

PROPOSED SEQUENCE OF OPERATION

MOVEMENT	→N	↗	↖	←3	↘C	F	L	A	S	H					
PHASE	2+5		2+6		3		4								
INTERVAL	1	2A	2B	3	4A	4B	5	6A	6B	7	8A	8B	8C	8D	
CHANGE TO	2+6		2+5 3 4		4 2+5 2+6		2+5 2+6								
IL ROUTE 137 NEAR LEFT AND TWO FAR LEFT SPAN WIRE SIGNALS	NWB	←G	←Y	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R
IL ROUTE 137 NEAR RIGHT AND TWO FAR RIGHT SPAN WIRE SIGNALS	NWB	G	G	G	Y	R	R	R	R	R	R	R	R	R	R
IL ROUTE 83 NEAR LEFT AND TWO FAR LEFT SPAN WIRE SIGNALS	SEB	R	R	R	G	Y	R	R	R	R	R	R	R	R	R
IL ROUTE 83 TWO NEAR RIGHT AND FAR RIGHT SPAN WIRE SIGNALS	SEB	R→	R→	R→	G→	Y→	R→	R→	R→	R→	R→	R→	R→	R→	R→
IVANHOE ROAD NEAR SIDE SPAN WIRE SIGNAL	SB	R	R	R	R	R	R	G	Y	R	R	R	R	R	R
IVANHOE ROAD FAR SIDE SPAN WIRE SIGNALS	SB	R	R	R	R	R	R	G	Y	R	R	R	R	R	R
IL ROUTE 83 (PRE-SIGNAL) ALL SIGNALS	NB	R	R	R	R	R	R	R	R	G	Y	R	R	R	R
IL ROUTE 83 (NORTH OF TRACKS) ALL SPAN WIRE SIGNALS	NB	R	R	R	R	R	R	R	R	G	Y	R	R	R	R

PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION

	1	1	3	3	5	5	7	7	PREEMPTOR NUMBER 3	PREEMPTOR NUMBER 4	PREEMPTOR NUMBER 5	PREEMPTOR NUMBER 6									
CHANGE FROM NORMAL SEQUENCE OF OPERATION INTERVAL NUMBER	1A	1B	1C	1D	1E	1F	1G	1H	1J	1K	1L	1M	1N	1P	1Q	1R	2	3	4	5	CLEAR TO NORMAL SEQUENCE
EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER	2	1C	3,4 OR 5	1E	2,4 OR 5	1G	3	1J	2,3 OR 6	4	1M	1N	1P	2,3 OR 4	1R	5					
IL ROUTE 137 NEAR LEFT AND TWO FAR LEFT SPAN WIRE SIGNALS	NWB	←G	←Y	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←G	←R	←R	←R	◇
IL ROUTE 137 NEAR RIGHT AND TWO FAR RIGHT SPAN WIRE SIGNALS	NWB	G	Y	R	Y	R	Y	R	R	R	R	R	R	R	R	R	G	R	R	R	◇
IL ROUTE 83 NEAR LEFT AND TWO FAR LEFT SPAN WIRE SIGNALS	SEB	R	R	R	Y	R	G	G	R	R	R	R	R	R	R	R	R	G	R	R	◇
IL ROUTE 83 TWO NEAR RIGHT AND FAR RIGHT SPAN WIRE SIGNALS	SEB	R→	R→	R→	Y→	R→	G→	G→	R→	R→	R→	R→	R→	R→	R→	R→	R→	G→	R→	R→	◇
IVANHOE ROAD NEAR SIDE SPAN WIRE SIGNAL	SB	R	R	R	R	R	R	R	Y	R	G	R	R	R	R	R	R	R	G	R	◇
IVANHOE ROAD FAR SIDE SPAN WIRE SIGNALS	SB	R	R	R	R	R	R	R	Y	R	G	R	R	R	R	R	R	R	G	R	◇
IL ROUTE 83 (PRE-SIGNAL) ALL SIGNALS	NB	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	◇
IL ROUTE 83 (NORTH OF TRACKS) ALL SPAN WIRE SIGNALS	NB	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	◇

◇ EMERGENCY VEHICLE PREEMPTION SEQUENCE SHALL PROVIDE THE PROPER CLEARANCE INTERVAL TO RESUME THE NORMAL SEQUENCE OF OPERATION OR PROPER CLEARANCE INTERVAL TO DISPLAY A DIFFERENT EMERGENCY VEHICLE PREEMPTION INTERVAL AFTER EMERGENCY VEHICLE PREEMPTION INTERVAL 2, 3, 4 OR 5 IS TERMINATED.

