

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	99&A21 R-349-1MB-1-BR-2	WILL	303	111
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

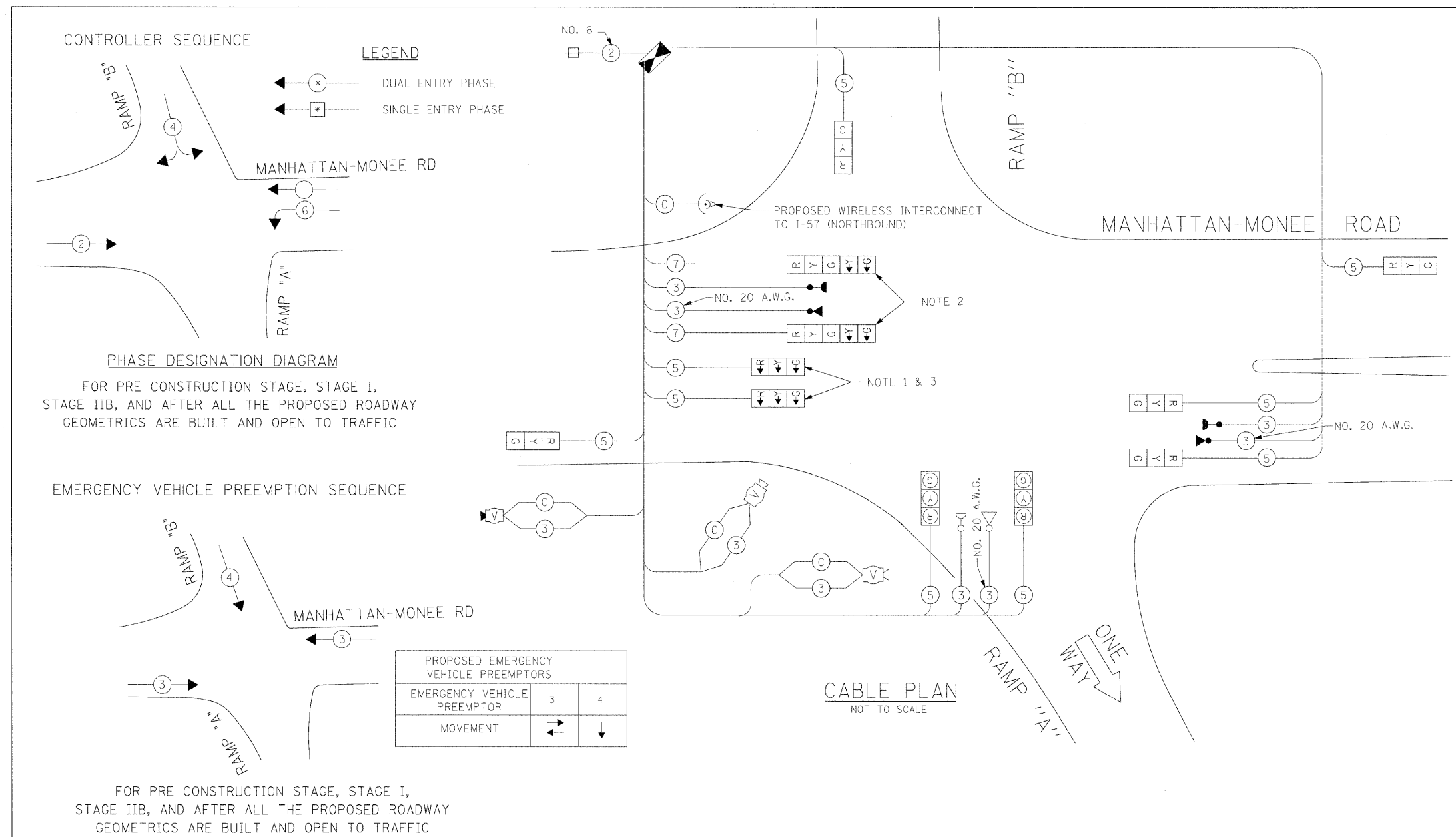
CONTRACT NO. 62253

TEMPORARY CABLE DIAGRAM LEGEND

	PROPOSED	EXISTING
TEMPORARY TRAFFIC SIGNAL SECTION OR PEDESTRIAN SIGNAL SECTION 12" (300mm)		
TEMPORARY CONTROLLER CABINET		
TEMPORARY SERVICE INSTALLATION		
INDICATES NUMBER OF CONDUCTORS IN CABLE. ALL CONDUCTORS TO BE NUMBER 14 AWG WIRE UNLESS OTHERWISE NOTED.		
EMERGENCY VEHICLE LIGHT DETECTOR		
CONFIRMATION BEACON		
12" (300mm) PEDESTRIAN SIGNAL SECTION		
VIDEO CAMERA ASSEMBLY		
COAXIAL CABLE		
WIRELESS INTERCONNECT		

