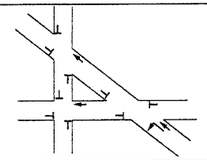
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	2004-017TS	COOK	38	19
STA.		TO STA.		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

CONTRACT #62736

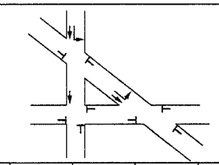
FIRE LANE NO. 1 PHASE 1 — EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION



MOVEMENT																							FIRE LANE NO. 1	CLEAR TO NORMAL SEQUENCE
CHANGE FROM NORMAL SEQUENCE OF OPERATION INTERVAL NUMBER		1	3		9				15		19		21				25				28			
EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER		1A	1B	1C	1D	1E	1F	1G	1H	1J	1K	1L	1M	1N	1P	1Q	1R	1S	1T	1U	1V	1W	2	
CHANGE TO EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER		2	1C	2	1E	1F	1G	2	1J	2	1L	2	1N	1P	1Q	2	1S	1T	1U	2	1W	2		
ILL. RTE. 83 (ELMHURST RD.) AT FOUNDRY RD. NEAR AND FAR RIGHT SIGNALS	N/B	R	R	R	R	R	R	R	Y	R	Y	R	R	R	R	R	Y	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	Y	R	Y	R	R	R	R	R	Y	R	R	R	R	R	R	◇
ILL. RTE. 83 (ELMHURST RD.) AT U.S. RTE. 12 (RAND RD.) NEAR & FAR RIGHT SIGNALS	N/B	R	R	R	R	R	R	R	R	R	Y	R	R	R	R	R	Y	R	R	R	R	R	R	◇
ILL. RTE. 83 (ELMHURST RD.) AT U.S. RTE. 12 (RAND RD.) MAST ARM & FAR LEFT SIGNALS	N/B	R	R	R	R	R	R	R	R←Y	R	Y	R	R	R	R	R	Y	R	R	R	R	R	R	◇
ILL. RTE. 83 (ELMHURST RD.) AT U.S. RTE. 12 (RAND RD.) NEAR & FAR RIGHT SIGNALS	S/B	R	R	R	R	R	R	R	R	R	R	R	Y	R	R	R	Y	R	R	R	R	R	R	◇
ILL. RTE. 83 (ELMHURST RD.) AT U.S. RTE. 12 (RAND RD.) MAST ARM & FAR LEFT SIGNALS	S/B	R	R	R	R	R	R	R	R←Y	R	R	R	Y	R	R	R	Y	R	R	R	R	R	R	◇
ILL. RTE. 83 (ELMHURST RD.) AT FOUNDRY RD. ALL SIGNALS	S/B	R	Y	R	G	G	Y	R	R	R	R	R	G	G	Y	R	G	G	Y	R	R	R	R	◇
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	Y	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	Y	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	Y	R	R	◇
FOUNDRY RD. AT ILL. RTE. 83 (ELMHURST RD.) ALL SIGNALS	W/B	G	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	G	G	◇
U.S. RTE. 12 (RAND RD.) AT FOUNDRY RD. NEAR AND FAR RIGHT AND MID MAST ARM SIGNALS	NW/B	G	G	G	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	◇
U.S. RTE. 12 (RAND RD.) AT FOUNDRY RD. LEFT TURN SIGNALS	NW/B	←G	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	←G	◇
U.S. RTE. 12 (RAND RD.) AT ILL. RTE. 83 (ELMHURST RD.) ALL SIGNALS	NW/B	G	G	G	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	G	G	◇
U.S. RTE. 12 (RAND RD.) AT ILL. RTE. 83 (ELMHURST RD.) NEAR AND FAR RIGHT AND MID MAST ARM SIGNALS	SE/B	R	Y	R	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.) LEFT TURN SIGNALS	SE/B	R	R	R	←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 FOUNDRY RD. NEAR AND FAR RIGHT AND MID MAST ARM SIGNALS	SE/B	R	Y	R	G	G	Y	R	Y	R	Y	R	G	G	Y	R	G	G	Y	R	R	R	R	◇
U.S. RTE. 12 (RAND RD.) AT FOUNDRY RD. LEFT TURN SIGNALS	SE/B	R	R	R	←G	←G	←Y	R	←Y	R	←Y	R	←G	←G	←Y	R	←G	←G	←Y	R	R	R	R	◇

◇ EMERGENCY VEHICLE SEQUENCE SHALL PROVIDE THE PROPER CLEARANCE INTERVAL TO RESUME THE NORMAL SEQUENCE OF OPERATION OR PROPER CLEARANCE INTERVAL TO DISPLAY A DIFFERENT EMERGENCY VEHICLE INTERVAL AFTER EMERGENCY VEHICLE INTERVAL 2 OR 3 IS TERMINATED.

