CONTRACT NO. 62882

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	*	McHENRY	502	285
STA. 9+35.22	TO STA.142+08.53			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION

CHANGE FROM NORMAL SEQUENCE OF OPERATION INTERVAL NUMBER	1				1		1				5					5	8	8			11
EMERGENCY VEHICLE PRE-EMPTION 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
CHANGE TO EMERGENCY VEHICLE PRE-EMPTION SEQUENCE OF OPERATION INTERVAL NUMBER	1B	1C	1D	2	1F	4	1F	1G	1K	3, 5	1M	1N	1P	1Q	2, 3, 5	4	2	1U	1V	3, 4, 5	1X
ILLINOIS ROUTE 47 N/B NEAR RIGHT AND FAR RIGHT SPAN WIRE SIGNALS	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	G	Y	R	G
ILLINOIS ROUTE 47 N/B TWO FAR LEFT SPAN WIRE SIGNALS WITH LEFT TURN ARROWS	←G	←G	←G	←G	←Y	←R	←Y	←R	←R	←R	←R	←R	←R	←R	←R	←R	←G	←G	←Y	R	←R
ILLINOIS ROUTE 47, NORTH OF TRACK S/B RIGHT LOW MOUNT AND TWO RIGHT SPAN WIRE SIGNALS	R	R	R	R	R	R	R	R	R	R	G	Y	R	R	R	G	R	R	R	R	G
ILLINOIS ROUTE 47, NORTH OF TRACK S/B LOW MOUNT IN BARREL (ON LEFT) AND TWO LEFT SPAN WIRE SIGNALS WITH LEFT TURN ARROWS	←Y	←R	←R	←R	←G	←G	←Y	←R	←R	←R	←G	←Y	←R	←R	←R	←G	←R	←R	←R	←R	←R
ILLINOIS ROUTE 47, SOUTH OF TRACK S/B NEAR RIGHT AND TWO FAR RIGHT SPAN WIRE SIGNALS	R	R	R	R	R	R	R	R	R	R	G	G	G	Y	R	G	R	R	R	R	G
ILLINOIS ROUTE 47, SOUTH OF TRACK S/B TWO FAR LEFT SPAN WIRE SIGNALS WITH LEFT TURN ARROWS	←G	←G	←Y	←Y	←G	←G	←G	←G	←Y	←R	←G	←G	←G	←Y	←R	←G	←R	←R	←R	←R	←R
MAIN STREET. E/B NEAR SIDE RIGHT SPAN WIRE SIGNAL	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
MAIN STREET, EAST OF TRACK E/B FAR SPAN WIRE SIGNALS	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
MAIN STREET, EAST OF TRACK W/B LOW MOUNT IN BARREL (ON LEFT), SPAN WIRE, AND RIGHT LOW MOUNT SIGNALS	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
MAIN STREET, WEST OF TRACK W/B FAR SPAN WIRE SIGNALS	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
PEDESTRIAN SIGNALS CROSSING MAIN STREET. ON EAST SIDE OF ILLINOIS ROUTE 47.	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	FH	FH	H	H	FH
PEDESTRIAN SIGNALS CROSSING MAIN STREET. ON WEST SIDE OF ILLINOIS ROUTE 47.	H	H	H	H	H	H	H	H	H	H	FH	H	H	H	H	FH	H	H	H	H	FH
PEDESTRIAN SIGNALS CROSSING ILLINOIS ROUTE 47. ON NORTH SIDE OF MAIN STREET.	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H
PEDESTRIAN SIGNALS CROSSING ILLINOIS ROUTE 47. ON SOUTH SIDE OF MAIN STREET.	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H

