

SEQUENCE OF OPERATIONS

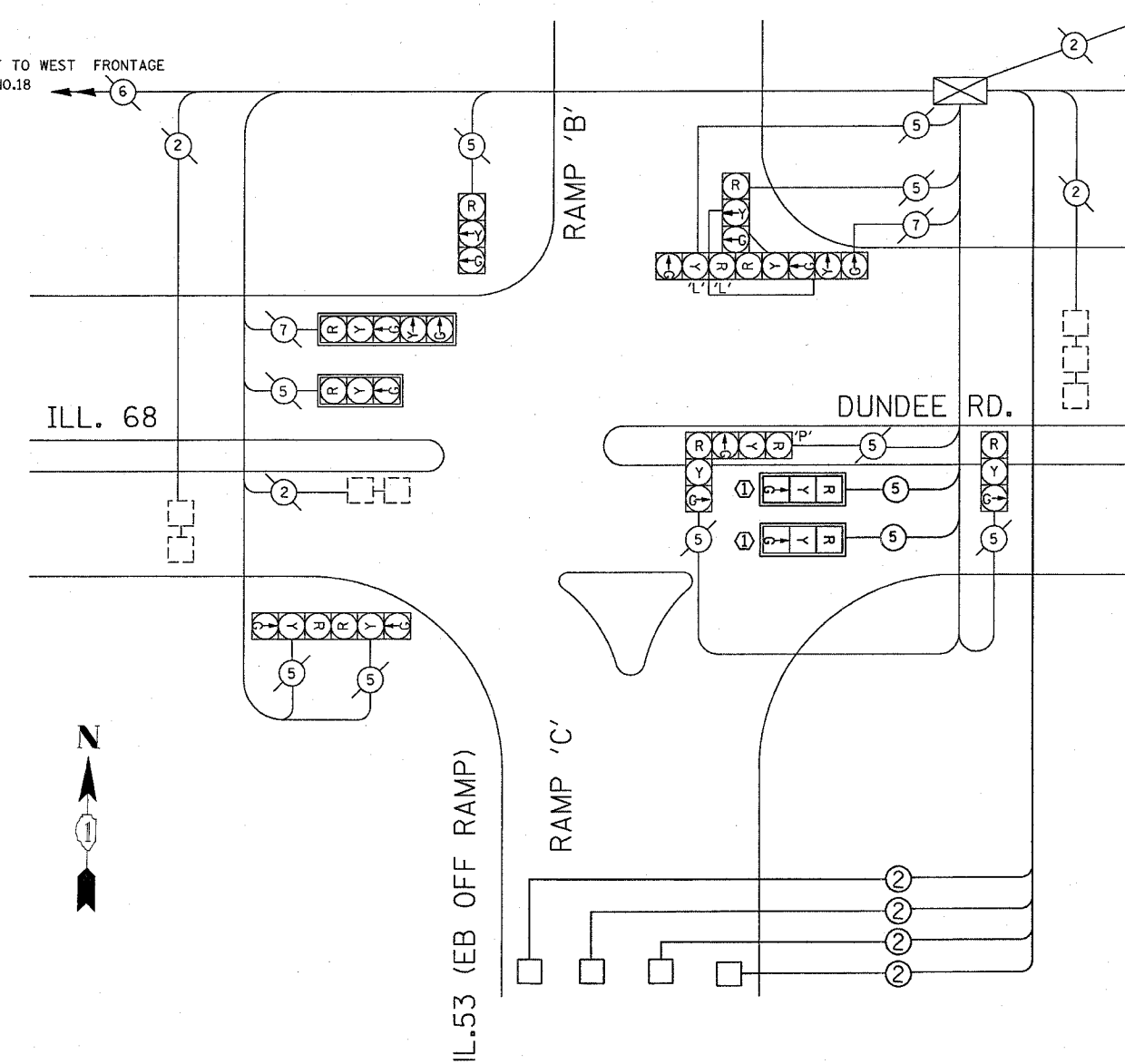
MOVEMENT	1+6			2+6			3			F L A S H
PHASE	1	2	3A 3B	4	5A 5B	6A 6B	7	8A 8B	9A 9B	S
INTERVAL	1	2	3A 3B	4	5A 5B	6A 6B	7	8A 8B	9A 9B	H
CHANGE TO	2+6	3		1+6	3	1+6	2+6			
ILL.68 E/B THRU SIGNALS AT ILL.53 E/RAMPS	I	G	Y R	I	G	Y R	R	R	R	R
ILL.68 E/B LEFT TURN SIGNALS AT ILL.53 E/RAMPS	-	G	-Y-R	-	R	-R	-R	-R	-R	-R
ILL.68 W/B NEAR & FAR SIGNALS AT ILL.53 E/RAMPS	R	R	R R	G	Y R	G	-G	-Y	R	G
ILL.68 W/B THRU SIGNALS AT ILL.53 E/RAMPS	R	R	R R	I	G	Y R	Y R	R	R	R
ILL.53 N/B RIGHT TURN SIGNALS AT ILL.68	R	R	R R	R	R	R R	G	-Y	R	Y
ILL.53 N/B LEFT TURN SIGNALS AT ILL.68	R	R	R R	R	R	R R	-G	Y	R	Y

