SEQUENCE OF OPERATION

MOVEMENT		PHASE 1		PHASE 2		PHASE 5

Table — Sequence of Operation (Interval / Change To / Signal indications)

		1	2A	2B	2C	2D	3	4A	4B	4C	4D	5A	5B	5C	5D	6A	6B	6C	6D	7A	7B	7C	7D	8A	8B	8C	8D	9	10A	10B	10C	10D	11A	11B	11C	11D	12A	12B	12C	12D	13A	13B	14A	14B	14C	14D
CHANGE TO			2					5				3+7				3+8				4+7				4+8				6	1				1				2				3+7	3+8	4+7	4+8		6
ILL. RTE. 83 (ELMHURST RD.) AT FOUNDRY RD. NEAR AND FAR RIGHT SIGNALS	N/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
ILL. RTE. 83 (ELMHURST RD.) AT FOUNDRY RD. MAST ARM AND FAR LEFT SIGNALS	N/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
ILL. RTE. 83 (ELMHURST RD.) AT U.S. RTE. 12 (RAND RD.) NEAR AND FAR RIGHT SIGNALS	N/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
ILL. RTE. 83 (ELMHURST RD.) AT U.S. RTE. 12 (RAND RD.) MAST ARM AND FAR LEFT SIGNALS	N/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
ILL. RTE. 83 (ELMHURST RD.) AT U.S. RTE. 12 (RAND RD.) NEAR AND FAR RIGHT SIGNALS	S/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
ILL. RTE. 83 (ELMHURST RD.) AT U.S. RTE. 12 (RAND RD.) MAST ARM AND FAR LEFT SIGNALS	S/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
ILL. RTE. 83 (ELMHURST RD.) AT FOUNDRY RD. ALL SIGNALS	S/B	R	R	R	R	R	G	G	G	G	G	G	G	G	Y	R	G	G	G	G	G	G	Y	R	G	G	Y	R	G	G	G	Y	R	G	G	G	G	G	G	Y	R	G	G	G	G	Y
FOUNDRY RD. AT ILL. RTE. 83 (ELMHURST RD.) ALL SIGNALS	E/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
FOUNDRY RD. AT U.S. RTE. 12 (RAND RD.) ALL SIGNALS	E/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
FOUNDRY RD. AT U.S. RTE. 12 (RAND RD.) ALL SIGNALS	W/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
FOUNDRY RD. AT ILL. RTE. 83 (ELMHURST RD.) ALL SIGNALS	W/B	G	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
U.S. RTE. 12 (RAND RD.) AT FOUNDRY RD. NEAR AND FAR RIGHT AND MID MAST ARM SIGNALS	NW/B	G	G	G	G	G	G	Y	R	R	R	R	Y	R	R	R	Y	R	R	R	Y	R	R	R	Y	R	R	R	Y	R	R	R	Y	R	R	R	Y	R	R	R	R	R	R	R	R	R
U.S. RTE. 12 (RAND RD.) AT FOUNDRY RD. LEFT TURN SIGNALS	NW/B	←G	←Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
U.S. RTE. 12 (RAND RD.) AT ILL. RTE. 83 (ELMHURST RD.) ALL SIGNALS	NW/B	G	G	G	G	G	G	G	Y	R	C	C	Y	R	G	G	Y	R	G	G	G	G	G	G	G	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
U.S. RTE. 12 (RAND RD.) AT ILL. RTE. 83 (ELMHURST RD.) NEAR AND FAR RIGHT AND MID MAST ARM SIGNALS	SE/B	R	R	R	R	R	G	G	G	G	G	Y	R	R	R	Y	R	R	R	R	Y	R	R	R	Y	R	R	R	G	Y	R	R	R	G	G	G	G	Y	R	R	R	R	Y	Y	R	R
U.S. RTE. 12 (RAND RD.) AT ILL. RTE. 83 (ELMHURST RD.) LEFT TURN SIGNALS	SE/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	←G	←Y	R	R	R	←Y	R	R	R	←Y	R	R	R	←Y	R	←Y	R	R
U.S. RTE. 12 (RAND RD.) AT FOUNDRY RD. NEAR AND FAR RIGHT AND MID MAST ARM SIGNALS	SE/B	R	R	R	R	R	G	G	G	G	G	G	G	G	G	G	G	G	G	G	Y	R	G	G	Y	R	G	G	G	Y	R	G	G	G	G	G	G	G	G	G	G	G	G	G	Y	R
U.S. RTE. 12 (RAND RD.) AT FOUNDRY RD. LEFT TURN SIGNALS	SE/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	←G	←G	←G	←Y	R	←G	←G	←Y	R	←G	←G	←G	←G	←G	←G	←G	←Y	R

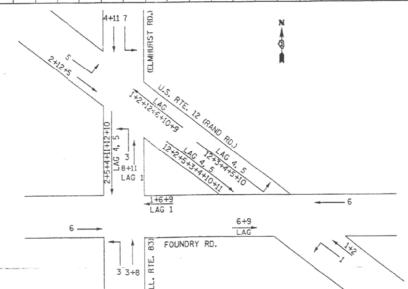## NOTES:

1. PHASE 3 VEHICLE DETECTOR SHALL PLACE ONE VEHICLE CALL INTO PHASE 8

2. PHASE 8 MUST BE ON LOCKING DETECTION

3. PHASE 2 MUST BE ON RECALL

4. ANTIBACKUP & DUAL ENTRY SHALL BE TURNED ON FOR PHASES 3, 4, 7, & 8

5. TIMED OVERLAP PHASES
   Ø 9 - EB WB Ø 6 (FOUNDRY)
   Ø 10 - NB SB Ø 2, Ø 5 (US 12)
   Ø 11 - NB SB Ø 4, Ø 8 (IL 83)

6. RING STRUCTURE AND PHASE ASSIGNMENT DIAGRAM

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1   2   12  10  5  | 3   4  | 11  6   9
                   | 7   8  |
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   EVP 1 = Ø 1
   EVP 2 = Ø 5
   EVP 3 = Ø 3+8
   EVP 4 = Ø 4+7
   EVP 5 = Ø 6

9 CALL = Ø 8 ON
10 CALL = 1, 3, 4, 7, 8, 6 CHECK
11 CALL = Ø 8 ON
12 CALL = Ø 5 CHECK
Ø 12 ON OMITS Ø 10
Ø 10 ON OMITS Ø 5
Ø 3 V.D. CALL Ø 8 Ø 4
Ø 4, Ø 8 ON LOCKING DETECTOR
Ø 8, 9, 10, 11, 12 MUST BE "NON LOCKING"
Ø 4, Ø 8 "DUAL ENTRY"
Ø 2 ON RECALL

INFORMATION ONLY