#051 October 21, 2026

TIMING AND SEQUENCE
FOR
BIG BEND BOULEVARD AND FOREST PARK PARKWAY

PHASE 1 (RECALL OFF – NON LOCKING)		
Forest Park Pkwy. EB LT	Minimum	6.0
(Protected / Permissive)	Passage	2.5
	Max I	15.0
	Yellow	5.3
	All Red	0.5
PHASE 2 (RECALL OFF – NON LOCKING)		
Forest Park Pkwy. WB	Minimum	6.0
	Passage	2.5
	Max I	50.0
	Yellow	5.3
	All Red	0.5
WALK across Big Bend Blvd. N.S.		7.0
Fl DW across Big Bend Blvd. N.S.		19.0
PHASE 3 (RECALL OFF – NON LOCKING)		
Big Bend Blvd. SB LT	Minimum	6.0
Forest Park Pkwy. WB RT	Passage	2.5
(Protected / Permissive)	Max I	20.0
	Yellow	5.4
	All Red	0.5
PHASE 4 (RECALL-ON)		
Big Bend Blvd. NB	Minimum	6.0
	Passage	2.5
	Max I	35.0
	Yellow	5.4
	All Red	0.5
WALK across Forest Park Pkwy. E.S.		7.0
Fl DW across Forest Park Pkwy. E.S.		26.0
PHASE 5 (RECALL OFF – NON LOCKING)		
Forest Park Pkwy. WB LT	Minimum	6.0
(Protected / Permissive)	Passage	2.5
	Max I	15.0
	Yellow	5.3
	All Red	0.5
PHASE 6 (RECALL OFF – NON LOCKING)		
Forest Park Pkwy. EB	Minimum	6.0
	Passage	2.5
	Max I	50.0
	Yellow	5.3
	All Red	0.5
WALK across Big Bend Blvd. S.S.		7.0
Fl DW across Big Bend Blvd. S.S.		16.0

Big Bend Blvd. and Forest Park Pkwy – (Cont.)

PHASE 7 (RECALL OFF – NON LOCKING)

Big Bend Blvd. NB LT	Minimum	6.0
(Protected / Permissive)	Passage	2.5
	Max I	20.0
	Yellow	5.4
	All Red	0.5

PHASE 8 (RECALL-ON)

Big Bend Blvd. SB	Minimum	6.0
	Passage	2.5
	Max I	35.0
	Yellow	5.4
	All Red	0.5
WALK across Forest Park Pkwy. W.S.		7.0
Fl DW across Forest Park Pkwy. W.S.		22.0

First Phases Green: Phases 4 & 8

Dual Entry: Phase 2 & 6

Detector Switching: Detector 3 Calls Phase 8
Detector 7 Calls Phase 4

Start up Time: 10 Seconds – All Red

Direct Connect: Forest Park Pkwy Address: 1(Direct IP)
Mode: System

Pattern 55 on 9:15 AM - 3:00 PM (M-F)
Pattern 37 on 3:00 PM - 6:30 PM (M-F)
Pattern 55 on 6:30 PM – 10:00 PM (M-F)
Pattern 55 on 5:30 AM - 10:00 PM (Sat & Sun)
Signal runs in Pattern 254(free operation) at all other times

Signal runs Adaptive Splits during Pattern 37

Phases 2, 4, 6, & 8 are programmed for Stop Bar B with a 2.5 second extend in timer

WB advance loops are wired to Ped Detector 1 and assigned to Phase 2 as a Vehicle Detector with a 3.5 second extend in timer

EB advance loops are wired to Ped Detector 5 and assigned to Phase 6 as a Vehicle Detector with a 3.4 second extend in timer

NB advance loops are wired to Ped Detector 3 and assigned to Phase 4 as a Vehicle Detector with a 3.6 second extend in timer

SB advance loops are wired to Ped Detector 7 and assigned to Phase 8 as a Vehicle Detector with a 4.7 second extend in timer

Emergency Flash Only

Big Bend Blvd. - RED
Forest Park Pkwy. – 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 1-12	DAYS 1-31	DAYS OF WEEK 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	-	5
05:30	-	4
22:00	-	5