SUMMARY OF QUANTITIES

ITEM	DESCRIPTION	UNIT	QUANTITY
44003900	MEDIAN SURFACE REMOVAL AND REPLACEMENT	SQ. FT.	25
81000600	CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL	FEET	287
81018500	CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL	FEET	120
81400200	HEAVY-DUTY HANDHOLE	EACH	2
81500200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FEET	287
85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 5/C	FEET	480
87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FEET	1756
87700220	STEEL MAST ARM ASSEMBLY & POLE, 36 FT.	EACH	1
87800400	CONCRETE FOUNDATION, TYPE "E" 30-INCH DIAMETER	FEET	15
87900200	DRILL EXISTING HANDHOLE	EACH	1
88000170	SIGNAL HEAD, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	2
88200210	TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	2
88500100	INDUCTIVE LOOP DETECTOR	EACH	4
88600100	DETECTOR LOOP, TYPE 1	FEET	180
89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
89502380	REMOVAL EXISTING HANDHOLE	EACH	2
89502385	REMOVAL EXISTING CONCRETE FOUNDATION	EACH	1
89502375	REMOVAL EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1

INTERCONNECT TO WEST FRONTAGE  
3-TWO PAIR NO.18

INTERCONNECT TO WILKE  
3-TWO PAIR NO.18



CABLE PLAN LEGEND

	PROPOSED	EXISTING
CONTROLLER CABINET	[Symbol]	[Symbol]
RAILROAD CONTROL CABINET	[Symbol]	[Symbol]
SERVICE INSTALLATION, (P) POLE OR (G) GROUND MOUNT	[Symbol]	[Symbol]
TELEPHONE CONNECTION	[Symbol]	[Symbol]
GROUND ROD AT (C) CONTROLLER, (H) HANDHOLE, (P) POST, (M) MAST ARM, OR (S) SERVICE	[Symbol]	[Symbol]
FIBER OPTIC CABLE IN CONDUIT, NUMBER OF FIBERS AS NOTED	[Symbol]	[Symbol]
ELECTRIC CABLE IN CONDUIT, NO. 14, UNLESS OTHERWISE NOTED, NUMBER OF CONDUCTORS AS NOTED	[Symbol]	[Symbol]
GROUND CABLE IN CONDUIT NO. 6 COPPER (GREEN)	[Symbol]	[Symbol]
SIGNAL FACE WITH BACKPLATE. "P" INDICATES PROGRAMMED HEAD	[Symbol]	[Symbol]
12" (300mm) RED WITH 8" (200mm) YELLOW AND GREEN TRAFFIC SIGNAL FACE	[Symbol]	[Symbol]
12" (300mm) TRAFFIC SIGNAL SECTION	[Symbol]	[Symbol]
12" (300mm) PEDESTRIAN SIGNAL SECTION	[Symbol]	[Symbol]
12" (300mm) PEDESTRIAN SIGNAL SECTION WITH COUNT-DOWN	[Symbol]	[Symbol]
PUSHBUTTON DETECTOR	[Symbol]	[Symbol]
ACCESSIBLE PEDESTRIAN PUSHBUTTON	[Symbol]	[Symbol]
ILLUMINATED SIGN "NO LEFT TURN"	[Symbol]	[Symbol]
ILLUMINATED SIGN "NO RIGHT TURN"	[Symbol]	[Symbol]
DETECTOR LOOP	[Symbol]	[Symbol]
PERFORMED DETECTOR LOOP	[Symbol]	[Symbol]
MICROWAVE VEHICLE SENSOR	[Symbol]	[Symbol]
VIDEO DETECTOR	[Symbol]	[Symbol]
CLOSED CIRCUIT TV	[Symbol]	[Symbol]
EMERGENCY VEHICLE SYSTEM DETECTOR	[Symbol]	[Symbol]
CONFIRMATION BEACON	[Symbol]	[Symbol]
CONFIRMATION BEACON	[Symbol]	[Symbol]

CABLE PLAN  
NOT TO SCALE

CONSTRUCTION NOTES:

- ① INSTALL NEW SIGNAL HEAD, 1-FACE, 3-SECTION, MAST ARM MOUNTED

I.D.O.T TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE INCAND.	WATTAGE LED	% OPERATION	
SIGNAL (RED)	13	135	17	0.50	877.50
(YELLOW)	13	135	25	0.25	438.75
(GREEN)	13	135	15	0.25	438.75
ARROW	4	135	12	0.10	54.00
PED. SIGNAL		90	25	1.00	
CONTROLLER	1	100	100	1.00	100.00
ILLUM. SIGN		84		0.05	
FLASHER				0.50	
TOTAL =					1909.00

ENERGY COSTS TO: TOTAL = 1909.00

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

ENERGY SUPPLY CONTACT:  
PHONE:  
COMPANY: COMMONWEALTH EDISON

FOUNDATION (DEPTH)	FT. (m)	CABLE SLACK	FT. (m)	VERTICAL	FT. (m)
TYPE A - POST	4 (1.2)	HANDHOLE	6.5 (2.0)	ALL FOUNDATIONS	3.5 (1.0)
D - CONTROLLER	4 (1.2)	DOUBLE HANDHOLE	13 (4.0)	MAST ARM (L) POLE	20'+L-2' (6m+L-0.6m)=
E - M. ARM POLE		SIGNAL POST	2 (0.6)	BRACKET MOUNTED	13 (4.0)
24" (600mm)	10 (3.0)	CONTROLLER CAB.	1 (0.5)	PED. PUSHBUTTON	4 (1.2)
30" (750mm)	15 (4.6)	FIBER OPTIC	13 (4.0)	ELECTRIC SERVICE	13.5 (4.1)
		ELECTRIC SERVICE	1 (0.5)	ELECTRIC SERVICE	13.5 (4.1)
		GROUND CABLE	1 (0.5)	SERVICE TO GROUND	13.5 (4.1)
				POST MOUNTED	6 (1.8)

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
CABLE PLAN,  
SEQUENCE OF OPERATIONS AND  
SCHEDULE OF QUANTITIES  
IL.53 (EAST RAMP) AT IL.68 (DUNDEE RD.)

SCALE: NONE  
DATE 2/3/2006

DRAWN BY: SN  
DESIGNED BY: SN  
CHECKED BY: DAD

PLT DATE = 2/2/2006  
FILE NAME = c:\p\projects\11050812\11050812\_11050812\11050812.dwg  
USER NAME = jgagnon