SEQUENCE OF OPERATION

MOVEMENT		↑ 6 ↓ 2				← 8 4 →						FLASH
PHASE		2+6				4+8						
INTERVAL		1	2	3A	3B	4	5	6A	6B	6C	6D	
CHANGE TO				4+8				2+6				
US RTE. 12/45 (MANNHEIM RD.) ALL SIGNALS	N/B	G	G	Y	R	R	R	R	R	R	R	R
US RTE. 12/45 (MANNHEIM RD.) ALL SIGNALS	S/B	G	G	Y	R	R	R	R	R	R	R	R
PROSPECT AVE. (EAST OF TRACKS) ALL SIGNALS	W/B	R	R	R	R	G	G	Y	R	R	R	R
PROSPECT AVE. (WEST OF TRACKS) FAR RIGHT MAST ARM SIGNAL	W/B	R	R	R	R	G	G	G	G	Y	R	R
PROSPECT AVE. (WEST OF TRACKS) FAR LEFT AND MAST ARM SIGNALS	W/B	R	R	R	R	G	G	G	G	Y	R	R
PROSPECT AVE. ALL SIGNALS	E/B	R	R	R	R	G	G	G	G	Y	R	R
PEDESTRIAN SIGNALS CROSSING PROSPECT AVE. ON WEST SIDE OF US RTE. 12/45		•W	••FL DW	DW	DW	DW	DW	DW	DW	DW	DW	DARK
PEDESTRIAN SIGNALS CROSSING US RTE. 12/45 ON SOUTH SIDE OF PROSPECT AVE.		DW	DW	DW	DW	•W	••FL DW	DW	DW	DW	DW	

EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION

									PREEMPTOR NUMBER 3	PREEMPTOR NUMBER 4	CLEAR TO NORMAL SEQUENCE
CHANGE FROM NORMAL SEQUENCE OF OPERATION INTERVAL NUMBER		1		1		4		4			
EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER		1A	1B	1C	1D	1E	1F	1G	2	3	
CHANGE TO EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER		1B	2	1D	3	1F	2	3			
US RTE. 12/45 (MANNHEIM RD.) ALL SIGNALS	N/B	G	G	G	Y	R	R	R	G	R	◇
US RTE. 12/45 (MANNHEIM RD.) ALL SIGNALS	S/B	G	G	G	Y	R	R	R	G	R	◇
PROSPECT AVE. (EAST OF TRACKS) ALL SIGNALS	W/B	R	R	R	R	Y	R	G	R	G	◇
PROSPECT AVE. (WEST OF TRACKS) FAR RIGHT MAST ARM SIGNAL	W/B	R	R	R	R	Y	R	G	R	G	◇
PROSPECT AVE. (WEST OF TRACKS) FAR LEFT AND MAST ARM SIGNALS	W/B	R	R	R	R	Y	R	G	R	G	◇
PROSPECT AVE. ALL SIGNALS	E/B	R	R	R	R	Y	R	G	R	G	◇
PEDESTRIAN SIGNALS CROSSING PROSPECT AVE. ON WEST SIDE OF US RTE. 12/45		FL DW	DW	FL DW	DW	DW	DW	DW	W	DW	◇
PEDESTRIAN SIGNALS CROSSING US RTE. 12/45 ON SOUTH SIDE OF PROSPECT AVE.		DW	DW	DW	DW	FL DW	DW	FL DW	W	DW	◇

• TO APPEAR ONLY UPON PUSHBUTTON ACTUATION

•• FLASHING "✋" IS TO TERMINATE AT THE COMPLETION OF THE PEDESTRIAN INTERVAL CLEARANCE.

◇ = 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.

RAILROAD PREEMPTION SEQUENCE OF OPERATION

									PREEMPTOR NUMBER 3	PREEMPTOR NUMBER 4	PREEMPTOR NUMBER 2		
CHANGE FROM NORMAL SEQUENCE OF OPERATION INTERVAL NUMBER		1		4									
CHANGE FROM EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER						2		3					
RAILROAD PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER		1A	1B	1C	1D	1E	1F	1G	1H	2	3	4	5	CLEAR TO NORMAL SEQUENCE
CHANGE TO RAILROAD PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER		1B	2	1D	2	1F	2	1H	2	3	4	5		
US RTE. 12/45 (MANNHEIM RD.) ALL SIGNALS	N/B	Y	R	R	R	Y	R	R	R	R	R	R	G	△
US RTE. 12/45 (MANNHEIM RD.) ALL SIGNALS	S/B	Y	R	R	R	Y	R	R	R	R	R	R	G	△
PROSPECT AVE. (EAST OF TRACKS) ALL SIGNALS	W/B	R	R	Y	R	R	R	Y	R	R	R	R	R	△
PROSPECT AVE. (WEST OF TRACKS) FAR RIGHT MAST ARM SIGNAL	W/B	R	R	G	G	R	R	G	G	G	Y	R	R	△
PROSPECT AVE. (WEST OF TRACKS) FAR LEFT AND MAST ARM SIGNALS	W/B	R	R	G	G	R	R	G	G	G / G	Y	R	R	△
PROSPECT AVE. ALL SIGNALS	E/B	R	R	Y	R	R	R	Y	R	R	R	R	R	△
PEDESTRIAN SIGNALS CROSSING PROSPECT AVE. ON WEST SIDE OF US RTE. 12/45		FL DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	△
PEDESTRIAN SIGNALS CROSSING US RTE. 12/45 ON SOUTH SIDE OF PROSPECT AVE.		DW	DW	FL DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	△
INTERNALLY ILLUMINATED NO RIGHT TURN SIGNS		NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	△
INTERNALLY ILLUMINATED NO LEFT TURN SIGNS		NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	△
													HOLD	

△ = RAILROAD PREEMPTION SEQUENCE SHALL PROVIDE THE PROPER CLEARANCE INTERVAL TO RESUME THE NORMAL SEQUENCE OF OPERATION OR PROPER CLEARANCE INTERVAL TO DISPLAY AN EMERGENCY VEHICLE INTERVAL (IF APPLICABLE) AFTER RAILROAD PREEMPTION INTERVAL 5 IS TERMINATED.

NRT = "NO RIGHT TURN" OR

NLT = "NO LEFT TURN" OR

W = ILLUMINATED PERSON = WALK

FL DW = ILLUMINATED FLASHING HAND = FLASHING DON'T WALK

DW = ILLUMINATED SOLID HAND = DON'T WALK

SAM SCHWARTZ ENGINEERING
3100 W. HIGGINS, STE. 100, HOFFMAN ESTATES, IL 60169

DESIGNED - JAM		REVISED -
DRAWN - JAM		REVISED -
CHECKED - LMM		REVISED -
DATE - 10-14-13		REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE, US. 12/45 (MANNHEIM ROAD) AND PROSPECT AVENUE

SCALE: NONE | SHEET | OF | SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2013-054TS	COOK	99	33
		CONTRACT NO. 60X15		
	ILLINOIS FED. AID PROJECT			