24V DC Monitor

Preempt Interlock (Relay & Controller Harness)

Preempt No. 1

Supervision Fail

Preempt No. 2

Railroad Preempt

Preempt No. 2

CR1 and CR2 are 120VAC 3PDT Relays.

CR1

PREEMPT RELAY

CR2

SUPERVISORY RELAY

Logic Common LC

Separate shielded conductors

All three shields shall be isolated at the railroad facility end.

#10 AWG to AC-

All three shields

Railroad relay

RELAYS IN NON-PREEMPT STATE - RAILROAD AND PREEMPT RELAYS ENERGIZED

GENERAL NOTES

Supervision Fail is Preempt No. 1, causing traffic signal controller to implement all red flash following track clearance phase.

Railroad Preempt is Preempt No. 2, causing traffic signal controller to implement railroad preemption routine following 2 second delay.

Preempt No. 1 and Preempt No. 2 shall have priority over all other preempts. The railroad preemption routine shall abbreviate each and all active pedestrian phases by immediately entering into flashing DON'T WALK and timing concurrently with the associated vehicle yellow change interval.

Illinois Department of Transportation

January 1, 2009

REVISIONS

1-1-09

1-1-04

PASSED

ENGINEER OF OPERATIONS

ISSUED

DATE

SUPERVISED RAILROAD

INTERCONNECT CIRCUIT

STANDARD 857006-01