PLAN 2

Hour:Min		Action
00:01	-	5
09:15	-	4
15:00	-	3
18:30	-	4
22:00	-	5

Action 3 – Pattern 37
Action 4 – Pattern 55
Action 5 – Pattern 254

---------- 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) .....:	1	< .. PLN CYCLE Time
MAX DWELL TIME (SEC)..:	0	< .. When CORRECTION = MDW
YIELD PERIOD (SEC)....:	0	< .. WHEN MODE = 1 TO 5
MANUAL (PATTERN).:	55	< .. When OPERATION = MAN

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 .:	18	42	18	42	18	42	18	42	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	10	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	43	18	44	15	43	18	44	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	10	0	0	0	0

SAINT LOUIS COUNTY

DEPARTMENT OF HIGHWAYS & TRAFFIC

INTERSECTION FLOW DIAGRAM

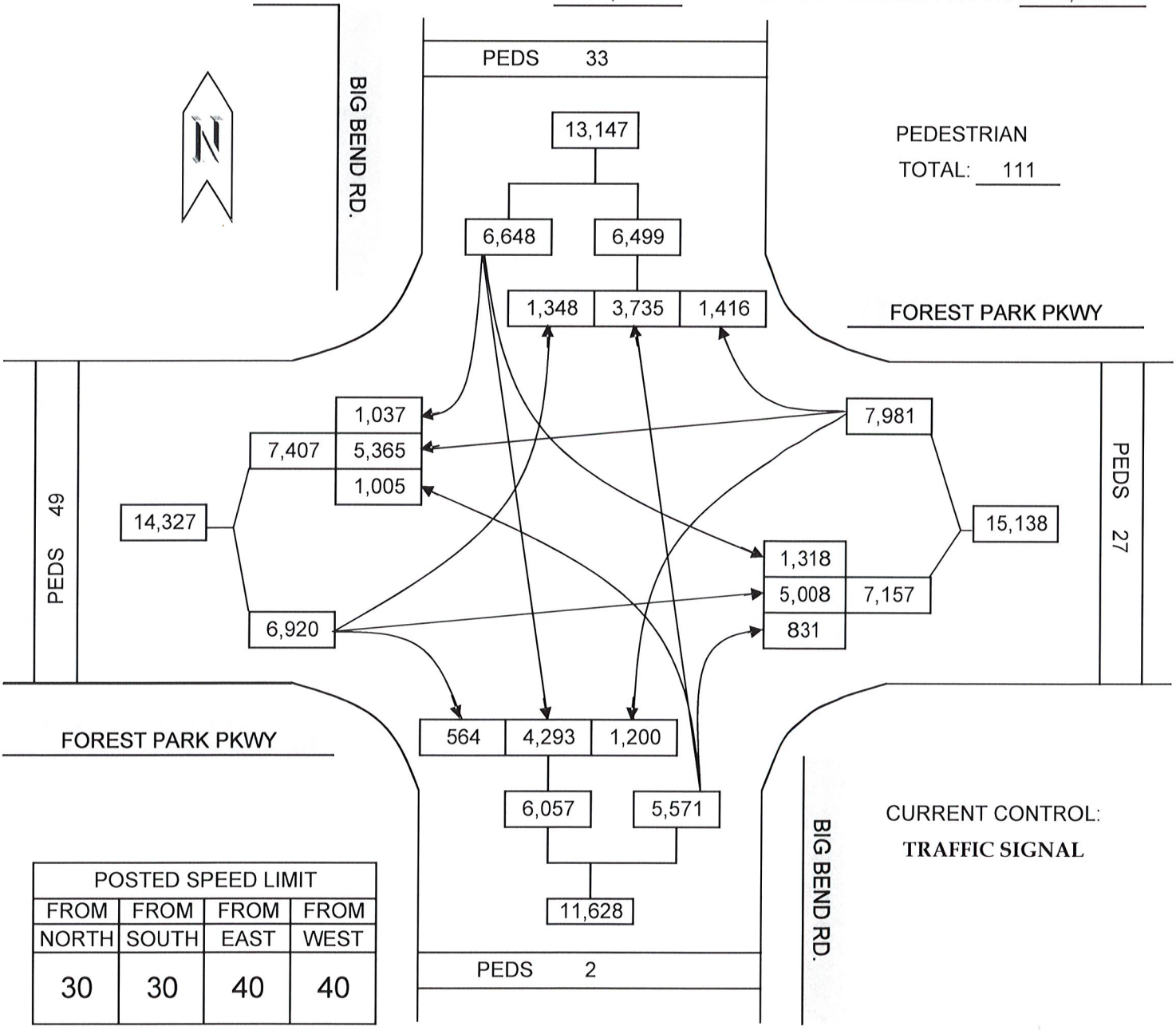
INTERSECTION: **BIG BEND BLVD. & FOREST PARK PKWY**

