#040 December 10, 2024

TIMING AND SEQUENCE
FOR
BIG BEND BOULEVARD AND FORSYTH BOULEVARD

PHASE 1 (RECALL-OFF & NON-LOCKING)		SECONDS
Big Bend Blvd. SB LT	Minimum	6.0
(Protected / Permissive)	Passage	2.5
	Max I	25.0
	Yellow	4.8
	All Red	0.5
PHASE 2 (RECALL-ON)		
Big Bend Blvd. NB	Minimum	20.0
	Passage	1.0
	Max I	40.0
	Yellow	4.8
	All Red	0.5
WALK across Forsyth Blvd. E.S.		7.0
Fl DW across Forsyth Blvd. E.S.		12.0
PHASE 3 (RECALL-OFF & NON-LOCKING)		
Forsyth Blvd. WB & LT	Minimum	6.0
	Passage	2.5
	Max I	25.0
	Yellow	4.9
	All Red	0.5
WALK across Big Bend Blvd. N.S.		7.0
Fl DW across Big Bend Blvd. N.S.		17.0
PHASE 4 (RECALL-OFF & NON-LOCKING)		
Forsyth Blvd. EB & LT	Minimum	6.0
	Passage	2.5
	Max I	25.0
	Yellow	4.9
	All Red	0.5
WALK across Big Bend Blvd. S.S.		7.0
Fl DW across Big Bend Blvd. S.S.		16.0
PHASE 5 (RECALL-OFF & NON-LOCKING)		
Big Bend Blvd. NB LT	Minimum	6.0
(Protected / Permissive)	Passage	2.5
	Max I	25.0
	Yellow	4.8
	All Red	0.5
PHASE 6 (RECALL-ON)		
Big Bend Blvd. SB	Minimum	20.0
	Passage	1.0
	Max I	40.0
	Yellow	4.8
	All Red	0.5
WALK across Forsyth Blvd. W.S.		7.0
Fl DW across Forsyth Blvd. W.S.		15.0

First Phases Green: Phases 2 & 6

Detector Switching Used: Detector 1 Calls Phase 6
Detector 5 Calls Phase 2

Revert to Backup: 15 Minutes

Start up Time: 6 Seconds – All Red

Direct Connect: Big Bend/Clayton Address: 7 Mode: Online

Pattern 1 on 12:00 MN – 5:30 AM (Everyday)
Pattern 19 on 5:30 AM - 9:15 AM (M-F)
Pattern 55 on 9:15 AM - 3:00 PM & 6:30 PM – 12:00 MN (M-F)
Pattern 37 on 3:00 PM - 6:30 PM (M-F)
Pattern 55 on 5:30 AM - 12:00 MN (Sat & Sun)

Emergency Flash Only Big Bend Blvd. - RED
Forsyth Blvd. – RED

---------- TIME BASE DATA - GENERAL ----------

COORD CYCLE ZERO ......: 24:00
TIME ZONE . . . . . .: 0
DST TYPE . . . . . : 0 - STANDARD

DAYLIGHT SAVINGS TIME
BEGIN: MONTH : 03 - MARCH BEGIN OCCURRENCE – 2 BEGIN DAY OF WEEK - 1
END : MONTH : 11 - NOVEMBER BEGIN OCCURRENCE – 1 BEGIN DAY OF WEEK - 1

---------- TIME BASE CONTROL DATA - SCHEDULING ----------

PLAN	MONTH	DAYS	DAYS OF WEEK
	1-12	1-31	1 2 3 4 5 6 7
1 -	X	X	X X
2 -	X	X	X X X X X

---------- TIME BASE CONTROL DATA - PLANS ----------

PLAN 1

Hour:Min		Action
00:01	-	1
05:30	-	4

PLAN 2

Hour:Min		Action
00:01	-	1
05:30	-	2
09:15	-	4
15:00	-	3
18:30	-	4

Action 1 – Pattern 1
Action 2 – Pattern 19
Action 3 – Pattern 37
Action 4 – Pattern 55

Big Bend Blvd. and Forsyth Blvd. - (Cont.)

