	5	0	89	0	0	399
2018-10-09 19:15:00	4	111	28	0	143	0	0	0	97	0	0	0	0	97	0	0	0	1	96	0	0	90	0	3	0	93	0	0	430
Grand Total	247	2568	661	0	3476	0	0	0	2778	1	17	1	0	2797	0	0	0	260	4019	0	0	1582	1	170	0	1753	0	0	12305
% Approach	7.1%	73.9%	19.0%	0.0%					99.3%	0.0%	0.6%	0.0%					6.1%	93.9%	0.0%	0.0%	90.2%	0.1%	9.7%	0.0%					
% Total	2.0%	20.9%	5.4%	0.0%	28.2%				22.6%	0.0%	0.1%	0.0%		22.7%			2.1%	32.7%	0.0%	0.0%	12.9%	0.0%	1.4%	0.0%	14.2%				
Lights	224	2466	649	0	3339				2665	1	16	1		2683			244	3861	0	0	1496	1	167	0	1664			11791	
% Lights	90.7%	96.0%	98.2%	0.0%	96.1%				95.9%	100.0%	94.1%	100.0%		95.9%			93.8%	96.1%	0.0%	0.0%	94.6%	100.0%	98.2%	0.0%	94.9%			95.8%	
Articulated Trucks	5	25	2	0	32				16	0	0	0		16			12	42	0	0	46	0	0	0	46			148	
% Articulated Trucks	2.0%	1.0%	0.3%	0.0%	0.9%				0.6%	0.0%	0.0%	0.0%		0.6%			4.6%	1.0%	0.0%	0.0%	2.9%	0.0%	0.0%	0.0%	2.6%			1.2%	
Buses and Single-Unit Truc	18	77	10	0	105				97	0	1	0		98			4	116	0	0	40	0	3	0	43			366	
% Buses and Single-Unit Tr	7.3%	3.0%	1.5%	0.0%	3.0%				3.5%	0.0%	5.9%	0.0%		3.5%			1.5%	2.9%	0.0%	0.0%	2.5%	0.0%	1.8%	0.0%	2.5%			3.0%	
Pedestrians						0	0								0	0										0	0		
% Pedestrians						0.0%	0.0%								0.0%	0.0%										0.0%	0.0%		

Eagle Drive at WBFR

Leg Direction Start Time	Eagle Dr Southbound				WBFR I-10 Westbound				Eagle Dr Northbound				WBFR I-10 Eastbound				Int Total																				
	Right	Thru	Left	U-Turn	App Tot	Peds	CV	Peds	CV	Right	Thru	Left	U-Turn	App Tot	Peds	CV		Peds	CV	Right	Thru	Left	U-Turn	App Tot	Peds	CV	Peds	CV									
2018-10-09 06:30:00	120	43	1	0	164	0	0	0	70	2	11	0	0	83	0	0	0	36	228	31	0	295	0	0	0	12	0	4	0	16	0	0	558	2330			
2018-10-09 06:45:00	124	88	2	0	214	0	0	0	92	0	4	0	0	96	0	0	0	29	257	21	0	307	0	0	0	11	0	2	0	13	0	0	630	2268			
2018-10-09 07:00:00	132	110	2	0	244	0	0	0	98	1	4	0	0	103	0	0	0	33	213	23	0	269	0	0	0	14	0	2	0	16	0	0	632	2273			
2018-10-09 07:15:00	131	123	3	0	257	0	0	0	41	1	1	0	0	43	0	0	0	30	120	48	0	198	0	0	0	10	0	2	0	12	0	0	510	2318			
2018-10-09 07:30:00	98	55	2	0	155	0	0	0	54	0	1	0	0	55	0	0	0	39	174	51	0	264	0	0	0	20	0	2	0	22	0	0	496	2262			
2018-10-09 07:45:00	139	112	2	0	253	0	0	0	70	0	1	0	0	71	0	0	0	29	227	37	0	293	0	0	0	15	0	3	0	18	0	0	635	2144			
2018-10-09 08:00:00	151	135	2	0	288	0	0	0	69	0	1	0	0	70	0	0	0	32	249	23	0	304	0	0	0	11	1	3	0	15	0	0	677	1848			