DAYS & DATES: FRIDAY 2/5/21 & WEDNESDAY 6/30/21

WEATHER: SUNNY/RAINING

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

PERIOD: 13 HR TOTAL VOLUME: 27,120 AVERAGE VEHICLES / HOUR: 2,086



POSTED SPEED LIMIT			
FROM NORTH	FROM SOUTH	FROM EAST	FROM WEST
30	30	40	40

COUNTER:
COUNTED BY: MOSES/JESSE/LOUIS
WEATHER: SUNNY/RAINING
SPEED: N-30, S-30, E-40, W-40

File Name : BIG BEND RD FOREST PARK PKWY
Site Code : 00000670
Start Date : 6/30/2021
Page No : 1

Groups Printed- Unshifted - Bank 1 - Bank 2

	BIG BEND BLVD. From North					FOREST PARK PKWY From East					BIG BEND BLVD. From South					FOREST PARK PKWY From West					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
06:00 AM	4	20	13	0	37	4	9	13	0	26	7	11	3	0	21	3	34	1	0	38	122
06:15 AM	6	28	19	0	53	4	28	6	0	38	6	15	2	0	23	4	50	3	0	57	171
06:30 AM	6	17	20	1	44	8	33	8	0	49	10	1	8	0	19	7	73	4	0	84	196
06:45 AM	10	24	24	1	59	4	45	10	1	60	5	31	6	0	42	11	83	11	0	105	266
Total	26	89	76	2	193	20	115	37	1	173	28	58	19	0	105	25	240	19	0	284	755
07:00 AM	8	28	17	1	54	4	50	5	0	59	3	29	9	0	41	6	64	8	0	78	232
07:15 AM	13	54	37	1	105	14	85	8	0	107	12	41	12	0	65	8	79	8	0	95	372
07:30 AM	22	91	47	1	161	15	108	19	0	142	22	53	18	0	93	11	108	11	0	130	526
07:45 AM	27	113	44	1	185	15	113	12	0	140	18	72	35	0	125	22	97	13	0	132	582
Total	70	286	145	4	505	48	356	44	0	448	55	195	74	0	324	47	348	40	0	435	1712
08:00 AM	16	78	41	1	136	12	101	24	1	138	13	61	69	0	143	26	128	9	0	163	580
08:15 AM	17	58	42	0	117	30	91	13	1	135	27	63	21	0	111	17	100	14	0	131	494
08:30 AM	15	63	30	1	109	21	80	18	1	120	17	73	25	0	115	11	88	9	0	108	452
08:45 AM	17	57	32	0	106	13	84	20	1	118	14	65	19	0	98	16	95	14	0	125	447
Total	65	256	145	2	468	76	356	75	4	511	71	262	134	0	467	70	411	46	0	527	1973
09:00 AM	3	27	16	1	47	3	18	6	0	27	18	43	8	0	69	7	83	13	0	103	246
09:15 AM	4	45	12	1	62	8	38	11	0	57	12	1	3	0	16	9	59	12	0	80	215
09:30 AM	10	68	20	1	99	11	60	21	0	92	8	1	13	0	22	8	59	6	0	73	286
09:45 AM	14	70	25	2	111	25	63	16	0	104	6	65	11	0	82	9	78	4	0	91	388
Total	31	210	73	5	319	47	179	54	0	280	44	110	35	0	189	33	279	35	0	347	1135
10:00 AM	9	52	24	0	85	11	53	24	1	89	14	51	20	0	85	5	53	15	0	73	332
10:15 AM	12	70	21	2	105	16	82	23	3	124	12	67	23	0	102	13	66	7	0	86	417
10:30 AM	16	80	17	1	114	24	56	26	0	106	10	57	13	0	80	2	55	11	0	68	368
10:45 AM	14	79	20	2	115	15	72	19	0	106	14	76	17	0	107	16	63	14	0	93	421
