



1. CABINET TO BE SET-UP PER MANUFACTURER SPECIFICATIONS

2. WIRING FOR GPS CONFIRMATION BEACON AND ANTENNA TO BE

COMPLETED PER SPECIAL PROVISION AND MANUFACTURER SPECIFICATIONS.

FOR FLASHING YELLOW ARROW OPERATIONS

TRAFFIC SIGNAL WIRING DIAGRAM LEGEND

PROPOSED DESCRIPTION ELECTRIC CABLE DENOTING NUMBER OF CONDUCTORS

 $\mathbb{Z} \succ \mathbb{O}$ SIGNAL FACE WITH BACKPLATE

 $\propto > 0$ SIGNAL FACE

~·G DIRECTIONAL SIGNAL SECTION

R 12" SIGNAL SECTION

WALK/DON'T WALK SECTION + COUNT DOWN

GROUND WIRE (POLE)

PEDESTRIAN PUSHBUTTON

All in GROUND WIRE (MAST ARM)

CONDUIT GPS CONFIRMATION BEACON WITH

ANTENNA

FLASHING YELLOW ARROW

TRAFFIC SIGNAL GENERAL NOTES

OVERLAP

LETTER

B61

FYA

PHASE DESIGNATION DIAGRAM

RIGHT TURN OVERLAP PHASE DESIGNATION

PERMISSIVE

PHASE

FYA

ALL TRAFFIC SIGNAL SECTIONS SHALL HAVE 1232 SINGLE LED LENSES.

ALL PEDESTRIAN SECTIONS SHALL HAVE 16" LENSES WITH A MAN/HAND OVERLAY AND COUNTDOWN TIMER.

THE RED SECTIONS OF THE SIGNAL HEADS SHARING THE SAME MAST ARM SHALL BE LEVEL WITH ONE ANOTHER AND MAINTAIN A 16' MINIMUM CLEARANCE FROM THE HIGHEST POINT OF THE ROADWAY. THE PROPOSED MAST ARM MOUNTED TRAFFIC SIGNAL HEADS SHALL BE MOUNTED DIRECTLY OVER THE CENTER OF THEIR RESPECTIVE LANES.

ALL TRAFFIC SIGNAL HEAD BRACKETS ARE TO BE ALUMINUM WITH A NATURAL FINISH.

PROTECTED

PHASE

ALL TRAFFIC SIGNAL POSTS ARE TO BE GALVANIZED STEEL.

THE EXISTING CONDUIT SHALL BE COUPLED TO THE PROPOSED CONDUIT. THIS WORK SHALL BE INCLUDED IN THE PRICE FOR THE CONDUIT OF THE TYPE SPECIFIED.

PROPOSED HANDHOLES SHALL BE CAST IN PLACE CONCRETE HANDHOLES.

THE HANDHOLE SHALL BE CONSTRUCTED SO THAT THE TOP OF THE FRAME WILL BE FLUSH WITH THE SURFACE OF THE MEDIAN, SIDEWALK, OR GROUND LINE.

THE LOCATION OF ALL UTILITIES SHALL BE FIELD VERIFIED BY THE CONTRACTOR BEFORE THE INSTALLATION OF ANY TRAFFIC SIGNAL COMPONENTS.

COILABLE POLYETHYLENE DUCT MAY BE SUBSTITUTED FOR PVC CONDUIT PUSHED.

THE CONTRACTOR MAY ELECT TO PUSH A CONDUIT THAT IS SHOWN TO BE TRENCHED ON THE PLANS. HOWEVER, THIS WORK WILL BE MEASURED FOR PAYMENT AND PAID FOR AS CONDUIT IN TRENCH OF THE TYPE AND SIZE SPECIFIED AND TRENCH AND BACKFILL FOR ELECTRICAL WORK.

13. THE LOCATIONS FOR HANDHOLES, TRAFFIC SIGNAL POST FOUNDATIONS, AND MAST ARM FOUNDATIONS ARE PROVIDED FOR REFERENCE ONLY. THE ENGINEER OF TRAFFIC SHALL BE NOTIFIED FOR LOCATION VERIFICATION BEFORE INSTALLATION.

14. ALL SURPLUS MATERIALS SHALL BE DISPOSED OF IN ACCORDANCE WITH ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS.

NO ADDITIONAL COMPENSATION SHALL BE ALLOWED FOR PLACING CONDUIT AT GREATER THAN 2 FT. MINIMUM DEPTH TO AVOID OBSTACLES SUCH AS UNDERGROUND UTILITIES.

THE CONTRACTOR IS RESPONSIBLE FOR THE COST OF UNCOVERING OR HAND DIGGING AROUND UTILITIES AS NECESSARY. THIS COST OF THIS WORK SHALL BE INCLUDED IN THE UNIT PRICES FOR THE CONDUITS.

17. ALL TRAFFIC SIGNAL MAST ARMS, POSTS, HANDHOLE LIDS AND RINGS, HANDHOLE FRAMES, CONTROLLER CABINETS, SERVICE RISERS, EXPOSED METALLIC CONDUITS, AND PHOTOCELL RELAYS SHALL BE GROUNDED IN ACCORDANCE WITH NEC REQUIREMENTS.

18. DRILLING HOLES THROUGH CURB AND GUTTER WILL NOT BE ALLOWED.

19. THE LENGTH OF DETECTOR LOOP CABLE FROM CURB TO THE HANDHOLE SHALL BE INCLUDED IN THE DETECTOR LOOP QUANTITY.

20. LOOPS IN THE SAME LANE SHALL BE WOUND ALTERNATELY CLOCKWISE AND COUNTER CLOCKWISE.

THE CONDUITS SHOWN CONNECTING THE BACK OF CURB TO THE ROADSIDE HANDHOLE SHALL CONTAIN ONLY

22. A 1/4" DIAMETER CONINUOUS NYLON ROPE SHALL BE FURNISHED AND LEFT IN PLACE IN ALL CONDUITS BETWEEN HANDHOLES AND FOUNDATIONS OR CONTROLLER.

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	PLOT SCALE = 20,00000 '/ in.	CHECKED - CAL	REVISED -
	PLOT DATE = 03\22\2010	DATE - 03/19/10	REVISED -

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

SCALE:

NORTHMOOR RD. AND SHERIDAN RD.					F.A. RTE.	SECTION	COUNTY	TOTAL	SHEE'		
CABLE PLAN				6647	08-00302-00-TL	PEORIA	102	59			
					6595	09-00047-02-TL	CONTRACT	T NO. 8	39523		
1''=20'	SHEET	NO.	OF	SHEETS	STA.	TO STA.	FED. RO	DAD DIST. NO. ILLINOIS FED. A	ID PROJECT	vi~5093(138	1)