---------- COORDINATION DATA - MODE ----------

CONTROL DATA		CODES.....0....1....2....3....4....5..
OPERATION .....:	1	< .. FRE AUT MAN --- --- ---
MODE (NORMAL) .....:	0	< .. PRM YLD PYL POM SOM FAC
MAXIMUM .....:	0	< .. INH MX1 MX2 --- --- ---
CORRECTION .....:	4	< .. DWL MDW SWY SW+ SW2 ---
OFFSET (?? OF GREEN) .:	0	< .. BEG END of Green
FORCE (?? TIME) .....:	0	< .. PLN CYCLE Time
MAX DWELL TIME (SEC)..:	0	< .. When CORRECTION = MDW
YIELD PERIOD (SEC)....:	0	< .. WHEN MODE = 1 TO 5
MANUAL (PATTERN).:	1	< .. When OPERATION = MAN

Cycle Length...: 80 [PATTERN 1]
Phs Time Sum.: 80 [Ring 1] - Normally Equals The Cycle Length

Phase	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Time .:	12	28	19	21	12	28	0	0	0	0	0	0	0	0	0	0
Mode .:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
COORD.:		X				X										

MODE	MAXM	CORR.	OFFM	FORCEM	SPEC.F.	OFFSET	SEQ.	R2L	R3L	R4L
0	0	0	0	0	0	1	0	0	0	0

Cycle Length...: 120 [PATTERN 19]
Phs Time Sum.: 120 [Ring 1] - Normally Equals The Cycle Length

Phase	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Time .:	16	45	30	29	31	30	0	0	0	0	0	0	0	0	0	0
Mode .:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
COORD.:		X				X										

MODE	MAXM	CORR.	OFFM	FORCEM	SPEC.F.	OFFSET	SEQ.	R2L	R3L	R4L
0	0	0	0	0	0	105	0	0	0	0

Cycle Length...: 120 [PATTERN 37]
Phs Time Sum.: 120 [Ring 1] - Normally Equals The Cycle Length

Phase	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Time .:	15	41	34	30	19	37	0	0	0	0	0	0	0	0	0	0
Mode .:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
COORD.:		X				X										

MODE	MAXM	CORR.	OFFM	FORCEM	SPEC.F.	OFFSET	SEQ.	R2L	R3L	R4L
0	0	0	0	0	0	44	0	0	0	0

Cycle Length...: 120 [PATTERN 55]
Phs Time Sum.: 120 [Ring 1] - Normally Equals The Cycle Length

Phase	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Time .:	15	41	34	30	19	37	0	0	0	0	0	0	0	0	0	0
Mode .:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
COORD.:		X				X										

MODE	MAXM	CORR.	OFFM	FORCEM	SPEC.F.	OFFSET	SEQ.	R2L	R3L	R4L
0	0	0	0	0	0	49	0	0	0	0

SAINT LOUIS COUNTY

DEPARTMENT OF HIGHWAYS & TRAFFIC

INTERSECTION FLOW DIAGRAM

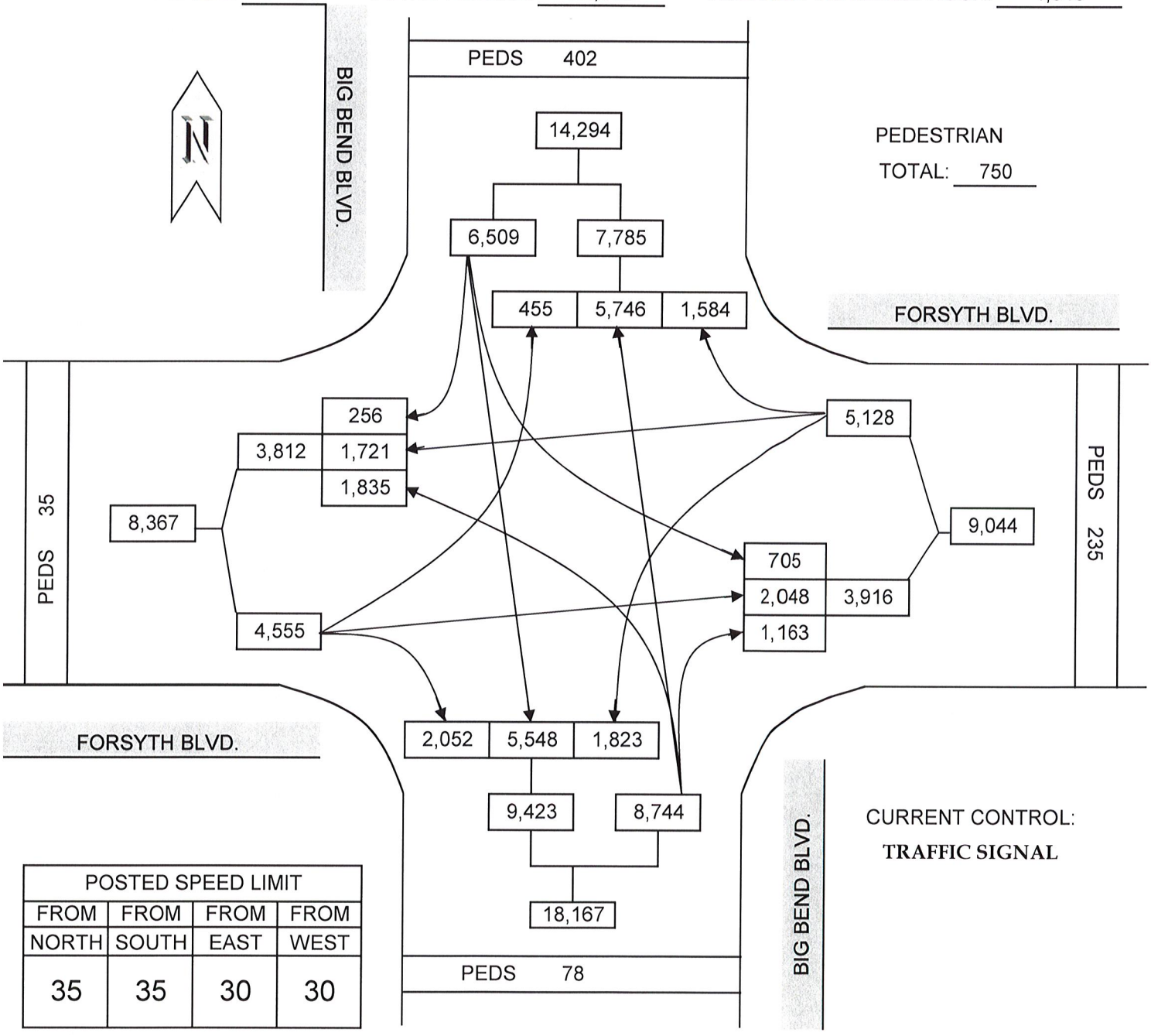
INTERSECTION: **BIG BEND BLVD. & FORSYTH BLVD.**

DAYS & DATES: THURSDAY 3-3-17 & FRIDAY 3-3-17

WEATHER: SUNNY & SUNNY

TIMES: 12:30 PM to 7:00 PM & 6:00 AM to 12:30 PM

PERIOD: 13 HR TOTAL VOLUME: 24,936 AVERAGE VEHICLES / HOUR: 1,918



PEDESTRIAN TOTAL: 750

CURRENT CONTROL: **TRAFFIC SIGNAL**

POSTED SPEED LIMIT			
FROM NORTH	FROM SOUTH	FROM EAST	FROM WEST
35	35	30	30

SAINT LOUIS COUNTY
DEPARTMENT OF
HIGHWAYS AND TRAFFIC

Counter:
Counted By: Larry/Jesse
Weather: Sunny/Sunny
Speed: N-35, S35, E- 30, W-30

File Name : BIGBEND-FORSYTH
Site Code : 00000661
Start Date : 3/3/2017
Page No : 1