Total	51	281	82	5	419	66	263	92	4	425	50	251	73	0	374	36	237	47	0	320	1538
11:00 AM	15	68	14	2	99	24	69	31	2	126	7	2	18	0	27	13	53	1	0	67	319
11:15 AM	17	71	22	0	110	12	76	24	1	113	9	69	22	0	100	9	64	19	0	92	415
11:30 AM	17	94	27	2	140	13	74	30	1	118	13	91	13	0	117	5	82	6	0	93	468
11:45 AM	12	81	19	2	114	25	83	41	0	149	9	58	26	0	93	12	86	6	0	104	460
Total	61	314	82	6	463	74	302	126	4	506	38	220	79	0	337	39	285	32	0	356	1662
12:00 PM	30	81	21	1	133	10	65	30	5	110	8	95	12	0	115	4	93	22	0	119	477
12:15 PM	23	78	19	0	120	24	86	22	1	133	22	81	10	1	114	7	83	25	0	115	482
12:30 PM	16	75	17	1	109	25	84	17	1	127	19	90	22	0	131	10	74	28	0	112	479
12:45 PM	24	82	26	1	133	38	84	18	1	141	22	63	13	2	100	15	92	46	0	153	527
Total	93	316	83	3	495	97	319	87	8	511	71	329	57	3	460	36	342	121	0	499	1965
01:00 PM	25	76	23	1	125	28	82	16	0	126	21	87	17	1	126	5	73	26	0	104	481
01:15 PM	31	113	18	1	163	21	99	18	1	139	20	86	21	1	128	12	111	27	0	150	580
01:30 PM	31	65	19	1	116	30	82	16	0	128	16	95	17	0	128	17	104	27	0	148	520
01:45 PM	24	103	20	2	149	28	79	27	0	134	20	74	16	2	112	7	92	30	2	131	526
Total	111	357	80	5	553	107	342	77	1	527	77	342	71	4	494	41	380	110	2	533	2107
02:00 PM	18	75	24	0	117	28	94	23	0	145	22	87	17	0	126	12	80	31	0	123	511
02:15 PM	24	92	21	0	137	23	109	15	1	148	14	94	12	1	121	14	88	24	0	126	532
02:30 PM	29	87	20	1	137	32	149	20	2	203	18	83	24	2	127	11	78	30	0	119	586
02:45 PM	35	98	19	1	153	32	140	36	1	209	19	108	31	0	158	15	98	52	0	165	685
Total	106	352	84	2	544	115	492	94	4	705	73	372	84	3	532	52	344	137	0	533	2314
03:00 PM	34	141	31	2	208	32	143	24	0	199	21	102	25	3	151	14	98	41	0	153	711
03:15 PM	22	116	31	0	169	39	157	37	1	234	17	112	27	0	156	6	113	35	0	154	713
03:30 PM	33	109	18	2	162	49	211	25	1	286	16	92	26	0	134	6	109	18	0	133	715
03:45 PM	31	131	26	0	188	48	182	46	3	279	17	100	22	0	139	10	124	31	0	165	771
Total	120	497	106	4	727	168	693	132	5	998	71	406	100	3	580	36	444	125	0	605	2910
04:00 PM	35	113	27	0	175	47	182	36	0	265	16	95	26	0	137	10	130	64	0	204	781
04:15 PM	19	108	29	0	156	51	220	28	0	299	17	122	27	2	168	5	147	40	0	192	815
04:30 PM	34	109	31	2	176	51	198	21	1	271	20	93	30	3	146	17	116	38	0	171	764
04:45 PM	27	123	34	1	185	57	201	44	1	303	14	138	29	0	181	13	142	84	1	240	909
Total	115	453	121	3	692	206	801	129	2	1138	67	448	112	5	632	45	535	226	1	807	3269