- NOTES:
- ALL THE VIDEO DETECTION ZONES SHALL BE REDEFINED FOR EACH CONSTRUCTION STAGE. THIS WORK IS INCIDENTAL TO THE PAY ITEM "TEMPORARY TRAFFIC SIGNAL INSTALLATION"
 - FROM THE PROPOSED TEMPORARY TRAFFIC SIGNAL INSTALLATION THE CONTRACTOR SHALL REMOVE THE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM DETECTOR UNITS, INCLUDING THE CONFIRMATION BEACONS, AND THE PHASING UNIT AND INSTALL THEM ON THE NEW TRAFFIC SIGNAL INSTALLATION AS SHOWN IN THE PLAN AND AS DIRECTED BY THE ENGINEER.

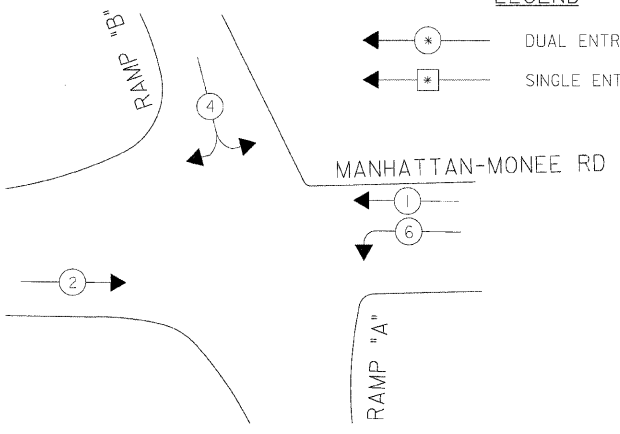
ALL THE SIGNAL HEADS SHALL BE L.E.D. TYPE.



CONTROLLER SEQUENCE

LEGEND

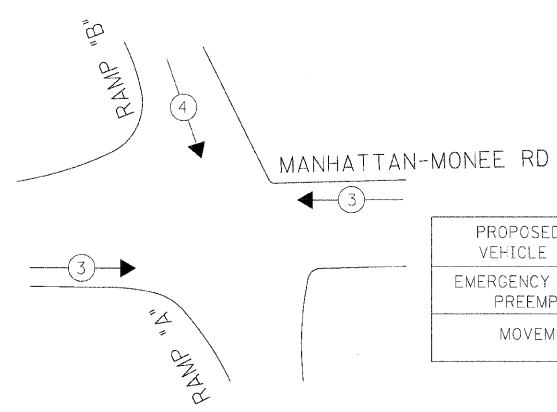
- DUAL ENTRY PHASE
- SINGLE ENTRY PHASE



PHASE DESIGNATION DIAGRAM

FOR PRE CONSTRUCTION STAGE, STAGE I, STAGE IIB, AND AFTER ALL THE PROPOSED ROADWAY GEOMETRICS ARE BUILT AND OPEN TO TRAFFIC

EMERGENCY VEHICLE PREEMPTION SEQUENCE



EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT		

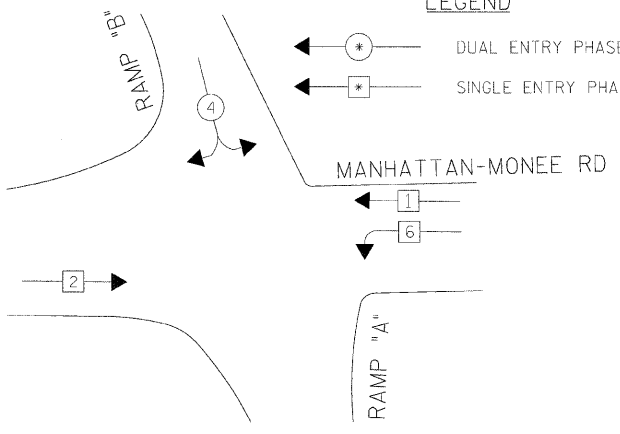
FOR PRE CONSTRUCTION STAGE, STAGE I, STAGE IIB, AND AFTER ALL THE PROPOSED ROADWAY GEOMETRICS ARE BUILT AND OPEN TO TRAFFIC