Groups Printed- 1 - 1 - Unshifted

	BIG BEND BLVD. From North					FORSYTH BLVD. From East					BIG BEND BLVD. From South					FORSYTH BLVD. From West					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Factor	1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		
6:00:00 AM	17	106	9	2	134	14	55	20	9	98	69	179	38	2	288	13	42	22	6	83	603
7:00:00 AM	64	510	12	1	587	55	167	78	9	309	214	422	73	2	711	22	123	170	0	315	1922
8:00:00 AM	106	530	22	0	658	67	187	96	34	384	314	639	184	11	1148	40	207	156	1	404	2594
9:00:00 AM	50	308	17	2	377	77	94	93	25	289	134	370	108	14	626	25	146	86	9	266	1558
10:00:00 AM	27	224	18	6	275	82	100	89	35	306	83	340	72	9	504	26	110	69	6	211	1296
11:00:00 AM	37	282	18	6	343	140	107	115	38	400	107	383	84	14	588	30	109	137	5	281	1612
12:00:00 PM	52	317	10	4	383	134	124	146	40	444	129	448	83	21	681	39	169	135	2	345	1853
1:00:00 PM	55	365	22	6	448	127	102	92	17	338	119	424	79	15	637	36	120	159	4	319	1742
2:00:00 PM	34	426	19	3	482	162	139	124	32	457	107	379	80	19	585	45	156	128	11	340	1864
3:00:00 PM	35	419	12	1	467	160	121	136	21	438	146	544	99	12	801	60	179	168	4	411	2117
4:00:00 PM	58	720	31	0	809	269	166	169	51	655	143	553	82	59	837	35	235	300	13	583	2884
5:00:00 PM	102	842	33	2	979	333	198	214	59	804	164	580	110	44	898	51	296	363	17	727	3408
6:00:00 PM	68	499	33	2	602	203	161	212	32	608	106	485	71	13	675	33	156	159	0	348	2233
Grand Total	705	5548	256	35	6544	1823	1721	1584	402	5530	1835	5746	1163	235	8979	455	2048	2052	78	4633	25686
Apprch %	10.8	84.8	3.9	0.5		33.0	31.1	28.6	7.3		20.4	64.0	13.0	2.6		9.8	44.2	44.3	1.7		
Total %	2.7	21.6	1.0	0.1	25.5	7.1	6.7	6.2	1.6	21.5	7.1	22.4	4.5	0.9	35.0	1.8	8.0	8.0	0.3	18.0	

SAINT LOUIS COUNTY
DEPARTMENT OF
HIGHWAYS AND TRAFFIC

Counter:
Counted By: Larry/Jesse
Weather: Sunny/Sunny
Speed: N-35, S-35, E-30, W-30

File Name : BIGBEND-FORSYTH
Site Code : 00000661
Start Date : 3/3/2017
Page No : 1