COUNTED BY: MOSES/JESSE/LOUIS
WEATHER: SUNNY/RAINING
SPEED: N-30, S-30, E-40, W-40

File Name : BIG BEND RD FOREST PARK PKWY
Site Code : 00000670
Start Date : 6/30/2021

Groups Printed- Unshifted - Bank 1 - Bank 2

	BIG BEND BLVD. From North					FOREST PARK PKWY From East					BIG BEND BLVD. From South					FOREST PARK PKWY From West					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
05:00 PM	31	115	26	5	177	61	216	41	0	318	18	105	25	3	151	14	185	63	0	262	908
05:15 PM	24	146	30	0	200	68	201	47	0	316	21	118	26	4	169	19	200	86	0	305	990
05:30 PM	25	113	27	2	167	50	154	23	0	227	16	90	29	1	136	13	142	39	2	196	726
05:45 PM	25	131	37	1	194	41	142	37	0	220	20	102	15	0	137	17	134	51	0	202	753
Total	105	505	120	8	738	220	713	148	0	1081	75	415	95	8	593	63	661	239	2	965	3377
06:00 PM	22	109	27	0	158	37	126	21	0	184	30	71	23	1	125	5	109	49	0	163	630
06:15 PM	18	98	33	0	149	50	105	30	0	185	35	90	19	0	144	13	145	48	0	206	684
06:30 PM	23	81	30	0	134	40	103	26	0	169	19	81	14	0	114	11	118	34	0	163	580
06:45 PM	20	89	31	0	140	45	100	28	0	173	27	85	16	0	128	12	130	40	0	182	623
Total	83	377	121	0	581	172	434	105	0	711	111	327	72	1	511	41	502	171	0	714	2517
Grand Total	1037	4293	1318	49	6697	1416	5365	1200	33	8014	831	3735	1005	27	5598	564	5008	1348	5	6925	27234
Apprch %	15.5	64.1	19.7	0.7		17.7	66.9	15	0.4		14.8	66.7	18	0.5		8.1	72.3	19.5	0.1		
Total %	3.8	15.8	4.8	0.2	24.6	5.2	19.7	4.4	0.1	29.4	3.1	13.7	3.7	0.1	20.6	2.1	18.4	4.9	0	25.4	
Unshifted	1037	4293	1318	49	6697	1416	5365	1200	33	8014	831	3735	1005	27	5598	564	5008	1348	5	6925	27234
% Unshifted	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Bank 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
% Bank 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bank 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
% Bank 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

COUNTED BY: MOSES/JESSE/LOUIS
WEATHER: SUNNY/RAINING
SPEED: N-30, S-30, E-40, W-40

File Name : BIG BEND RD FOREST PARK PKWY
Site Code : 00000670
Start Date : 6/30/2021
Page No : 1

Groups Printed- Unshifted - Bank 1 - Bank 2

	BIG BEND BLVD. From North					FOREST PARK PKWY From East					BIG BEND BLVD. From South					FOREST PARK PKWY From West					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
06:00 AM	26	89	76	2	193	20	115	37	1	173	28	58	19	0	105	25	240	19	0	284	755
07:00 AM	70	286	145	4	505	48	356	44	0	448	55	195	74	0	324	47	348	40	0	435	1712
08:00 AM	65	256	145	2	468	76	356	75	4	511	71	262	134	0	467	70	411	46	0	527	1973
09:00 AM	31	210	73	5	319	47	179	54	0	280	44	110	35	0	189	33	279	35	0	347	1135
10:00 AM	51	281	82	5	419	66	263	92	4	425	50	251	73	0	374	36	237	47	0	320	1538
11:00 AM	61	314	82	6	463	74	302	126	4	506	38	220	79	0	337	39	285	32	0	356	1662
12:00 PM	93	316	83	3	495	97	319	87	8	511	71	329	57	3	460	36	342	121	0	499	1965
01:00 PM	111	357	80	5	553	107	342	77	1	527	77	342	71	4	494	41	380	110	2	533	2107
02:00 PM	106	352	84	2	544	115	492	94	4	705	73	372	84	3	532	52	344	137	0	533	2314
03:00 PM	120	497	106	4	727	168	693	132	5	998	71	406	100	3	580	36	444	125	0	605	2910
04:00 PM	115	453	121	3	692	206	801	129	2	1138	67	448	112	5	632	45	535	226	1	807	3269
05:00 PM	105	505	120	8	738	220	713	148	0	1081	75	415	95	8	593	63	661	239	2	965	3377
06:00 PM	83	377	121	0	581	172	434	105	0	711	111	327	72	1	511	41	502	171	0	714	2517
Grand Total	1037	4293	1318	49	6697	1416	5365	1200	33	8014	831	3735	1005	27	5598	564	5008	1348	5	6925	27234
Apprch %	15.5	64.1	19.7	0.7		17.7	66.9	15	0.4		14.8	66.7	18	0.5		8.1	72.3	19.5	0.1		
Total %	3.8	15.8	4.8	0.2	24.6	5.2	19.7	4.4	0.1	29.4	3.1	13.7	3.7	0.1	20.6	2.1	18.4	4.9	0	25.4	
Unshifted	1037	4293	1318	49	6697	1416	5365	1200	33	8014	831	3735	1005	27	5598	564	5008	1348	5	6925	27234
% Unshifted	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Bank 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
% Bank 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bank 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
% Bank 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