2018-10-09 08:15:00	142	96	3	0	241	0	0	0	23	0	1	0	0	24	0	0	0	32	99	37	0	168	0	0	0	20	0	1	0	21	0	0	454	1541			
2018-10-09 08:30:00	111	55	3	0	169	0	0	0	13	1	0	0	0	14	0	0	0	35	83	53	0	171	0	0	0	20	1	3	0	24	0	0	378	1501			
2018-10-09 08:45:00	82	51	1	0	134	0	0	0	18	0	0	0	0	18	0	0	0	37	78	48	0	163	0	0	0	20	0	4	0	24	0	0	339	1551			
2018-10-09 14:00:00	85	66	0	0	151	0	0	0	15	1	2	0	0	18	0	0	0	18	113	41	0	172	0	0	0	20	0	9	0	29	0	0	370	1695			
2018-10-09 14:15:00	76	54	0	0	130	0	0	0	22	0	2	0	0	24	0	0	0	23	154	48	0	225	0	0	0	22	0	13	0	35	0	0	414	1954			
2018-10-09 14:30:00	67	43	2	0	112	0	0	0	20	3	3	0	0	26	0	0	0	29	182	44	0	255	0	0	0	26	0	9	0	35	0	0	428	2039			
2018-10-09 14:45:00	91	96	1	0	188	0	0	0	30	0	1	0	0	31	0	0	0	24	149	51	0	224	0	0	0	25	0	15	0	40	0	0	483	2144			
2018-10-09 15:00:00	137	206	3	0	346	0	0	0	22	1	1	0	0	24	0	0	0	26	160	35	0	221	0	0	0	24	0	14	0	38	0	0	629	2241			
2018-10-09 15:15:00	98	76	3	0	177	0	0	0	30	0	2	0	0	32	0	0	0	25	165	59	0	249	0	0	0	30	0	11	0	41	0	0	499	2335			
2018-10-09 15:30:00	127	67	3	0	197	0	0	0	26	0	1	0	0	27	0	0	0	34	169	57	0	260	0	0	0	36	0	13	0	49	0	0	533	2458			
2018-10-09 15:45:00	109	135	0	0	244	0	0	0	37	0	2	0	0	39	0	0	0	42	163	59	0	264	0	0	0	27	0	6	0	33	0	0	580	2631			
2018-10-09 16:00:00	165	228	1	0	394	0	0	0	20	0	1	0	0	21	0	0	0	42	168	57	0	267	0	0	0	31	0	10	0	41	0	0	723	2749			
2018-10-09 16:15:00	125	142	0	0	267	0	0	0	22	0	2	0	0	24	0	0	0	49	163	60	0	272	0	0	0	44	0	15	0	59	0	0	622	2560			
2018-10-09 17:30:00	121	133	1	0	255	0	0	0	57	1	3	0	0	61	0	0	0	29	248	60	0	337	0	0	0	40	1	12	0	53	0	0	706	2451			
2018-10-09 17:45:00	106	128	3	0	237	0	0	0	59	3	3	0	0	65	0	0	0	33	263	36	0	332	0	0	0	43	0	21	0	64	0	0	698	2251			
2018-10-09 18:00:00	83	96	3	0	182	0	0	0	54	2	3	0	0	59	0	0	0	19	187	42	0	248	0	0	0	26	0	19	0	45	0	0	534	2072			
2018-10-09 18:15:00	91	61	6	0	158	0	0	0	36	3	4	0	0	43	0	0	0	14	217	30	0	261	0	0	0	36	0	15	0	51	0	0	513	1955			
2018-10-09 18:30:00	89	77	1	0	167	0	0	0	40	0	0	0	0	40	0	0	0	22	179	49	0	250	0	0	0	34	0	15	0	49	0	0	506	1875			
2018-10-09 18:45:00	67	69	1	0	137	0	0	0	24	3	4	0	0	31	0	0	0	39	191	68	0	298	0	0	0	30	0	23	0	53	0	0	519				
2018-10-09 19:00:00	72	83	3	0	158	0	0	0	17	0	3	0	0	20	0	0	0	26	115	55	0	196	0	0	0	27	0	16	0	43	0	0	417				
2018-10-09 19:15:00	66	102	4	0	172	0	0	0	13	0	1	0	0	14	0	0	0	15	136	38	0	189	0	0	0	46	0	12	0	58	0	0	433				
Grand Total	3005	2730	56	0	5791	0	0	0	1092	22	62	0	0	1176	0	0	0	841	4850	1261	0	6952	0	0	0	720	3	274	0	997	0	0	14916				
