

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
325	501	COLES	26	20

CONTRACT NO. 70415

LERNA RD. SCHEDULE OF QUANTITIES

GULFBOX JUNCTION REMOVAL

LOCATION	EACH
147+75.0; 56.0' RT.	1
149+20.0; 56.0' RT.	1
150+65.0; 65.0' RT.	1
154+97.0; 65.5' LT.	1
156+45.0; 56.0' LT.	1
157+90.5; 56.0' LT.	1
TOTAL =	6 EACH

REMOVE EXIST HANDHOLE

LOCATION	EACH
152+10.5; 7.5' LT.	1
152+13.5; 68.0' LT.	1
152+35.0; 80.0' RT.	1
153+22.5; 86.0' LT.	1
153+45.5; 4.5' RT.	1
TOTAL =	5 EACH

REMOVE EXIST CONC FOUNDATION

LOCATION	EACH
151+89.0; 61.5' LT.	1
152+07.0; 7.5' LT.	1
152+10.0; 4.0' LT.	1
152+27.5; 75.0' LT.	1
152+32.3; 75.0' RT.	1
153+32.5; 79.0' LT.	1
153+53.0; 76.5' RT.	1
153+68.0; 62.0' RT.	1
152+10.5; 144.0' LT.	1
TOTAL =	9 EACH

CONC FOUNDATION TY A

LOCATION	FOOT
152+03.3; 7.0' LT.	3.1
152+28.7; 78.5' LT.	3.1
153+36.2; 72.5' RT.	3.1
153+60.0; 7.2' RT.	3.1
TOTAL =	12.4 FOOT

CONC FOUNDATION TY E 36D

LOCATION	FOOT
151+81.7; 61.7' LT.	11
152+27.0; 71.0' RT.	13
153+34.2; 72.7' LT.	13
153+74.0; 61.8' RT.	11
TOTAL =	48 FOOT

CONC FOUNDATION TY D

LOCATION	FOOT
152+05.5; 138.8' LT.	3.5
TOTAL =	3.5 FOOT

BILL OF MATERIALS IL. ROUTE 16 & LERNA RD.

ITEM	UNIT	QUANTITY
SERVICE INSTALLATION, TYPE A	EACH	1
WOOD POLE, 35 FT., CLASS 4	EACH	1
CONDUIT IN TRENCH, 1" DIA., PVC	FOOT	123
CONDUIT IN TRENCH, 1 1/2" DIA., PVC	FOOT	722
CONDUIT IN TRENCH, 2" DIA., PVC	FOOT	132
CONDUIT IN TRENCH, 3" DIA., PVC	FOOT	27
CONDUIT IN TRENCH, 4" DIA., PVC	FOOT	33
CONDUIT IN TRENCH, 5" DIA., PVC	FOOT	75
CONDUIT, AUGERED 2" DIA., PVC	FOOT	82
CONDUIT, AUGERED 3" DIA., PVC	FOOT	199
CONDUIT, AUGERED 4" DIA., PVC	FOOT	126
HANDHOLE	EACH	6
DOUBLE HANDHOLE	EACH	1
TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	1112
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	1961
LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, PHOTO-CELL CONTROL, 400 WATT	EACH	4
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	EACH	1
GULFBOX JUNCTION	EACH	4
GULFBOX JUNCTION REMOVAL	EACH	6
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	2936
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1194
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 18 3 PAIR	FOOT	3449
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	24
TRAFFIC SIGNAL POST, ALUMINUM 12 FT.	EACH	2
TRAFFIC SIGNAL POST, ALUMINUM 14 FT.	EACH	2
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 30 FT.	EACH	2
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 44 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 48 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	12.4
CONCRETE FOUNDATION, TYPE D	FOOT	3.5
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	48
DRILL EXISTING HANDHOLE	EACH	1
TRAFFIC SIGNAL BACKPLATE, LOUVERED	EACH	8
INDUCTIVE LOOP DETECTOR	EACH	12
DETECTOR LOOP, TYPE I	FOOT	569
RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, DETECTOR UNIT	EACH	1
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	174
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	5
REMOVE EXISTING CONCRETE FOUNDATION	EACH	9
ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C	FOOT	873
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	6
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	2
SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2
SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED	EACH	2