CABLE PLAN NOT TO SCALE

CONTROLLER SEQUENCE

LEGEND

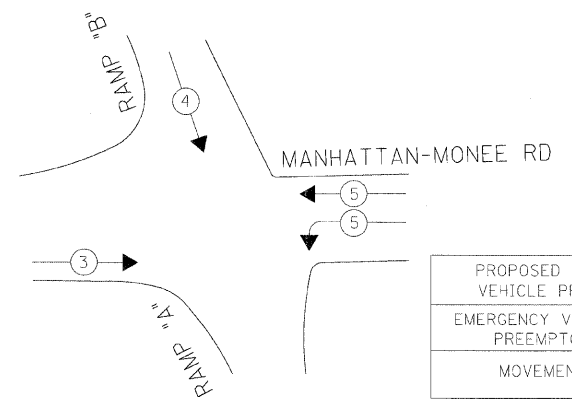
- DUAL ENTRY PHASE
- SINGLE ENTRY PHASE



PHASE DESIGNATION DIAGRAM

FOR CONSTRUCTION STAGE IIA, STAGE IIIA, AND STAGE IIIB

EMERGENCY VEHICLE PREEMPTION SEQUENCE



FOR CONSTRUCTION STAGE IIA, STAGE IIIA, AND STAGE IIIB

EMERGENCY VEHICLE PREEMPTOR	3	4	5
MOVEMENT			

- NOTE 1 THE PROPOSED PROTECTED LEFT TURN SIGNAL HEADS, WITH ENGINEER'S APPROVAL, MAY BE INSTALLED AT THE TIME THE TEMPORARY SIGNAL IS CONSTRUCTED. THESE SIGNAL HEADS WILL NOT BE NEEDED UNTIL TRAFFIC LANES ARE SHIFTED FOR STAGE IIA CONSTRUCTION. THE SIGNAL HEADS SHALL BE BAGGED UNTIL THEY ARE PLACED IN OPERATION.
- NOTE 2 THE GREEN AND YELLOW LEFT TURN ARROW INDICATIONS SHALL BE BAGGED AND DISCONNECTED PRIOR TO THE CONNECTION AND UNBAGGING OF THE PROTECTED LEFT TURN SIGNAL INDICATIONS FOR WESTBOUND MANHATTAN-MONEE ROAD FOR STAGE IIA, IIIA, AND IIIB CONSTRUCTION.
- NOTE 3 AT THE COMPLETION OF STAGE IIIB CONSTRUCTION, AFTER ALL THE PROPOSED ROADWAY GEOMETRICS ARE IN PLACE PRIOR TO NEW PERMANENT SIGNAL BECOMES OPERATIONAL, THE PROTECTED LEFT TURN SIGNAL HEADS FOR WESTBOUND MANHATTAN-MONEE ROAD SHALL BE REMOVED AND THE LEFT TURN ARROW INDICATION SECTIONS IN THE 5-SECTION SIGNAL HEADS SHALL BE UNBAGGED AND PLACED BACK IN OPERATION.

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO LAMPS	WATTAGE		% OPERATION	
		INCAND.	LED		
SIGNAL (RED)	11	135	17	0.50	93.5
(YELLOW)	11	135	25	0.25	68.75
(GREEN)	11	135	15	0.25	41.25
ARROW	4	135	12	0.10	4.8
PED. SIGNAL	-	90	25	1.00	0.0
CONTROLLER	1	100	100	1.00	100.0
ILLUM. SIGN	-	-	-	0.05	-
FLASHER	-	-	-	0.50	-
ENERGY COSTS TO:	TOTAL =				308.3

ILLINOIS DEPARTMENT OF TRANSPORTATION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196-1096

ENERGY SUPPLY CONTACT: MR. BRIAN SURDY
PHONE: 708-235-2352
COMPANY: COMED-EDISON

NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

PROPOSED TEMPORARY CABLE PLAN, PHASE DESIGNATION DIAGRAM
MANHATTAN-MONEE ROAD AT RAMP "A" AND "B"

SCALE: NONE
DATE: 04/09/2007

DRAWN BY: KGP/RDP
DESIGNED BY: PKG
CHECKED BY: PKG

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