																							PREEMPTOR NUMBER 3	PREEMPTOR NUMBER 4	PREEMPTOR NUMBER 5	PREEMPTOR NUMBER 6	
CHANGE FROM NORMAL SEQUENCE OF OPERATION INTERVAL NUMBER	11				11			11						16			16	19					19					CLEAR TO NORMAL SEQUENCE
EMERGENCY VEHICLE PRE-EMPTION SEQUENCE OF OPERATION INTERVAL NUMBER	1X	1Y	1Z	1AA	1BB	1CC	1DD	1EE	1FF	1GG	1HH	1JJ	1KK	1LL	1MM	1NN	1PP	1QQ	1RR	1SS	1TT	1VV	2	3	4	5	
CHANGE TO EMERGENCY VEHICLE PRE-EMPTION SEQUENCE OF OPERATION INTERVAL NUMBER	1Y	1Z	1AA	1BB	1CC	1DD	4	1FF	1GG	1HH	1JJ	3, 5	1LL	1MM	2, 4, 5	1PP	1QQ	1RR	1SS	1TT	2, 3, 4	5					
ILLINOIS ROUTE 47 N/B NEAR RIGHT AND FAR RIGHT SPAN WIRE SIGNALS	G	G	G	G	G	Y	R	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	G	R	R	R	◇
ILLINOIS ROUTE 47 N/B TWO FAR LEFT SPAN WIRE SIGNALS WITH LEFT TURN ARROWS	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←G	←R	←R	←R	◇
ILLINOIS ROUTE 47, NORTH OF TRACK S/B RIGHT LOW MOUNT AND TWO RIGHT SPAN WIRE SIGNALS	Y	R	R	R	G	G	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	R	◇
ILLINOIS ROUTE 47, NORTH OF TRACK S/B LOW MOUNT IN BARREL (ON LEFT) AND TWO LEFT SPAN WIRE SIGNALS WITH LEFT TURN ARROWS	←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	←R	◇
ILLINOIS ROUTE 47, SOUTH OF TRACK S/B NEAR RIGHT AND TWO FAR RIGHT SPAN WIRE SIGNALS	G	G	Y	R	G	G	G	G	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	G	R	◇
ILLINOIS ROUTE 47, SOUTH OF TRACK S/B TWO FAR LEFT SPAN WIRE SIGNALS WITH LEFT TURN ARROWS	←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	←R	◇
MAIN STREET. E/B NEAR SIDE RIGHT SPAN WIRE SIGNAL	R	R	R	R	R	R	R	R	R	R	R	R	G	Y	R	G	R	R	R	R	R	R	R	G	R	R	◇
MAIN STREET, EAST OF TRACK E/B FAR SPAN WIRE SIGNALS	R	R	R	R	R	R	R	R	R	R	R	R	G ←G	Y	R	G ←G	R	R	R	R	R	R	R	G ←G	R	R	◇
MAIN STREET, EAST OF TRACK W/B LOW MOUNT IN BARREL (ON LEFT), SPAN WIRE, AND RIGHT LOW MOUNT SIGNALS	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	Y	R	R	R	G	R	R	R	G	◇
MAIN STREET, WEST OF TRACK W/B FAR SPAN WIRE SIGNALS	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G ←G	G ←G	G ←G	Y	R	G ←G	R	R	R	G ←G	◇
PEDESTRIAN SIGNALS CROSSING MAIN STREET. ON EAST SIDE OF ILLINOIS ROUTE 47.	H	H	H	H	FH	H	H	FH	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	◇
PEDESTRIAN SIGNALS CROSSING MAIN STREET. ON WEST SIDE OF ILLINOIS ROUTE 47.	H	H	H	H	FH	H	H	FH	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	◇
PEDESTRIAN SIGNALS CROSSING ILLINOIS ROUTE 47. ON NORTH SIDE OF MAIN STREET.	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	FH	H	H	H	H	FH	H	H	H	H	◇
PEDESTRIAN SIGNALS CROSSING ILLINOIS ROUTE 47. ON SOUTH SIDE OF MAIN STREET.	H	H	H	H	H	H	H	H	H	H	H	H	FH	H	H	FH	H	H	H	H	H	H	H	H	H	H	◇

