F. A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
	08-00146-00-TL	COOK	273	132
STA.		TO STA.		
FED. ROAD DIST. NO	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 63003

EXISTING SEQUENCE OF OPERATION

MOVEMENT	5 → 1							← 6, ← 1			5 → 2 →, ←					2 →, ← 6						3 8					4, 8				
PHASE	1+5							1+6			2+5					2+6						3+8					4+8				
INTERVAL	1	2A	2B	2C	3	4A	4B	4C	5	6	7	8	9	10A	10B	10C	11	12	13A	13B	13C	13D	14	15	16A	16B	17	18	19	20A	20B	
CHANGE TO		1+6			2+5	2+6			~~6~~	~~6~~	2+6	~~6~~	~~6~~	2+6					3+8 4+8					~~6~~	1+5 1+6 2+5 2+6		4+8			1+5 1+6 2+5 2+6		FLASH
MAIN ST (WEST OF TRACKS) CANTILEVER & NEAR LEFT SIGNALS E/B	R ◄G	R ◄Y	R	R	R ◄G	R ◄Y	R	R	R	R	R	G ◄G	G ◄G	G ◄Y	G	G	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R
MAIN ST (WEST OF TRACKS) NEAR RIGHT SIGNAL E/B	R	R	R	R	R	R	R	R	R	R	R	G	G	G	G	G	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R
MAIN ST (EAST OF TRACKS) END MAST ARM & FAR LEFT SIGNALS E/B	R ◄G	R ◄G	R ◄G	R ◄Y	R ◄G	R ◄G	R ◄G	R ◄Y	R	R	R	G ◄G	G ◄G	G ◄G	G ◄G	G ◄Y	G	G	G	G	Y	R	R	R	R	R	R	R	R	R	R	R
MAIN ST (EAST OF TRACKS) FAR RIGHT SIGNAL E/B	R	R	R	R	R	R	R	R	R	R	R	G	G	G	G	G	G	G	G	G	Y	R	R	R	R	R	R	R	R	R	R	R
MAIN ST END MAST ARM AND FAR LEFT SIGNALS W/B	R ◄G	R ◄G	R ◄G	R ◄G	R ◄Y	R ◄G	R ◄G	R ◄Y	G ◄G	G ◄G	G ◄Y	R	R	R	R	R	G	G	G	G	Y	R	R	R	R	R	R	R	R	R	R	R
MAIN ST NEAR RIGHT & FAR RIGHT SIGNALS W/B	R	R	R	R	R	R	R	R	G	G	G	R	R	R	R	R	G	G	G	G	Y	R	R	R	R	R	R	R	R	R	R	R
STATE/YOUNG ST END 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	G ◄G	G ◄G	Y	R	G ◄Y	G	G	Y	R	R
STATE/YOUNG ST NEAR RIGHT & 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	G	G	Y	R	G	G	G	Y	R	R
STATE/YOUNG ST ALL 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	G	G	Y	R	R
PEDESTRIAN SIGNALS CROSSING MAIN ST EAST SIDE OF STATE/YOUNG ST	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	*P	**FH	H	H	H	*P	**FH	H	H	DARK
PEDESTRIAN SIGNALS CROSSING STATE ST NORTH SIDE OF MAIN ST	H	H	H	H	H	H	H	H	*P	*FH	H	H	H	H	H	H	*P	**FH	H	H	H	H	H	H	H	H	H	H	H	H	H	
PEDESTRIAN SIGNALS CROSSING STATE ST SOUTH SIDE OF MAIN ST	H	H	H	H	H	H	H	H	H	H	H	*P	**FH	H	H	H	*P	**FH	H	H	H	H	H	H	H	H	H	H	H	H	H	

NOTES

* – TO APPEAR ONLY UPON PUSHBUTTON ACTUATION

** – FLASHING "DON'T WALK" IS TO TERMINATE AT THE COMPLETION OF THE PEDESTRIAN CLEARANCE INTERVAL

~~6~~ – THIS "WALK" OR FLASHING "DON'T WALK" INTERVAL MAY FINISH TIMING IN THE BI-DIRECTIONAL STRAIGHT THROUGH MOVEMENT IF THE LEFT ARROW TIME IS NOT SUFFICIENT TO COMLETE THE "WALK" OR FLASHING "DON'T WALK" INTERVALS. "WALK" AND FLASHING "DON'T WALK" TIMINGS TO BE SET ONLY ON PHASES WHERE "WALK" AND FLASHING "DON'T WALK" INTERVALS ARE INDICATED IN THE SEQUENCE OF OPERATION.

