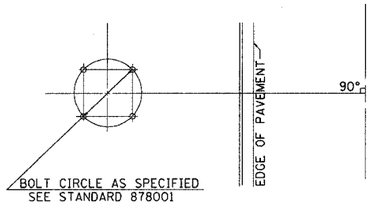
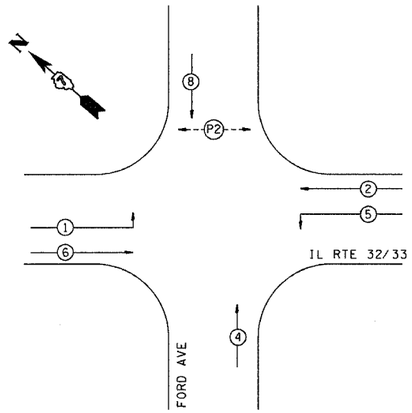
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	•	EFFINGHAM	344	112A
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

•107WRS-1, 107BY, 107BY-1 & 107B-2

CONTRACT NO. 94827



DETAIL OF MAST ARM FOUNDATION BOLT PATTERN



PHASE DESIGNATION DIAGRAM

LEGEND

② VEHICULAR PHASE NO. X

Ⓟ② PEDESTRIAN PHASE NO. X

BILL OF MATERIALS

ITEM	UNIT	QUANTITY
SIGN PANEL - TYPE 1	SQ FT	9
SIGN PANEL - TYPE 2	SQ FT	62
WOOD SIGN SUPPORT	FEET	18
SERVICE INSTALLATION, TYPE B	EACH	1
WOOD POLE, 35 FOOT, CLASS 4	EACH	1
CONDUIT IN TRENCH, 2" DIA., PVC	FEET	75
CONDUIT IN TRENCH, 2 1/2" DIA., PVC	FEET	775
CONDUIT IN TRENCH, 4" DIA., PVC	FEET	123
CONDUIT IN TRENCH, 6" DIA., PVC	FEET	8
CONDUIT, PUSHED, 2 1/2" DIA., PVC	FEET	435
CONDUIT, PUSHED, 4" DIA., PVC	FEET	145
CONDUIT, PUSHED, 6" DIA., PVC	FEET	98
HANDHOLE	EACH	7
DOUBLE HANDHOLE	EACH	1
TRENCH AND BACKFILL FOR ELECTRICAL WORK	FEET	981
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	EACH	1
TRANSCEIVER - FIBER OPTIC	EACH	2
FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, 6F	FEET	1366
ELECTRICAL CABLE IN CONDUIT, SIGNAL, NO. 14 3/C	FEET	244
ELECTRICAL CABLE IN CONDUIT, SIGNAL, NO. 14 4/C	FEET	270
ELECTRICAL CABLE IN CONDUIT, SIGNAL, NO. 14 5/C	FEET	2125
ELECTRICAL CABLE IN CONDUIT, SIGNAL, NO. 14 7/C	FEET	801
ELECTRICAL CABLE IN CONDUIT, SERVICE, NO. 6 2/C	FEET	54
TRAFFIC SIGNAL POST, PAINTED STEEL 16 FT.	EACH	1
TRAFFIC SIGNAL POST, PAINTED STEEL 18 FT.	EACH	2
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 36 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 42 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 48 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 50 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FEET	18
CONCRETE FOUNDATION, TYPE D (SPECIAL)	FEET	6
CONCRETE FOUNDATION, TYPE E 36 INCH DIAMETER	FEET	52
DRILL EXISTING FOUNDATION	EACH	1
TRAFFIC SIGNAL BACKPLATE, FORMED PLASTIC	EACH	18
LIGHT DETECTOR	EACH	2
LIGHT DETECTOR AMPLIFIER	EACH	1
ELECTRICAL CABLE IN CONDUIT NO. 20 3/C	FEET	706
VIDEO VEHICLE DETECTION SYSTEM	L SUM	1
TRAFFIC SIGNAL BATTERY BACKUP SYSTEM	EACH	1
ADA PEDESTRIAN PUSH-BUTTON	EACH	2
PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED	EACH	2
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1
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	1
SIGNAL HEAD, POLYCARBONATE, LED, 3-FACE, 2-3-SECTION, 1-5-SECTION, BRACKET MOUNTED	EACH	1

GENERAL NOTES

1. THE FOLLOWING SIGNAL HEADS SHALL BE WIRED IN PARALLEL AT THE MAST POLE HANDHOLE: (A1, A2), (B1, B2), (C1, C2), (D1, D2) - EACH MAST ARM MOUNTED SIGNAL HEAD SHALL HAVE ITS OWN INDIVIDUAL CABLE FROM THE MAST POLE HANDHOLE TO THE SIGNAL HEAD.
2. THE ACTUAL LOCATION OF ALL SIGNAL FOUNDATIONS, HANDHOLES, AND TRAFFIC CONTROLLER WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
3. POST MOUNTED SIGNALS SHALL BE INSTALLED SO THAT NO PART OF THE SIGNAL HEAD IS WITHIN 2 FT OF THE FACE OF CURB.
4. 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.
5. ALIGN ADJACENT RED INDICATIONS TO SAME HEIGHT ABOVE PAVEMENT.
6. THE BASE FOR A TRAFFIC SIGNAL POST SHALL BE SITUATED SUCH THAT THE HANDHOLE IS LOCATED ON A SIDE AWAY FROM A TRAVELED LANE.

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

FORD AVENUE
TRAFFIC SIGNAL PLANS
SHEET 4 OF 4

DRAWN BY MLO

DATE 8/02 CHECKED BY BWD