Groups Printed- 1 - Unshifted

	BIG BEND BLVD. From North					FORSYTH BLVD. From East					BIG BEND BLVD. From South					FORSYTH BLVD. From West					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Factor	1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		
06:00 AM	5	23	2	0	30	0	2	6	2	10	8	31	8	1	48	2	7	2	0	11	99
06:15 AM	3	20	1	0	24	3	12	0	1	16	8	28	10	1	47	0	8	5	4	17	104
06:30 AM	8	29	4	0	41	4	15	6	2	27	23	52	9	0	84	5	7	9	2	23	175
06:45 AM	1	34	2	2	39	7	26	8	4	45	30	68	11	0	109	6	20	6	0	32	225
Total	17	106	9	2	134	14	55	20	9	98	69	179	38	2	288	13	42	22	6	83	603
07:00 AM	9	74	3	0	86	13	21	18	0	52	40	77	18	0	135	3	10	28	0	41	314
07:15 AM	15	112	1	1	129	4	30	10	4	48	37	59	10	1	107	4	34	40	0	78	362
07:30 AM	11	190	2	0	203	19	44	23	1	87	44	137	13	0	194	6	35	50	0	91	575
07:45 AM	29	134	6	0	169	19	72	27	4	122	93	149	32	1	275	9	44	52	0	105	671
Total	64	510	12	1	587	55	167	78	9	309	214	422	73	2	711	22	123	170	0	315	1922
08:00 AM	13	132	6	0	151	19	56	26	6	107	107	164	41	0	312	13	53	50	0	116	686
08:15 AM	38	134	8	0	180	17	55	25	5	102	82	174	59	2	317	10	55	39	1	105	704
08:30 AM	28	148	1	0	177	11	41	23	8	83	77	162	43	8	290	6	47	28	0	81	631
08:45 AM	27	116	7	0	150	20	35	22	15	92	48	139	41	1	229	11	52	39	0	102	573
Total	106	530	22	0	658	67	187	96	34	384	314	639	184	11	1148	40	207	156	1	404	2594
09:00 AM	17	65	3	0	85	17	29	24	5	75	46	115	30	3	194	2	42	25	3	72	426
09:15 AM	6	71	3	1	81	16	31	26	5	78	32	89	23	2	146	4	22	14	1	41	346
09:30 AM	9	100	3	0	112	19	16	17	8	60	30	69	26	5	130	5	35	27	2	69	371
09:45 AM	18	72	8	1	99	25	18	26	7	76	26	97	29	4	156	14	47	20	3	84	415
Total	50	308	17	2	377	77	94	93	25	289	134	370	108	14	626	25	146	86	9	266	1558
10:00 AM	8	47	3	5	63	19	32	14	11	76	20	75	19	5	119	4	15	14	1	34	292
10:15 AM	7	59	6	0	72	21	25	22	6	74	17	91	20	2	130	5	33	24	2	64	340
10:30 AM	2	59	5	1	67	25	27	21	11	84	18	66	10	2	96	8	28	10	0	46	293
10:45 AM	10	59	4	0	73	17	16	32	7	72	28	108	23	0	159	9	34	21	3	67	371
Total	27	224	18	6	275	82	100	89	35	306	83	340	72	9	504	26	110	69	6	211	1296
11:00 AM	9	51	4	0	64	31	18	32	13	94	21	78	20	8	127	8	22	21	3	54	339
11:15 AM	9	89	4	0	102	33	34	25	6	98	31	90	15	3	139	8	23	34	0	65	404
11:30 AM	7	73	5	3	88	36	32	29	6	103	20	100	23	0	143	11	29	45	0	85	419
11:45 AM	12	69	5	3	89	40	23	29	13	105	35	115	26	3	179	3	35	37	2	77	450
Total	37	282	18	6	343	140	107	115	38	400	107	383	84	14	588	30	109	137	5	281	1612
12:00 PM	13	78	2	0	93	44	27	47	6	124	31	112	21	7	171	11	46	43	1	101	489
12:15 PM	13	103	4	0	120	30	26	27	11	94	31	116	22	5	174	10	35	37	1	83	471
12:30 PM	7	56	1	0	64	32	43	38	6	119	29	111	16	3	159	2	35	27	0	64	406
12:45 PM	19	80	3	4	106	28	28	34	17	107	38	109	24	6	177	16	53	28	0	97	487
Total	52	317	10	4	383	134	124	146	40	444	129	448	83	21	681	39	169	135	2	345	1853

SAINT LOUIS COUNTY
DEPARTMENT OF
HIGHWAYS AND TRAFFIC

File Name : BIGBEND-FORSYTH
Site Code : 00000661
Start Date : 3/3/2017
Page No : 2