P = ILLUMINATED PERSON = WALK

FH = ILLUMINATED FLASHING HAND = FLASHING DON'T WALK

H = ILLUMINATED SOLID HAND = DON'T WALK

PROPOSED RAILROAD PEREEMPTION SEQUENCE OF OPERATION

														EVP PREEMPTOR NO. 3		EVP PREEMPTOR NO. 4		EVP PREEMPTOR NO. 5		RAILROAD PREEMPTOR NO. 2											
NORMAL INTERVAL	1	5			8			11			14			18																		CLEARANCE TO NORMAL SEQUENCE
EMERGENCY VEHICLE PREEMPTION INTERVAL																3A	3B	4A	4B	5A	5B											
RAILROAD INTERVAL	1A	1B	1C	1D	1E	1F	1G	1H	1J	1K	1L	1M	1N	1P	1Q	1R	1S	1T	1U	1V	1W	2A	2B	2C	2D							
CHANGE TO	2	1C	2	1E	2	1G	2	1J	2	1L	2	1N	2	1Q						1Q	2A	2B	2C	2D								
MAIN ST (WEST OF TRACKS) CANTILEVER & NEAR LEFT SIGNALS E/B	R ◄Y	R	R	Y	R	Y	R	R	R	R	R	Y		R	R	R	R	R	R	R	R	R	R	R	R							◇
MAIN ST (WEST OF TRACKS) NEAR RIGHT SIGNAL E/B		R	R	Y	R	Y	R	R	R	R	R		R	R	R	R	R	R	R	R	R	R	R	R	R							◇
MAIN ST (EAST OF TRACKS) END MAST ARM & FAR LEFT SIGNALS E/B	R ◄G			G ◄G	G ◄G	G	G	R	R		R	G ◄G	G ◄G	R	R	R	R	G ◄G	Y	R	R											◇
MAIN ST (EAST OF TRACKS) FAR RIGHT SIGNAL E/B	R	R	R		G	G	G			R	R	G	G	R	R	R	R	G	Y	R	R											◇
MAIN ST END MAST ARM AND FAR LEFT SIGNALS W/B	R ◄Y	Y	R	R				R	R	R	R	R	R	Y	R	R	R	R	R	R	R	R ◄G										◇
MAIN ST NEAR RIGHT & FAR RIGHT SIGNALS W/B	R	Y	R	R				R	R	R	R	R	R	Y	R	R	R	R	R	R	R	R										◇
STATE/YOUNG ST END MAST ARM AND FAR LEFT SIGNALS N/B	R	R	R		R	R	R	Y		Y	R	R	R	R	R	Y	R	R	R	R	R	R										◇
STATE/YOUNG ST NEAR RIGHT & FAR RIGHT SIGNALS N/B	R		R	R	R	R	R	Y	R			R	R	R	R	Y	R	R	R	R	R	R G ►										◇
STATE/YOUNG ST ALL SIGNALS S/B		R	R	R	R	R	R	R	R	Y	R		R	R	R	Y	R	R	R	R	R	R											◇
PEDESTRIAN SIGNALS CROSSING MAIN ST EAST SIDE OF STATE/YOUNG ST	H	H	H	H	H	H	H	FH	H	FH	H	H	H			H	H	H	H	H	H	H										◇
PEDESTRIAN SIGNALS CROSSING STATE ST NORTH SIDE OF MAIN ST	H	FH	H	H	H	FH	H	H	H	H	H	H	H	H	H			H	H	H	H	H										◇
PEDESTRIAN SIGNALS CROSSING STATE ST SOUTH SIDE OF MAIN ST	H	H	H	FH	H	FH	H	H	H	H	H	H	H	H	H	H	H			H	H	H										◇
INTERNALLY ILLUMINATED NO LEFT TURN SIGN	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT										◇
INTERNALLY ILLUMINATED NO RIGHT TURN SIGN	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT										◇
																										HOLD						

◇ EMERGENCY VEHICLE SEQUENCE SHALL PROVIDE PROPER CLEARANCE TO RESUME THE NORMAL SEQUENCE OF OPERATION OR PROPER CLEARANCE INTERVAL TO DISPLAY A DIFFERENT EMERGENCY VEHICLE INTERVAL AFTER FIRE PREEMPTION (IF APPLICABLE) OR EMERGENCY VEHICLE INTERVALS 3, 4, OR 5 IS TERMINATED.

NOTES

P = ILLUMINATED PERSON = WALK

FH = ILLUMINATED FLASHING HAND = FLASHING DON'T WALK

H = ILLUMINATED SOLID HAND = DON'T WALK

* – "P" SHALL APPEAR ONLY UPON PUSHBUTTON ACTIVATION.