% Approach	51.9%	47.1%	1.0%	0.0%					92.9%	1.9%	5.3%	0.0%						12.1%	69.8%	18.1%	0.0%				72.2%	0.3%	27.5%	0.0%									
% Total	20.1%	18.3%	0.4%	0.0%	38.8%				7.3%	0.1%	0.4%	0.0%		7.9%				5.6%	32.5%	8.5%	0.0%	46.6%				4.8%	0.0%	1.8%	0.0%	6.7%							
Lights	2905	2621	55	0	5581				1066	22	58	0		1146				788	4663	1237	0	6688				698	3	274	0	975					14390		
% Lights	96.7%	96.0%	98.2%	0.0%	96.4%				97.6%	100.0%	93.5%	0.0%		97.4%				93.7%	96.1%	98.1%	0.0%	96.2%				96.9%	100.0%	100.0%	0.0%	97.8%					96.5%		
Articulated Trucks	6	8	0	0	14				2	0	4	0		6				22	14	14	0	50				18	0	0	0	18					88		
% Articulated Trucks	0.2%	0.3%	0.0%	0.0%	0.2%				0.2%	0.0%	6.5%	0.0%		0.5%				2.6%	0.3%	1.1%	0.0%	0.7%				2.5%	0.0%	0.0%	0.0%	1.8%					0.6%		
Buses and Single-Unit Truc	94	101	1	0	196				24	0	0	0		24				31	173	10	0	214				4	0	0	0	4					438		
% Buses and Single-Unit Tr	3.1%	3.7%	1.8%	0.0%	3.4%				2.2%	0.0%	0.0%	0.0%		2.0%				3.7%	3.6%	0.8%	0.0%	3.1%				0.6%	0.0%	0.0%	0.0%	0.4%					2.9%		
Pedestrians						0	0								0	0																					
% Pedestrians						0.0%	0.0%								0.0%	0.0%																					

6:30-9:2:00-4:5:30-7:30
 6:30-7:3:30-6:5:30-6:15
 2330 2458 2451

Leg Direction Start Time	FM 565 Southbound				WBFR I-10 Westbound				FM 565 Northbound				West Eastbound				Int Total										
	Right	Thru	Left	U-Turn	App	Tot	Peds C	Peds C	Right	Thru	Left	U-Turn	App	Tot	Peds C	Peds C		Right	Thru	Left	U-Turn	App	Tot	Peds C	Peds C		
2018-10-09 06:30:00	2	1	0	0	3	0	0	2	14	18	0	34	0	0	0	0	124	0	124	0	0	0	0	0	161	741	
2018-10-09 06:45:00	48	22	0	0	70	0	0	6	7	17	0	30	0	0	0	19	117	0	136	0	0	0	0	0	236	792	
2018-10-09 07:00:00	29	30	0	0	59	0	0	3	5	11	0	19	0	0	0	14	103	0	117	0	0	0	0	0	195	742	
2018-10-09 07:15:00	33	18	0	0	51	0	0	8	5	11	0	24	0	0	0	24	50	0	74	0	0	0	0	0	149	685	
2018-10-09 07:30:00	44	28	0	0	72	0	0	8	11	13	0	32	0	0	0	28	80	0	108	0	0	0	0	0	212	659	
2018-10-09 07:45:00	46	23	0	0	69	0	0	5	5	10	0	20	0	0	0	21	76	0	97	0	0	0	0	0	186	542	
2018-10-09 08:00:00	16	15	0	0	31	0	0	3	3	14	0	20	0	0	0	14	73	0	87	0	0	0	0	0	138	441	
2018-10-09 08:15:00	15	18	0	0	33	0	0	6	5	9	0	20	0	0	0	26	44	0	70	0	0	0	0	0	123	427	
2018-10-09 08:30:00	16	16	0	0	32	0	0	3	8	9	0	20	0	0	0	14	29	0	43	0	0	0	0	0	95	433	
2018-10-09 08:45:00	12	7	0	0	19	0	0	1	5	7	0	13	0	0	0	22	31	0	53	0	0	0	0	0	85	477	
