

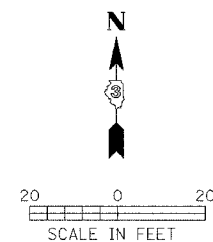
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	*	McLEAN	34	25
STA. TO STA.				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
* 6352 - COLLEGE AVENUE 6385 - WHITE OAK ROAD (C.H. 70)				
** 03-00182-00-RS				

- TRAFFIC SIGNAL GENERAL NOTES:
1. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF ALL UTILITIES PRIOR TO BEGINNING CONSTRUCTION (I.U.L.I.E. 800-829-0123). TO THE CONDUIT PAY ITEM.
 2. THE CONTRACTOR IS RESPONSIBLE FOR THE COST OF UNCOVERING OR HAND DIGGING AROUND UTILITIES AS NECESSARY, INCIDENTAL TO THE CONDUIT PAY ITEM.
 3. EXACT SIGNAL LOCATION MAY BE MODIFIED IN THE FIELD TO AVOID EXISTING UTILITIES, AS APPROVED BY THE CITY ENGINEER.
 4. ALL SIGNAL BASES SHALL BE LOCATED A MINIMUM OF 6 FEET FROM THE FACE OF CURB UNLESS APPROVED OTHERWISE BY THE CITY ENGINEER.
 5. ALL MAST ARM POLES SHALL BE PROTECTED BY A STAINLESS STEEL MESH SCREENING AROUND THE BASE BOLTS TO PREVENT RODENT ENTRY. THE MESH SHALL BE SECURED TO THE BASE BY STAINLESS STEEL BANDING AND IS INCIDENTAL TO THE INDIVIDUAL MAST ARM ASSEMBLY PAY ITEM. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR PLACING CONDUIT AT GREATER THAN 2 FEET MINIMUM DEPTH TO AVOID OBSTACLES SUCH AS UNDERGROUND UTILITIES.
 6. A #10 STRANDED COPPER WIRE SHALL BE FURNISHED AND LEFT IN PLACE IN ALL CONDUITS BETWEEN HANDHOLES AND FOUNDATIONS OR CONTROLLER AS INCIDENTAL TO THE RESPECTIVE CONDUIT PAY ITEM.
 7. DRILLING HOLES THROUGH EXISTING CURB AND GUTTER, INSERTING CONDUIT AND FILLING WITH APPROVED SEALER FOR DETECTION LOOPS IS INCIDENTAL TO THE DETECTOR LOOP PAY ITEM.
 8. ALL THREADS OF BOLTS USED IN ASSEMBLY OF TRAFFIC SIGNAL COMPONENTS SHALL BE COATED WITH A NON-LEAD BASED ANTI-SEIZE COMPOUND, SIMILAR TO LEAD PLATE, PRIOR TO ASSEMBLY. ALL LUBRICANTS USED FOR THREADS SHALL BE APPROVED BY THE CITY OF BLOOMINGTON ENGINEERING DEPARTMENT.
 9. THE SIZES OF ALL LENSES SHALL BE 12" UNLESS OTHERWISE NOTED.
 10. ALL MAST ARM MOUNTED SIGNAL HEADS ON AN INDIVIDUAL MAST ARM SHALL BE MOUNTED SO THAT THE RED INDICATIONS ARE LEVEL WITH EACH OTHER.
 11. ALL BRACKET MOUNTED HEADS SHALL BE MOUNTED ON SIDE OF POLE AS APPROVED BY THE ENGINEER IN ORDER TO MINIMIZE VEHICLE DAMAGE.
 12. THE ELECTRICAL CONDUCTORS FOR ALL TRAFFIC SIGNAL HEADS SHALL BE 14 GAUGE SOLID, SOFT COPPER.
 13. ALL DETECTOR LOOP AMPLIFIERS SHALL BE BACK MOUNTED AND SHALL BE LABELED ON THE EDGE OF THE SHELF BELOW THE AMPLIFIER WITH THEIR RESPECTIVE DIRECTIONS, PHASES, LOOP TERMINALS AND CONTROLLER INPUTS. ALL DETECTOR AMPLIFIERS SHALL HAVE A 2 CHANNEL RACK INCLUDED IN THE COST OF THE INDUCTIVE LOOP DETECTOR PAY ITEM.