** – "FH" SHALL TERMINATE AT THE COMPLETION OF THE PEDESTRIAN CLEARANCE INTERVAL.

NRT = "NO RIGHT TURN" OR

NLT = "NO LEFT TURN" OR

PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION

FROM NORMAL INTERVAL	1								5			8					11				14			18			EVP PREEMPTOR NO. 3	EVP PREEMPTOR NO. 4	EVP PREEMPTOR NO. 5	CLEARANCE TO NORMAL SEQUENCE
RAILROAD INTERVAL																												4	5	
EMERGENCY VEHICLE PREEMPTION INTERVAL	1A	1B	1C	1D	1E	1F	1G	1H	1J	1K	1L	1M	1N	1P	1Q	1R	1S	1T	1U	1V	1W	1X	1Y	1Z	1AA	1AB				
CHANGE TO		1C	1D	4	1F	1G	1H	5	1K	3 OR 5	4	3	1P	1Q	1R	4 OR 5	1T	1U	1V	3, 4 OR 5	1X	3 OR 4	5	1AA	3 OR 4	5				
MAIN ST (WEST OF TRACKS) CANTILEVER & NEAR LEFT SIGNALS E/B	R ◄G	◄Y			R ◄Y	R	R	R	R	R	R	G ◄G	Y	R	R	R	Y	R	R	R	R	R	R			R	G ◄G	R	R	◇
MAIN ST (WEST OF TRACKS) NEAR RIGHT SIGNAL E/B	R	R	R	R	R		R	R	R	R	R	G	Y	R	R	R	Y	R	R	R	R		R	R	R	R	G	R	R	◇
MAIN ST (EAST OF TRACKS) END MAST ARM & FAR LEFT SIGNALS E/B	R ◄G	◄G	◄G	R ◄Y	R ◄G	R ◄G	◄Y		R	R		G ◄G	G ◄G	G ◄G	Y	R	G	G			R	R	R	R	R	R	G ◄Y	R	R	◇
MAIN ST (EAST OF TRACKS) FAR RIGHT SIGNAL E/B	R	R	R	R	R	R	R	R	R			G	G	G	Y	R			Y	R	R	R	R	R	R	R	G	R	R	◇
MAIN ST END MAST ARM AND FAR LEFT SIGNALS W/B	R ◄Y	◄G	◄G	R ◄G	R ◄Y	R	R	R	Y	R	G ◄G	R			R	Y	R	R	R	R	R	R	R	R	R	R	R	G ◄G	R	◇
MAIN ST NEAR RIGHT & FAR RIGHT SIGNALS W/B	R	R	R	R	R	R	R	R	Y	R	G			R			Y	R	R	R	R	R	R	R	R	R	R	G	R	◇
STATE/YOUNG ST END MAST ARM AND FAR LEFT SIGNALS N/B	R	R	R	R	R	R	R	R	R			R	R	R	R	R			R	R	Y	R	◄Y	Y	R	G	R	R	G	◇
STATE/YOUNG ST NEAR RIGHT & 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	G	Y	R	G	R	R	G	◇
STATE/YOUNG ST ALL SIGNALS S/B	R	R	R	R	R		R	R	R	R	R	R	R	R	R	R	R	R	R	R	R			Y	R	G	R	R	G	◇
PEDESTRIAN SIGNALS CROSSING MAIN ST EAST SIDE OF STATE/YOUNG ST	H	H			H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	**FH	H	**FH	**FH			H	H	H	◇
PEDESTRIAN SIGNALS CROSSING STATE ST NORTH SIDE OF MAIN ST		H	H	H	H	H	H	H	**FH	H	**FH	H	H	H	H	H	**FH	H	H	H	H	H	H	H	H	H		H	H	◇
PEDESTRIAN SIGNALS CROSSING STATE ST SOUTH SIDE OF MAIN ST	H	H	H	H	H	H	H	H	H	H	**FH	**FH	H	H	H	H	**FH	H	H	H	H	H	H	H	H	H	H		H	◇
INTERNALLY ILLUMINATED NO LEFT TURN SIGN	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	◇
INTERNALLY ILLUMINATED NO RIGHT TURN SIGN	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	◇

◇ EMERGENCY VEHICLE SEQUENCE SHALL PROVIDE PROPER CLEARANCE TO RESUME THE NORMAL SEQUENCE OF OPERATION OR PROPER CLEARANCE INTERVAL TO DISPLAY A DIFFERENT EMERGENCY VEHICLE INTERVAL AFTER FIRE PREEMPTION (IF APPLICABLE) OR EMERGENCY VEHICLE INTERVALS 3, 4, OR 5 IS TERMINATED.

VILLAGE OF GLENWOOD
LOCATION NO. 56

★ PLANS MODIFIED BY ROBINSON ENGINEERING, LTD

REVISIONS	
NAME	DATE
★ ADDED EV PREEMPTION	01/02/08

ILLINOIS DEPARTMENT OF TRANSPORTATION

PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION
MAIN STREET & YOUNG STREET (STATE STREET)

SCALE: VERT. HORIZ.

DATE

DRAWN BY

CHECKED BY

ROBINSON ENGINEERING, LTD.
17030 SOUTH PARK AVENUE SOUTH HOLLAND, ILLINOIS 60473
(708) 331-4700 FAX (708) 331-9526
ILLINOIS DESIGN FIRM REGISTRATION NO. 184001126

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