2018-10-09 14:00:00	19	12	0	0	31	0	0	8	21	10	0	39	0	0	0	20	34	0	54	0	0	0	0	0	124	514	
2018-10-09 14:15:00	17	16	0	0	33	0	0	3	10	10	0	23	0	0	0	32	41	0	73	0	0	0	0	0	129	529	
2018-10-09 14:30:00	22	15	0	0	37	0	0	9	5	12	0	26	0	0	0	36	40	0	76	0	0	0	0	0	139	550	
2018-10-09 14:45:00	16	7	0	0	23	0	0	10	10	10	0	30	0	0	0	30	39	0	69	0	0	0	0	0	122	551	
2018-10-09 15:00:00	15	19	0	0	34	0	0	5	6	8	0	19	0	0	0	42	44	0	86	0	0	0	0	0	139	571	
2018-10-09 15:15:00	17	14	0	0	31	0	0	6	13	16	0	35	0	0	0	29	55	0	84	0	0	0	0	0	150	618	
2018-10-09 15:30:00	24	14	0	0	38	0	0	6	10	8	0	24	0	0	0	36	42	0	78	0	0	0	0	0	140	678	
2018-10-09 15:45:00	9	13	0	0	22	0	0	18	11	15	0	44	0	0	0	44	32	0	76	0	0	0	0	0	142	793	
2018-10-09 16:00:00	19	22	0	0	41	0	0	12	8	19	0	39	0	0	0	60	46	0	106	0	0	0	0	0	186	899	
2018-10-09 16:15:00	19	36	0	0	55	0	0	7	14	16	0	37	0	0	0	71	47	0	118	0	0	0	0	0	210	948	
2018-10-09 17:30:00	26	24	0	0	50	0	0	35	15	24	0	74	0	0	0	71	60	0	131	0	0	0	0	0	255	958	
2018-10-09 17:45:00	23	16	0	0	39	0	0	23	5	21	0	49	0	0	0	83	77	0	160	0	0	0	0	0	248	902	
2018-10-09 18:00:00	18	22	0	0	40	0	0	12	5	18	0	35	0	0	0	87	73	0	160	0	0	0	0	0	235	796	
2018-10-09 18:15:00	13	14	0	0	27	0	0	10	6	18	0	34	0	0	0	91	68	0	159	0	0	0	0	0	220	671	
2018-10-09 18:30:00	14	13	0	0	27	0	0	12	9	15	0	36	0	0	0	76	60	0	136	0	0	0	0	0	199	551	
2018-10-09 18:45:00	18	12	0	0	30	0	0	8	12	8	0	28	0	0	0	47	37	0	84	0	0	0	0	0	142		
2018-10-09 19:00:00	7	9	0	0	16	0	0	7	4	11	0	22	0	0	0	42	30	0	72	0	0	0	0	0	110		
2018-10-09 19:15:00	7	10	0	0	17	0	0	6	4	9	0	19	0	0	0	34	30	0	64	0	0	0	0	0	100		
Grand Total	564	466	0	0	1030	0	0	242	236	367	0	845	0	0	0	1113	1582	0	2695	0	0	0	0	0	4570		
% Approach	54.8%	45.2%	0.0%	0.0%				28.6%	27.9%	43.4%	0.0%				0.0%	41.3%	58.7%	0.0%		0.0%	0.0%	0.0%	0.0%	0.0%			
% Total	12.3%	10.2%	0.0%	0.0%	22.5%			5.3%	5.2%	8.0%	0.0%	18.5%			0.0%	24.4%	34.6%	0.0%	59.0%			0.0%	0.0%	0.0%	0.0%		
Lights	554	438	0	0	992			209	212	331	0	752			0	1085	1505	0	2590			0	0	0	4334		
% Lights	98.2%	94.0%	0.0%	0.0%	96.3%			86.4%	89.8%	90.2%	0.0%	89.0%			0.0%	97.5%	95.1%	0.0%	96.1%			0.0%	0.0%	0.0%	0.0%	94.8%	
Articulated Trucks	3	20	0	0	23			28	15	18	0	61			0	9	36	0	45			0	0	0	129		
% Articulated Trucks	0.5%	4.3%	0.0%	0.0%	2.2%			11.6%	6.4%	4.9%	0.0%	7.2%			0.0%	0.8%	2.3%	0.0%	1.7%			0.0%	0.0%	0.0%	0.0%	2.8%	
Buses and Single-Unit Trucks	7	8	0	0	15			5	9	18	0	32			0	19	41	0	60			0	0	0	107		