Groups Printed- 1 - Unshifted

	BIG BEND BLVD. From North					FORSYTH BLVD. From East					BIG BEND BLVD. From South					FORSYTH BLVD. From West					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Factor	1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		
01:00 PM	14	105	6	2	127	42	24	32	8	106	32	106	22	7	167	7	30	48	0	85	485
01:15 PM	17	85	9	0	111	29	31	25	4	89	23	103	26	5	157	8	34	42	2	86	443
01:30 PM	12	90	3	2	107	30	22	21	1	74	34	107	17	3	161	11	25	42	2	80	422
01:45 PM	12	85	4	2	103	26	25	14	4	69	30	108	14	0	152	10	31	27	0	68	392
Total	55	365	22	6	448	127	102	92	17	338	119	424	79	15	637	36	120	159	4	319	1742
02:00 PM	7	99	2	2	110	40	46	26	11	123	18	93	26	5	142	13	35	25	5	78	453
02:15 PM	9	113	2	1	125	34	18	31	3	86	20	83	14	6	123	15	36	29	3	83	417
02:30 PM	6	102	8	0	116	46	38	31	12	127	30	92	15	7	144	9	40	42	0	91	478
02:45 PM	12	112	7	0	131	42	37	36	6	121	39	111	25	1	176	8	45	32	3	88	516
Total	34	426	19	3	482	162	139	124	32	457	107	379	80	19	585	45	156	128	11	340	1864
03:00 PM	5	49	3	1	58	39	23	33	5	100	28	117	24	2	171	20	39	30	0	89	418
03:15 PM	7	132	7	0	146	39	28	36	2	105	36	131	25	3	195	16	56	66	2	140	586
03:30 PM	8	109	1	0	118	41	40	37	5	123	49	148	24	2	223	9	43	34	2	88	552
03:45 PM	15	129	1	0	145	41	30	30	9	110	33	148	26	5	212	15	41	38	0	94	561
Total	35	419	12	1	467	160	121	136	21	438	146	544	99	12	801	60	179	168	4	411	2117
04:00 PM	20	180	8	0	208	78	54	51	18	201	25	143	13	3	184	7	51	65	0	123	716
04:15 PM	15	174	11	0	200	70	36	36	11	153	47	131	28	15	221	14	59	68	10	151	725
04:30 PM	5	195	6	0	206	66	41	35	13	155	30	123	19	31	203	8	58	89	2	157	721
04:45 PM	18	171	6	0	195	55	35	47	9	146	41	156	22	10	229	6	67	78	1	152	722
Total	58	720	31	0	809	269	166	169	51	655	143	553	82	59	837	35	235	300	13	583	2884
05:00 PM	30	237	9	1	277	104	41	50	16	211	41	128	29	9	207	10	56	104	9	179	874
05:15 PM	27	232	13	0	272	85	46	59	11	201	39	172	22	9	242	11	90	103	2	206	921
05:30 PM	19	233	8	0	260	77	58	45	22	202	41	127	26	15	209	14	65	96	3	178	849
05:45 PM	26	140	3	1	170	67	53	60	10	190	43	153	33	11	240	16	85	60	3	164	764
Total	102	842	33	2	979	333	198	214	59	804	164	580	110	44	898	51	296	363	17	727	3408
06:00 PM	24	141	9	0	174	69	52	75	10	206	36	126	18	4	184	13	60	47	0	120	684
06:15 PM	20	123	9	0	152	34	47	57	4	142	22	135	22	3	182	8	40	38	0	86	562
06:30 PM	11	123	6	1	141	60	31	42	10	143	33	127	19	1	180	9	35	38	0	82	546
06:45 PM	13	112	9	1	135	40	31	38	8	117	15	97	12	5	129	3	21	36	0	60	441
Total	68	499	33	2	602	203	161	212	32	608	106	485	71	13	675	33	156	159	0	348	2233
Grand Total	705	5548	256	35	6544	1823	1721	1584	402	5530	1835	5746	1163	235	8979	455	2048	2052	78	4633	25686
Apprch %	10.8	84.8	3.9	0.5		33.0	31.1	28.6	7.3		20.4	64.0	13.0	2.6		9.8	44.2	44.3	1.7		
Total %	2.7	21.6	1.0	0.1	25.5	7.1	6.7	6.2	1.6	21.5	7.1	22.4	4.5	0.9	35.0	1.8	8.0	8.0	0.3	18.0	

SAINT LOUIS COUNTY
DEPARTMENT OF
HIGHWAYS AND TRAFFIC

File Name : BIGBEND-FORSYTH
Site Code : 00000661
Start Date : 3/3/2017
Page No : 2