TEMPORARY RAILROAD PREEMPTION SEQUENCE OF OPERATION

															PREEMPTOR NUMBER 3		PREEMPTOR NUMBER 4		PREEMPTOR NUMBER 5		PREEMPTOR NUMBER 6				PREEMPTOR NUMBER 2				
CHANGE FROM NORMAL SEQUENCE OF OPERATION INTERVAL NUMBER	1		5		8		11		16		19																		
CHANGE FROM EMERGENCY VEHICLE PREEMPTION SEQUENCE INTERVAL NUMBER															2		3		4		5								
RAILROAD 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	1X	1Y	1Z	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	1K	2	1M	1N	1P	2											3	4	5		
ILLINOIS ROUTE 47 N/B NEAR RIGHT AND FAR RIGHT SPAN WIRE SIGNALS	R	R	R	R	Y	R	Y	R	R	R	R	R	R	R	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	△
ILLINOIS ROUTE 47 N/B TWO FAR LEFT SPAN WIRE SIGNALS WITH LEFT TURN ARROWS	←Y	←R	←R	←R	←Y	←R	←R	←R	←R	←R	←R	←R	←R	←R	←Y	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	△
ILLINOIS ROUTE 47, NORTH OF TRACK S/B RIGHT LOW MOUNT AND TWO RIGHT SPAN WIRE SIGNALS	R	R	Y	R	R	R	Y	R	R	R	R	R	R	R	R	R	R	R	Y	R	R	R	R	R	R	R	R	R	△
ILLINOIS ROUTE 47, NORTH OF TRACK S/B LOW MOUNT IN BARREL (ON LEFT) AND TWO LEFT SPAN WIRE SIGNALS WITH LEFT TURN ARROWS	←Y	←R	←Y	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←Y	←R	←R	←R	←R	←R	←R	←R	←R	←R	△
ILLINOIS ROUTE 47, SOUTH OF TRACK S/B NEAR RIGHT AND TWO FAR RIGHT SPAN WIRE SIGNALS	R	R	G	G	R	R	G	G	R	R	R	R	R	R	R	R	R	R	G	G	R	R	R	R	G	Y	R	R	△
ILLINOIS ROUTE 47, SOUTH OF TRACK S/B TWO FAR LEFT SPAN WIRE SIGNALS WITH LEFT TURN ARROWS	←G	←G	←G	←G	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←G	←G	←R	←R	←R	←R	←G	←Y	←R	R	△
MAIN STREET. E/B NEAR SIDE RIGHT SPAN WIRE SIGNAL	R	R	R	R	R	R	R	R	Y	R	R	R	R	R	R	R	Y	R	R	R	R	R	R	R	R	R	R	R	△
MAIN STREET, EAST OF TRACK E/B FAR SPAN WIRE SIGNALS	R	R	R	R	R	R	R	R	Y	R	R	R	R	R	R	R	Y	R	R	R	R	R	R	R	R	R	R	R	△
MAIN STREET, EAST OF TRACK W/B LOW MOUNT IN BARREL (ON LEFT), SPAN WIRE, AND RIGHT LOW MOUNT SIGNALS	R	R	R	R	R	R	R	R	R	R	Y	R	R	R	R	R	R	R	R	R	Y	R	R	R	R	R	R	G	△
MAIN STREET, WEST OF TRACK W/B FAR SPAN WIRE SIGNALS	R	R	R	R	R	R	R	R	R	R	G ←G	G ←G	Y	R	R	R	R	R	R	R	G ←G	G ←G	Y	R	R	R	R	G ←G	△
PEDESTRIAN SIGNALS CROSSING MAIN STREET. ON EAST SIDE OF ILLINOIS ROUTE 47.	H	H	H	H	FH	H	FH	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	△
PEDESTRIAN SIGNALS CROSSING MAIN STREET. ON WEST SIDE OF ILLINOIS ROUTE 47.	H	H	FH	H	H	H	FH	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	△
PEDESTRIAN SIGNALS CROSSING ILLINOIS ROUTE 47. ON NORTH SIDE OF MAIN STREET.	H	H	H	H	H	H	H	H	H	H	FH	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	△
PEDESTRIAN SIGNALS CROSSING ILLINOIS ROUTE 47. ON SOUTH SIDE OF MAIN STREET.	H	H	H	H	H	H	H	H	FH	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	△
																												HOLD	

◇ 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, 3, 4, OR 5 IS TERMINATED.

△ 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.

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.

GANDHI AND ASSOCIATES, INC.
ENGINEERS AND PLANNERS
6036 N. NORTHWEST HIGHWAY
SUITE 306
CHICAGO, ILLINOIS 60631 TEL. (773) 774-5910

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION
ILLINOIS ROUTE 47 AT MAIN STREET
PRE-STAGE, STAGE 1, STAGE 1B, STAGE 1C, STAGE 2, STAGE 2B, STAGE 2C, AND AFTER ALL THE PROPOSED ROADWAY GEOMETRICS ARE BUILT AND OPEN TO TRAFFIC.
(SHEET 2 OF 2)

SCALE: NONE
DATE: APRIL 17, 2009
DRAWN BY: MAA
DESIGNED BY: PKG/RRM
CHECKED BY: PKG/RRM

PLOT DATE = Wednesday, August 05, 2009
FILE NAME = S:\11-CADD\01-sht\285_t18.dgn
PLOT SCALE = 1:1
USER NAME = 3830

..#112_118-IL47@MAIN_EVP_PS.dgn
/24/2009
_:08:32 PM