% Buses and Single-Unit Trucks	1.2%	1.7%	0.0%	0.0%	1.5%			2.1%	3.8%	4.9%	0.0%	3.8%			0.0%	1.7%	2.6%	0.0%	2.2%			0.0%	0.0%	0.0%	0.0%	2.3%	
Pedestrians						0	0						0	0						0	0				0	0	
% Pedestrians						0.0%	0.0%						0.0%	0.0%						0.0%	0.0%				0.0%	0.0%	

6:30-9:2:00-4: 5:30-7:
6:45-7: 4:30-5: 5:30-6:
792 678 958

Leg Direction Start Time	SH 146 Southbound				I-10 WBFR Westbound								SH 146 Northbound				I-10 WBFR Eastbound								Int Total	Total							
	Right	Thru	Left	U-Turn	App Tot	Peds	CV	Peds	CC	Right	Thru	Left	U-Turn	App Tot	Peds	CV	Peds	CC	Right	Thru	Left	U-Turn	App Tot	Peds			CV	Peds	CC				
2018-10-09 06:30:00	108	148	0	0	256	0	0	0	59	14	54	16	143	0	0	0	0	0	315	76	0	0	391	0	0	0	0	0	0	0	790	2972	
2018-10-09 06:45:00	112	148	0	0	260	0	0	0	50	12	80	23	165	0	0	0	0	0	250	98	0	0	348	0	0	0	0	0	0	0	773	2842	
2018-10-09 07:00:00	105	145	0	0	250	0	0	0	37	9	53	22	121	0	0	0	0	0	213	113	0	0	326	0	0	0	0	0	0	0	697	2739	
2018-10-09 07:15:00	142	127	0	0	269	0	0	0	36	12	79	18	145	0	0	0	0	0	174	124	0	0	298	0	0	0	0	0	0	0	712	2658	
2018-10-09 07:30:00	144	162	0	0	306	0	0	0	29	8	53	22	112	0	0	0	0	0	143	99	0	0	242	0	0	0	0	0	0	0	660	2506	
2018-10-09 07:45:00	112	157	0	0	269	0	0	0	35	12	52	7	106	0	0	0	0	0	179	116	0	0	295	0	0	0	0	0	0	0	670	2438	
2018-10-09 08:00:00	103	98	0	0	201	0	0	0	32	10	78	27	147	0	0	0	0	0	157	111	0	0	268	0	0	0	0	0	0	0	616	2357	
2018-10-09 08:15:00	100	125	0	0	225	0	0	0	26	10	78	17	131	0	0	0	0	0	134	70	0	0	204	0	0	0	0	0	0	0	560	2311	
2018-10-09 08:30:00	103	132	0	0	235	0	0	0	40	13	62	22	137	0	0	0	0	0	149	71	0	0	220	0	0	0	0	0	0	0	592	2353	
2018-10-09 08:45:00	105	139	0	0	244	1	0	0	25	11	61	21	118	0	0	0	0	0	160	67	0	0	227	0	0	0	0	0	0	0	589	2348	
2018-10-09 14:00:00	73	132	0	0	205	0	1	0	14	5	86	21	126	0	1	0	0	0	181	58	0	0	239	0	0	0	0	0	0	0	570	2354	
2018-10-09 14:15:00	77	119	0	0	196	0	0	0	24	7	63	15	109	1	0	0	0	0	206	91	0	0	297	0	0	0	0	0	0	0	602	2435	
2018-10-09 14:30:00	76	98	0	0	174	0	0	0	17	14	77	23	131	0	0	0	0	0	202	80	0	0	282	0	0	0	0	0	0	0	587	2508	
2018-10-09 14:45:00	75	130	0	0	205	0	0	0	13	11	68	17	109	0	0	0	0	0	210	71	0	0	281	0	0	0	0	0	2	2	595	2605	
2018-10-09 15:00:00	90	137	0	1	228	0	0	0	29	7	70	17	123	0	1	0	0	0	214	84	2	0	300	0	0	0	0	0	0	0	651	2809	
2018-10-09 15:15:00	80	134	0	0	214	0	1	0	18	8	80	34	140	0	0	0	0	0	249	72	0	0	321	0	0	0	0	0	0	0	675	2901	
2018-10-09 15:30:00	81	130	0	0	211	0	0	0	22	5	63	24	114	0	0	0	0	0	265	94	0	0	359	0	0	0	0	0	0	0	684	3153	