FIRE LANE NO. 2 PHASE 5 — EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION



MOVEMENT																							FIRE LANE NO. 2	CLEAR TO NORMAL SEQUENCE
CHANGE FROM NORMAL SEQUENCE OF OPERATION INTERVAL NUMBER		1			3		9	15		19		21		25		28								
EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER		1A	1B	1C	1D	1E	1F	1G	1H	1J	1K	1L	1M	1N	1P	1Q	1R	1S	2					
CHANGE TO EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER		1B	1C	1D	2	1F	2	2	1J	2	1L	2	1N	2	1Q	2	1S	2						
ILL. RTE. 83 (ELMHURST RD.) AT FOUNDRY RD. NEAR AND FAR RIGHT SIGNALS	N/B	R	R	R	R	R	R	R	Y	R	Y	R	R	R	Y	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	Y	R	Y	R	R	R	Y	R	R	R	R					◇
ILL. RTE. 83 (ELMHURST RD.) AT U.S. RTE. 12 (RAND RD.) NEAR & FAR RIGHT SIGNALS	N/B	R	R	R	R	R	R	R	R	R	Y	R	R	R	Y	R	R	R	R					◇
ILL. RTE. 83 (ELMHURST RD.) AT U.S. RTE. 12 (RAND RD.) MAST ARM & FAR LEFT SIGNALS	N/B	R	R	R	R	R	R	R	R←Y	R	Y	R	R	R	Y	R	R	R	R					◇
ILL. RTE. 83 (ELMHURST RD.) AT U.S. RTE. 12 (RAND RD.) NEAR & FAR RIGHT SIGNALS	S/B	R	R	R	R	R	R	R	R	R	R	R	Y	R	Y	R	R	R	R					◇
ILL. RTE. 83 (ELMHURST RD.) AT U.S. RTE. 12 (RAND RD.) MAST ARM & FAR LEFT SIGNALS	S/B	R	R	R	R	R	R	R	R←Y	R	R	R	Y	R	Y	R	R	R	R					◇
ILL. RTE. 83 (ELMHURST RD.) AT FOUNDRY RD. ALL SIGNALS	S/B	R	R	R	R	G	G	G	R	R	R	R	G	G	G	G	R	R	G					◇
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	Y	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	Y	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	Y	R	R					◇
FOUNDRY RD. AT ILL. RTE. 83 (ELMHURST RD.) ALL SIGNALS	W/B	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	Y	R	R					◇
U.S. RTE. 12 (RAND RD.) AT FOUNDRY RD. NEAR AND FAR RIGHT AND MID MAST ARM SIGNALS	NW/B	Y	R	R	R	Y	R	R	R	R	R	R	R	R	R	R	R	R	R					◇
U.S. RTE. 12 (RAND RD.) AT FOUNDRY RD. LEFT TURN SIGNALS	NW/B	←Y	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	Y	R	R	R	Y	R	R	R	R	R	R	R	R	R	R	Y	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	G	G	G	R	R	R	R	R	R	R	R	R	R	G					◇
U.S. RTE. 12 (RAND RD.) AT ILL. RTE. 83 (ELMHURST RD.) LEFT TURN SIGNALS	SE/B	R	R	R	R	R	R	←G	R	R	R	R	R	R	R	R	R	R	←G					◇
U.S. RTE. 12 (RAND RD.) AT FOUNDRY RD. NEAR AND FAR RIGHT AND MID MAST ARM SIGNALS	SE/B	R	R	R	R	G	G	G	G	G	G	G	G	G	G	G	G	R	G					◇
U.S. RTE. 12 (RAND RD.) AT FOUNDRY RD. LEFT TURN SIGNALS	SE/B	R	R	R	R	R	R	←G	←G	←G	←G	←G	←G	←G	←G	←G	R	R	←G					◇

INFORMATION ONLY

TS-19

REVISIONS	
NAME	DATE

KAM ENGINEERING, INC.
CONSULTING ENGINEERS
707A Davis Road, Suite 205
Elgin, Illinois 60123-1369

ILLINOIS DEPARTMENT OF TRANSPORTATION

EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION
U.S. RTE. 12 (RAND RD.) AT ILL. RTE. 83 (ELMHURST RD.) AND FOUNDRY RD.
SHEET 1 OF 3

SCALE: NONE
DATE: JUNE 15, 2004

DRAWN BY: RV/MD
DESIGNED BY: AZ
CHECKED BY: AZ

G:\projects\JOB 337\SHT\TS-19.sht
06/09/2004