 14. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR ALL SIGNAL COMPONENTS TO THE CITY OF BLOOMINGTON FOR APPROVAL PRIOR TO ORDERING.
 15. THE TOWN ENGINEER AND DIRECTOR OF ENGINEERING SHALL BE NOTIFIED AT LEAST 72 HOURS PRIOR TO SIGNAL TURN ON.
 16. THE CONTRACTOR SHALL ARRANGE FOR A FACTORY OR SUPPLIER REPRESENTATIVE TO BE PRESENT AT THE INTERSECTION WHEN THE SIGNAL IS TURNED ON, INCIDENTAL TO THE INDUCTIVE LOOP DETECTOR PAY ITEM.
 17. ALL LED SIGNAL LENSES SHALL BE OF THE SAME TYPE, DESIGN, ETC. AND BE FROM THE SAME MANUFACTURER FOR ANY GIVEN INTERSECTION.
 18. THE OWNER RESERVES THE RIGHT TO CANCEL ANY TURN ON IF IT DEEMS THE SITUATION UNSAFE FOR REASONS SUCH AS BAD WEATHER, PEAK HOUR TRAFFIC CONDITIONS, ETC.
 19. BACKPLATES SHALL BE POLYCARBONATE WITH A DEEP BACK FLANGE.
 20. ALL CONDUIT IN TRENCH SHALL BE PVC. ALL CONDUIT PUSHED MAY BE GALVANIZED STEEL OR PVC. CONDUIT ATTACHED TO STRUCTURES SHALL BE GALVANIZED STEEL.
 21. GROUND RODS SHALL BE SOLID COPPER ALLOY OR COPPER CLAD STEEL. GROUNDING ROD SHALL BE PLACED IN DOUBLE HANDHOLE.
 22. THE LENGTH OF DETECTOR LOOP CABLE FROM THE CURB TO THE HANDHOLE IS INCIDENTAL TO THE DETECTOR LOOP PAY ITEM.
 23. THE CONTRACTOR SHALL PROVIDE 3 FEET OF SLACK CABLE IN EACH TRAFFIC SIGNAL STRUCTURE MAST ARM, POST, CONTROLLER.
 24. THE SLACK, WHICH IS IN ADDITION TO THE VERTICAL LENGTH OF CABLE DEFINED IN THE SPECIFICATIONS, SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT OF CABLE.
 25. LOOPS IN THE SAME LANE SHALL BE WOUND ALTERNATELY CLOCKWISE AND COUNTER-CLOCKWISE. LOOPS IN ADJACENT LANES SHALL BE WOUND IN THE SAME DIRECTION AS THE LOOP IN THE ADJACENT LANE.
 26. THE CONDUITS SHOWN CONNECTING THE BACK OF CURB TO THE ROADSIDE HANDHOLE SHALL BE 1 1/4" TRENCHED PVC AND SHALL CONTAIN ONLY ONE DETECTOR LOOP CABLE.
 27. THE YELLOW AND GREEN LED ARROW SECTIONS SHALL HAVE THREE ROWS OF LED IN LIEU OF TWO ROWS.

ALL EXISTING SIGNAL HEADS ARE TO BE REMOVED

EXISTING WESTBOUND FAR DETECTOR LOOPS ARE TO REMAIN.

- LEGEND
- PROPOSED
- ◄+ SIGNAL HEAD WITH BACKPLATE
 - ◄ STEEL COMBINATION MAST ARM
 - TRAFFIC SIGNAL POST
 - ◻ DETECTOR LOOP



McLEAN CO SECTION 03-00182-00-RS
COLLEGE AVENUE & WHITE OAK ROAD WIDENING

SIGNAL PLAN

DRAWN BY J.OCHSNER	<p>27th & McGraw Drive Bloomington, Illinois 61704 800.888.8496 / fax 900.888.1571</p>	FILE NO. 24-7482
DATE 03/08/05		BOOK NO. 2704
CHECKED BY RGD		SHEET NO.
REVISED 12/08/05		