TRAFFIC DESIGN MANUAL

APPENDIX A

Traffic Signal Forms

Traffic Operations Division
Traffic Engineering Office

CONTROLLER TIMINGS

TIMING FUNCTION	PHASE TIME INTERVAL (SECONDS)							
	1	2	3	4	5	6	7	8
MINIMUM GREEN (INITIAL)								
EXTENSION (PASSAGE)								
MAXIMUM GREEN I								
MAXIMUM GREEN II								
YELLOW CLEARANCE								
ALL RED CLEARANCE								
PEDESTRIAN WALK								
PEDESTRIAN CLEARANCE								
PREEMPTION MINIMUM GREEN								
PREEMPTION CLEARANCE								

COORDINATION UNIT

DIAL NO.	CYCLE LENGTH	OFFSET 1	OFFSET 2	OFFSET 3	CYCLE SPLIT	SECONDS / TIME INTERVAL															
						1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
					1																
					2																
					1																
					2																
					1																
					2																
					1																
					2																

INT. NO. — INTERVAL FUNCTION

INTERSECTION: _____

FORCE OFFS

F.O. 1 = _____

F.O. 2 = _____

F.O. 3 = _____

BASE DAY _____ PROGRAM

CHANGE POINTS HOUR-MIN	OUTPUT									
	1	2	3	4	5	6	7	8	9	0
MIDNIGHT 00 – 00										

OUTPUT ASSIGNMENTS   X = ON

DIAL 5 {   1) FLASH OR AUX
                          2) DIAL 2
                          3) DIAL 3   } DIAL 6
                          4) DIAL 4
                          5) INBOUND OFFSET
                          6) HEAVY INBOUND
                          7) OUTBOUND
                          8) HEAVY OUTBOUND
                          9) USER PROGRAMMABLE – SEE LIST   NOTE: NO OUTPUT = DIAL 1,
                              OF OPTIONAL MODES.   AVG. SPLIT, AVG. OFFSET.
                          0) FREE OR AUX.

WEEKLY PROGRAM PLAN

PLAN NO.	DAY OF WEEK						
	SUN	MON	TUES	WED	THU	FRI	SAT
	1	2	3	4	5	6	7
0							
1							
2							
3							
4							
5							
6							
7							
8							
9							

INSERT BASE DAY NUMBER IN APPROPRIATE BOX.

WEEK OR YEAR ASSIGNMENT

WK. OF YEAR	*WEEKLY PLAN	WK. OF YEAR	*WEEKLY PLAN
1		27	
2		28	
3		29	
4		30	
5		31	
6		32	
7		33	
8		34	
9		35	
10		36	
11		37	
12		38	
13		39	
14		40	
15		41	
16		42	
17		43	
18		44	
19		45	
20		46	
21		47	
22		48	
23		49	
24		50	
25		51	
26		52	

NOTE: WITH NO PLAN LOADED, UNIT WILL AUTOMATICALLY ASSIGN PLAN 0.
     * ONLY ONE PLAN NUMBER PER WEEK OF YEAR.

CONTROLLER TIMINGS

TIMING FUNCTION	PHASE TIME INTERVAL (SECONDS)							
	1	2	3	4	5	6	7	8
MINIMUM GREEN (INITIAL)								
EXTENSION (PASSAGE)								
MAXIMUM GREEN I								
MAXIMUM GREEN II								
YELLOW CLEARANCE								
ALL RED CLEARANCE								
PEDESTRIAN WALK								
PEDESTRIAN CLEARANCE								
PREEMPTION MIN. GREEN								
PREEMPTION CLEARANCE								

COORDINATION UNIT

DIAL NO. TIME	CYCLE LENGTH	OFFSET 1	OFFSET 2	OFFSET 3	CYCLE SPLIT	PHASE TIME INTERVAL (SECONDS)
1					1	
AM PEAK					2	
2					1	
OFF PEAK					2	
3					1	
PM PEAK					2	
4					1	
					2	

INTERSECTION

_____

_____

_____

FORCE OFFS

1	
2	
3	
4	

INTERVAL FUNCTION

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

TRAFFIC SIGNAL REMOVAL ANALYSIS WORKSHEET

SECTION I - INTERSECTION INVENTORY

Intersection: _____ Date: _____

City/County/State: _____

Major St.: _____ Lanes/Approach: _____ ADT: _____

Minor St.: _____ Lanes/Approach: _____ ADT: _____

Major Street Speed Limit (mph): _____ Direction (circle one) NB/SB EB/WB

Side-Street Sight Distance (feet): _____ Direction (circle one) NB SB EB WB

Side-Street Sight Distance (feet): _____ Direction (circle one) NB SB EB WB

SECTION II - PRELIMINARY SCREENING

1. **Minimum Required Intersection Sight Distance Required (feet):**

   Turning Left _____ Crossing Thru _____ Turning Right _____

   Is the Intersection Sight Distance Less Than Minimum?
   ☐ Yes   ☐ No

2. **Do Special Site Conditions Make Signal Removal Institutionally Infeasible?**
   ☐ Yes   ☐ No

   Comments: _____

   _____

3. **Does Existing (or Future) Traffic Satisfy the MUTCD Signal Installation Warrants?**
   ☐ Yes   ☐ No   **At Least 50% Volume Warrants Satisfied?**   ☐ Yes   ☐ No

4. **Did Any Special Reasons Justify Signal Installation?**
   ☐ Yes   ☐ No

   Are These Reasons Still Valid?
   ☐ Yes   ☐ No

   Comments: _____

   _____