PROPOSED RAILROAD PREEMPTION SEQUENCE OF OPERATION

	1	3	5	7	PREEMPTOR NUMBER 3	PREEMPTOR NUMBER 4	PREEMPTOR NUMBER 5	PREEMPTOR NUMBER 6	PREEMPTOR NUMBER 2												
CHANGE FROM NORMAL SEQUENCE OF OPERATION INTERVAL NUMBER	1A	1B	1C	1D	1E	1F	1G	1H	1J	1K	1L	1M	1N	1P	1Q	1R	2	3	4	5	CLEAR TO NORMAL SEQUENCE
CHANGE FROM EMERGENCY VEHICLE PREEMPTION SEQUENCE INTERVAL NUMBER																					
RAILROAD PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER	1A	1B	1C	1D	1E	1F	1G	1H	1J	1K	1L	1M	1N	1P	1Q	1R	2	3	4	5	
CHANGE TO RAILROAD PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER	1B	2	1D	2	1F	2	1H	2	1K	2	1M	2	1P	2	1R	2	3	4	5		
IL ROUTE 137 NEAR LEFT AND TWO FAR LEFT SPAN WIRE SIGNALS	NWB	←Y	←R	←R	←R	←R	←R	←R	←Y	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	△
IL ROUTE 137 NEAR RIGHT AND TWO FAR RIGHT SPAN WIRE SIGNALS	NWB	Y	R	Y	R	R	R	R	Y	R	R	R	R	R	R	R	R	R	R	R	△
IL ROUTE 83 NEAR LEFT AND TWO FAR LEFT SPAN WIRE SIGNALS	SEB	R	R	Y	R	R	R	R	R	Y	R	R	R	R	R	R	R	R	R	R	△
IL ROUTE 83 TWO NEAR RIGHT AND FAR RIGHT SPAN WIRE SIGNALS	SEB	R→	R→	Y→	R→	R→	R→	R→	Y→	R→	R→	R→	R→	R→	R→	R→	R→	R→	R→	R→	△
IVANHOE ROAD NEAR SIDE SPAN WIRE SIGNAL	SB	R	R	R	R	Y	R	R	R	R	R	Y	R	R	R	R	R	R	R	R	△
IVANHOE ROAD FAR SIDE SPAN WIRE SIGNALS	SB	R	R	R	R	Y	R	R	R	R	R	Y	R	R	R	R	R	R	R	R	△
IL ROUTE 83 (PRE-SIGNAL) ALL SIGNALS	NB	R	R	R	R	R	Y	R	R	R	R	R	R	R	Y	R	R	R	R	R	△
IL ROUTE 83 (NORTH OF TRACKS) ALL SPAN WIRE SIGNALS	NB	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	△

△ 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 PREEMPTION INTERVAL (IF APPLICABLE) AFTER RAILROAD PREEMPTION INTERVAL 5 IS TERMINATED.

HOLD

NOTE:
THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.



USER NAME = eds
FILE NAME = ...N06-R03-TCP_Sequences.dwg
PLOT SCALE = 20:0000
PLOT DATE = 2/2/2012

DESIGNED - BRD
DRAWN - MFB
CHECKED - JJE
DATE - 02/06/12

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 83 AT IL ROUTE 137 AND IVANHOE ROAD
SEQUENCE OF OPERATION, PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE
OF OPERATION, PROPOSED RAILROAD PREEMPTION SEQUENCE OF OPERATION
SCALE: N.T.S. SHEET NO. 3 OF 3 SHEETS STA. TO STA.

F.A.U. RTE. 198 SECTION 00-00045-00-PV COUNTY LAKE TOTAL SHEETS 195 SHEET NO. 108 CONTRACT NO. 63640
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT