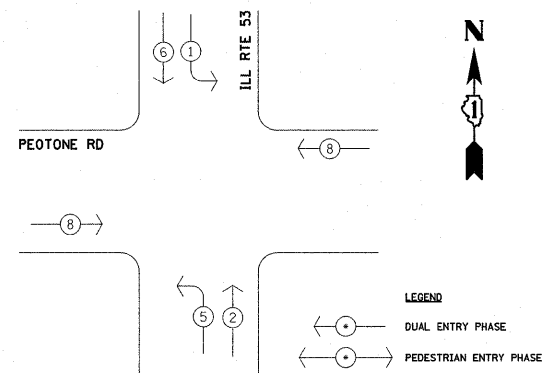


CABLE PLAN LEGEND

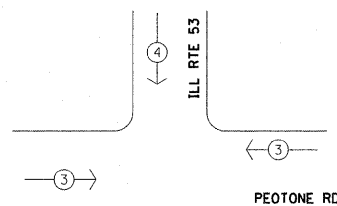
EXISTING	PROPOSED	DESCRIPTION
[G]	[G]	8" (200mm) TRAFFIC SIGNAL SECTION
[R]	[R]	12" (300mm) TRAFFIC SIGNAL SECTION
[W]	[W]	12" (300mm) PEDESTRIAN SIGNAL SECTION
[W]	[W]	12" (300mm) PEDESTRIAN SIGNAL SECTION
[C]	[C]	CONTROLLER CABINET
[S]	[S]	SERVICE INSTALLATION
[T]	[T]	TELEPHONE CONNECTION
[M]	[M]	MAGNETIC DETECTOR
[E]	[E]	EMERGENCY VEHICLE LIGHT DETECTOR
[C]	[C]	CONFIRMATION BEACON
[P]	[P]	PUSHBUTTON DETECTOR
[V]	[V]	VEHICLE DETECTOR, INDUCTION LOOP
[2]	[2]	DENOTES NUMBER OF CONDUCTORS, ALL CABLE NO. 14 EXCEPT AS INDICATED. ALL LOOP DETECTOR CABLE TO BE SHIELDED.
[M]	[M]	MICROWAVE VEHICLE SENSOR
[R]	[R]	SIGNAL FACE WITH BACKPLATE, "P" INDICATES PROGRAMMED HEAD
[R]	[R]	RAILROAD CONTROL CABINET
[E]	[E]	ILLUMINATED SIGN, FIBER OPTIC "NO LEFT TURN"
[E]	[E]	ILLUMINATED SIGN, FIBER OPTIC "NO RIGHT TURN"
[H/C]	[H/C]	GROUND ROD AT HANDHOLE (H), DOUBLE HANDHOLE (H), OR CONTROLLER (C).
[P]	[P]	GROUND ROD AT POST (P), OR MAST ARM POLE (MA).
[S]	[S]	GROUND ROD AT ELECTRIC SERVICE INSTALLATION
[1]	[1]	GROUND CABLE IN CONDUIT NO. 6 SOLID COPPER (GREEN)
[2]	[2]	FIBER OPTIC CABLE IN CONDUIT NO. 62.5/125 MM12F SM12F
[W]	[W]	12" (300mm) PEDESTRIAN SIGNAL SECTION WITH COUNTDOWN TIMER
[B]	[B]	UNINTERRUPTIBLE POWER SUPPLY

CONTROLLER SEQUENCE IV
REFERRING TO STANDARD 2393-1, THE VEHICULAR AND PEDESTRIAN PHASES USED ARE DESIGNATED BELOW.



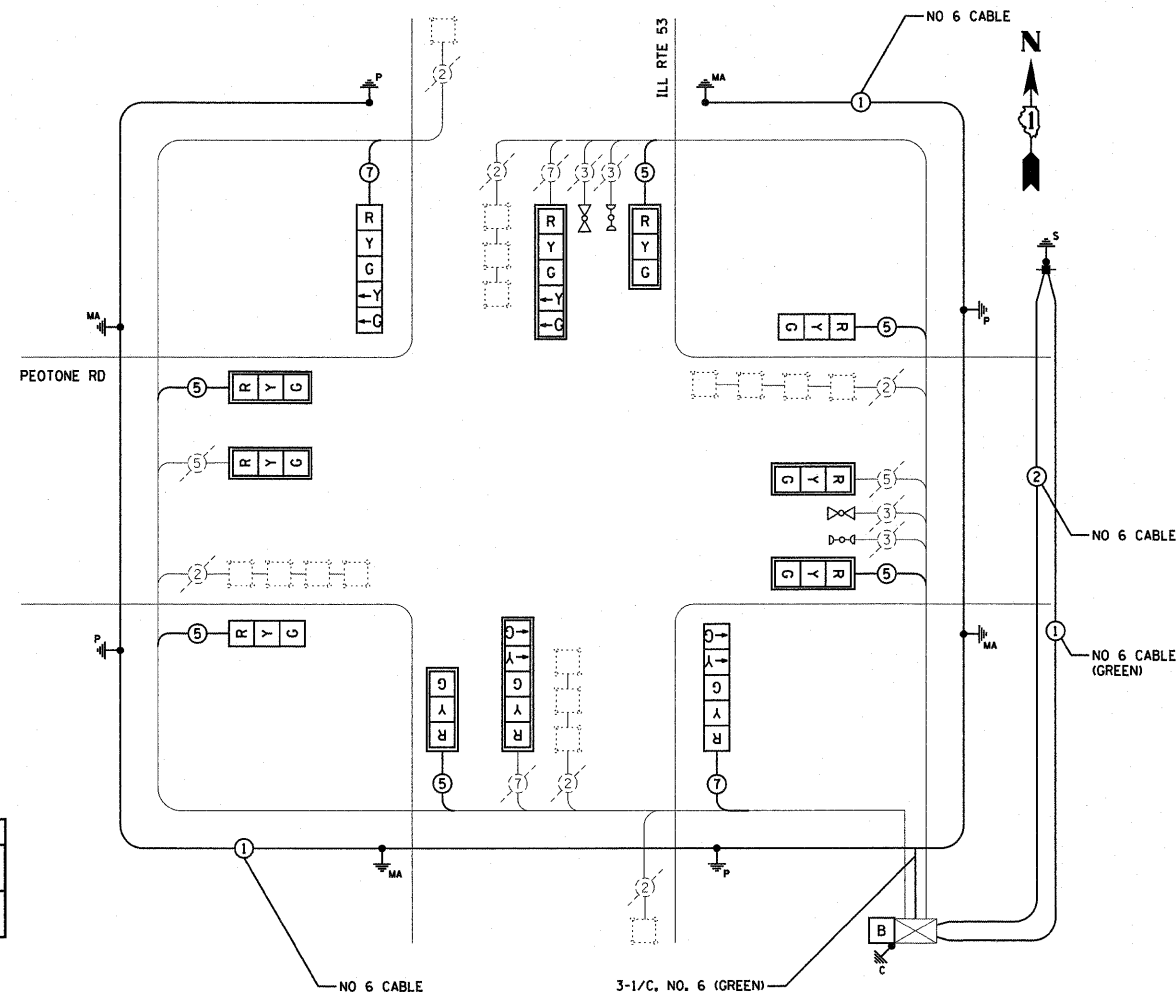
PHASE DESTINATION DIAGRAM

EMERGENCY VEHICLE PREEMPTION SEQUENCE



EXISTING EMERGENCY VEHICLE PREEMPTOR		
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	←	↑

PROPOSED CABLE PLAN



NOTE:
EQUIPMENT GROUND CONDUCTOR (GREEN COLOR CODED) SPLICE TO FRAME AND COVER IS REQUIRED FOR ALL HANDHOLES OR DOUBLE HANDHOLES THAT CARRY SIGNAL CABLES AND SERVICE CABLES.

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS						TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE INCAND.	WATTAGE LED	% OPERATION		
SIGNAL (RED)	12	135	17	0.50		102.00
(YELLOW)	12	135	25	0.25		75.00
(GREEN)	12	135	15	0.25		45.00
ARROW	8	135	12	0.10		9.60
PED. SIGNAL	0	90	25	1.00		0.00
CONTROLLER	1	100	100	1.00		100.00

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

CODE #	DESCRIPTION	UNIT	QUANTITY
78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	95
78300400	THERMOPLASTIC PAVEMENT MARKING REMOVAL	SQ FT	185
81000700	CONDUIT IN TRENCH, 2 1/2" DIA., GALVANIZED STEEL	FOOT	54
81900200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	30
85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1,500
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	400
87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	200
87502480	TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.	EACH	2
87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	2
87800115	CONCRETE FOUNDATION, TYPE A	EACH	4
87900200	DRILL EXISTING HANDHOLE	EACH	6
88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	6

CODE #	DESCRIPTION	UNIT	QUANTITY
88030050	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2
88030100	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2
88030110	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	2
88200210	TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	8
89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	820
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	6
X8050015	SERVICE INSTALLATION - POLE MOUNTED	EACH	1
X8140074	GROUNDING EXISTING HANDHOLE FRAME AND COVER	EACH	9
X8620020	UNINTERRUPTIBLE POWER SUPPLY	EACH	1
X8730027	ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C	FOOT	900
X8950210	REBUILD EXISTING HANDHOLE TO HEAVY-DUTY HANDHOLE	EACH	1
87700180	STEEL MAST ARM ASSEMBLY & POLE, 28 FT.	EACH	2
87800400	CONCRETE FOUNDATION, TYPE E 30-INCH DIA.	FOOT	20
89501400	RELOCATE EXIST EMER VEHICLE PRIORITY SYS, DET UNIT	EACH	1
87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO.14 3C	FOOT	80
X8730250	ELECTRIC CABLE IN CONDUIT NO.20 3/C,TWISTED SHIELDED	FOOT	80

CABLE PLAN, PHASE DESIGNATION DIAGRAM, SCHEDULE OF QUANTITIES IL 53 AT PEOTONE ROAD

NONE

#CPPEO

FILE NAME =	USER NAME = qureshshya	DESIGNED -	REVISED -
ca:\pwwork\pwwork\qureshshya\d0212315\1212609-shs-plan.dgn		DRAWN -	REVISED -
PLOT SCALE = 50.0000 ' / IN.		CHECKED -	REVISED -
PLOT DATE = 10/27/2018		DATE -	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

CABLE PLAN, PHASE DESIGNATION DIAGRAM, SCHEDULE OF QUANTITIES IL 53 AT PEOTONE ROAD

SCALE: NTS SHEET NO. 3 OF 3 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2010-133-I	WILL	54	37
	846/357			CONTRACT NO. 60F75

ILLINOIS FED. AID PROJECT