GENERAL NOTES

- THE FOLLOWING SIGNAL HEADS SHALL BE WIRED IN PARALLEL AT THE MAST POLE HANDHOLE: (A2, A3), (B2, B3), (C2, C3), (D2, D3) -- EACH MAST ARM MOUNTED SIGNAL HEAD SHALL HAVE ITS OWN INDIVIDUAL CABLE FROM THE MAST POLE HANDHOLE TO THE SIGNAL HEAD.
- THE ACTUAL LOCATION OF ALL SIGNAL FOUNDATIONS, HANDHOLES, AND TRAFFIC CONTROLLER WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
- POST MOUNTED SIGNALS SHALL BE INSTALLED SO THAT NO PART OF THE SIGNAL HEAD IS WITHIN 2 FT. OF THE FACE OF CURB.
- ALL MAST ARM POLES SHALL BE A MINIMUM OF 6 FT. FROM THE CENTER OF THE POLE TO THE FACE OF CURB (ON THE MAST ARM SIDE) OR AS SHOWN ON THE PLANS.
- ALL MAST ARM POLES SHALL BE A MINIMUM OF 6 FT. FROM THE CENTER OF THE POLE TO THE FACE OF CURB (ON THE MAST ARM SIDE) OR AS SHOWN ON THE PLANS.
- ALIGN ADJACENT RED INDICATIONS TO SAME HEIGHT ABOVE PAVEMENT.
- THE BASE FOR A TRAFFIC SIGNAL POST SHALL BE SITUATED SUCH THAT THE HANDHOLE IS LOCATED ON A SIDE AWAY FROM A TRAVELED LANE.
- THE ANTI-BACKUP FEATURE SHALL BE HARDWIRED ON THE BACKPANEL OF THE CONTROLLER CABINET FOR PHASES 3 & 7. IT SHALL BE DISABLED FOR PHASES 1 & 5.

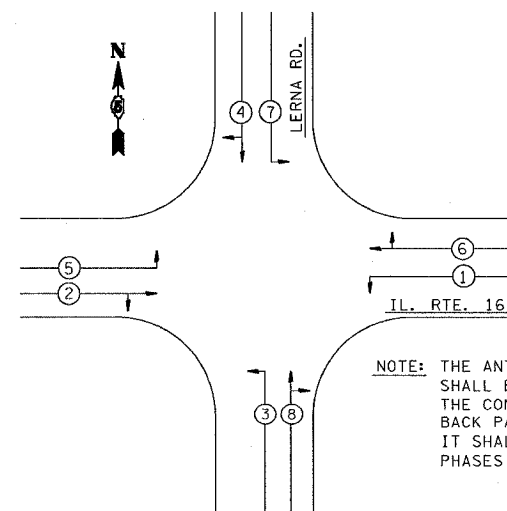
ITEMS TO BE RETURNED TO IL. DEPT. OF TRANS.

ITEM	QUANTITY
CABINET & CONTROLLER	1 EA.

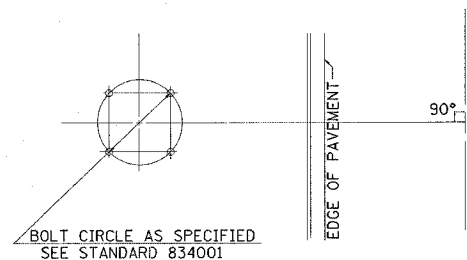
ITEMS TO BE RETURNED TO THE CITY OF MATTOON

ITEM	QUANTITY
TS POSTS & BASES, ALUMINUM	4 EA.

PHASE DESIGNATION DIAGRAM



NOTE: THE ANTI-BACKUP FEATURE SHALL BE HARDWIRED ON THE CONTROLLER CABINET BACK PANEL FOR PHASES 3 & 7. IT SHALL BE DISABLED FOR PHASES 1 & 5.



**DETAIL OF MAST ARM FOUNDATION
BOLT PATTERN**