2018-10-09 15:45:00	105	163	0	0	268	0	0	0	31	15	66	21	133	0	0	0	0	0	301	95	2	0	398	0	0	0	0	0	0	0	799	3480	
2018-10-09 16:00:00	99	148	0	0	247	0	0	0	35	15	80	21	151	0	0	0	0	0	254	91	0	0	345	0	0	0	0	0	0	0	743	3513	
2018-10-09 16:15:00	155	221	0	0	376	0	1	0	22	7	81	33	143	0	1	0	0	0	308	100	0	0	408	0	0	0	0	0	0	0	927	3519	
2018-10-09 17:30:00	145	273	0	0	418	0	0	0	48	15	77	37	177	0	0	0	0	0	310	106	0	0	416	0	0	0	0	0	0	0	1011	3376	
2018-10-09 17:45:00	63	138	0	0	201	1	0	0	39	8	92	48	187	1	0	0	0	0	323	121	0	0	444	0	0	0	0	0	0	0	832	3074	
2018-10-09 18:00:00	64	119	0	0	183	0	0	0	38	11	71	39	159	0	0	0	0	0	321	86	0	1	407	0	0	0	0	0	0	0	749	2865	
2018-10-09 18:15:00	71	162	0	0	233	0	0	0	25	13	78	25	141	0	0	0	0	0	301	109	0	0	410	0	0	0	0	0	0	0	784	2706	
2018-10-09 18:30:00	82	136	0	0	218	0	0	0	39	6	57	31	133	0	0	0	0	0	250	108	0	0	358	0	0	0	0	0	0	0	709	2457	
2018-10-09 18:45:00	76	91	0	0	167	0	0	0	27	17	85	41	170	0	0	0	0	0	194	92	0	0	286	0	0	0	0	0	0	0	623		
2018-10-09 19:00:00	56	131	0	0	187	0	0	0	22	11	59	38	130	0	0	0	0	0	186	87	0	0	273	0	0	0	0	0	0	0	590		
2018-10-09 19:15:00	62	111	0	0	173	0	0	0	20	4	57	27	108	0	0	0	0	0	175	79	0	0	254	0	0	0	0	0	0	0	535		
Grand Total	2664	3954	0	1	6619	2	3		852	290	1960	707	3809	2	3		0	6324	2569	4		8897	0	1		0	0	0	0	0	19325		
% Approach	40.2%	59.7%	0.0%	0.0%					22.4%	7.6%	51.5%	18.6%					0.0%	71.1%	28.9%	0.0%				0.0%	0.0%	0.0%	0.0%						
% Total	13.8%	20.5%	0.0%	0.0%	34.3%				4.4%	1.5%	10.1%	3.7%	19.7%				0.0%	32.7%	13.3%	0.0%				0.0%	0.0%	0.0%	0.0%	0.0%					
Lights	2380	3537	0	1	5918				737	234	1672	655	3298				0	5683	2387	2		8072										17288	
% Lights	89.3%	89.5%	0.0%	100.0%	89.4%				86.5%	80.7%	85.3%	92.6%	86.6%				0.0%	89.9%	92.9%	50.0%		90.7%										89.5%	
Articulated Trucks	204	295	0	0	499				81	50	236	32	399				0	476	114	0		590										1488	
% Articulated Trucks	7.7%	7.5%	0.0%	0.0%	7.5%				9.5%	17.2%	12.0%	4.5%	10.5%				0.0%	7.5%	4.4%	0.0%		6.6%										7.7%	
Buses and Single-Unit Truc	80	122	0	0	202				34	6	52	20	112				0	165	68	2		235										549	
% Buses and Single-Unit Tr	3.0%	3.1%	0.0%	0.0%	3.1%				4.0%	2.1%	2.7%	2.8%	2.9%				0.0%	2.6%	2.6%	50.0%		2.6%										2.8%	
Pedestrians						2	3								2	3								0	1					2	2		
% Pedestrians						100.0%	100.0%								100.0%	100.0%							0.0%	100.0%					100.0%	100.0%			

6:30-9:2:00-4:5:30-7:
6:45-7:3:30-4:5:30-6:
2842 3153 3376