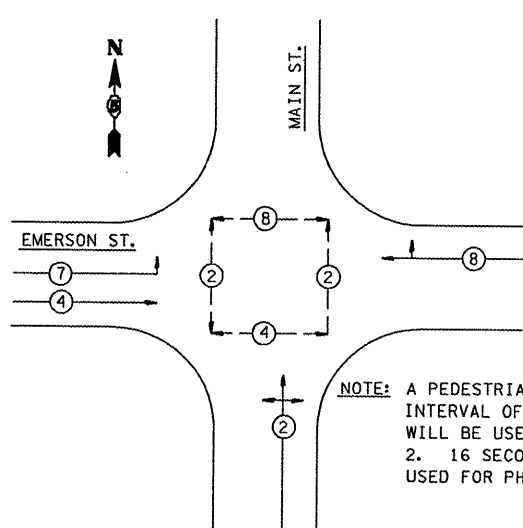


PHASE DESIGNATION DIAGRAM



NOTE: A PEDESTRIAN CLEARANCE INTERVAL OF 25 SECONDS WILL BE USED FOR PHASE 2. 16 SECONDS SHALL BE USED FOR PHASE 4, & 8

CONC MED SURF REM

EAST MEDIAN 19.0 SQ FT

CONC MED SURF 4

EAST MEDIAN 14.0 SQ FT

PC CONC SIDEWALK 5"

SW QUAD 30 SQ FT
 NW QUAD 33 SQ FT
 NE QUAD 6 SQ FT
 SE QUAD 101

TOTAL = 170 SQ FT

SIDEWALK REMOVAL

SW QUAD 27 SQ FT
 NE QUAD 6 SQ FT
 SE QUAD 83

TOTAL = 116 SQ FT

HANDHOLE

STA. 69+69.93; 50.3' LT. 1 EACH
 STA. 220+09.32; 82.5' LT. 1 EACH
 STA. 70+45.61; 21.5' LT. 1 EACH
 STA. 70+56.11; 40.8' RT. 1 EACH
 STA. 70+33.42; 22.9' RT. 1 EACH
 STA. 70+47.53; 214.0' RT. 1 EACH

TOTAL = 6 EACH

CONC FDN TY A

STA. 69+64.15; 29.3' LT. 3.1' FOOT
 STA. 69+60.01; 33.0' RT. 3.1' FOOT
 STA. 70+31.40; 26.8' RT. 3.1' FOOT
 STA. 70+62.47; 35.2' RT. 3.1' FOOT

TOTAL = 12.4 FOOT

CONC FDN TY E 36D

STA. 69+65.86; 43.3' RT. 10.0' FOOT
 STA. 70+49.25; 32.2' LT. 15.0' FOOT

TOTAL = 25.0 FOOT

REMOVE EXIST HANDHOLE

STA. 69+70.23; 41.4' LT. 1 EACH
 STA. 69+55.79; 24.0' RT. 1 EACH
 STA. 70+49.66; 22.3' LT. 1 EACH
 STA. 70+53.14; 45.0' RT. 1 EACH
 STA. 70+45.39; 211.7' RT. 1 EACH

TOTAL = 5 EACH

REMOVE EXIST CONC FDN

STA. 69+65.72; 28.6' LT. 1 EACH
 STA. 69+56.32; 26.5' RT. 1 EACH
 STA. 69+65.89; 35.2' RT. 1 EACH
 STA. 70+34.81; 28.1' LT. 1 EACH
 STA. 70+56.40; 26.3' LT. 1 EACH
 STA. 70+55.99; 35.6' RT. 1 EACH
 STA. 70+62.33; 47.5' RT. 1 EACH
 STA. 70+33.78; 26.5' RT. 1 EACH

TOTAL = 8 EACH

BILL OF MATERIALS

U. S. 51 BUS. (MAIN ST.) & EMERSON ST.

ITEM	UNIT	QUANTITY
PAINT NEW PEDESTRIAN PUSH-BUTTON POST	EACH	1
PAINT NEW MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, OVER 40 FEET SERVICE INSTALLATION, TYPE A	EACH	1
CONDUIT IN TRENCH, 1" DIA., PVC	FOOT	42
CONDUIT IN TRENCH, 1 1/2" DIA., PVC	FOOT	366
CONDUIT IN TRENCH, 2" DIA., PVC	FOOT	54
CONDUIT IN TRENCH, 2 1/2" DIA., PVC	FOOT	47
CONDUIT IN TRENCH, 3" DIA., PVC	FOOT	22
CONDUIT IN TRENCH, 5" DIA., PVC	FOOT	2
CONDUIT, AUGERED 3" DIA., PVC	FOOT	151
CONDUIT, AUGERED 4" DIA., PVC	FOOT	70
CONDUIT SPLICE	EACH	1
HANDHOLE	EACH	7
DOUBLE HANDHOLE	EACH	1
TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	533
LIGHT POLE, WOOD, 35 FOOT, CLASS 4	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	540
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	910
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	692
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1842
TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.	EACH	3
TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.	EACH	1
PEDESTRIAN PUSH-BUTTON POST, GALVANIZED STEEL, TYPE II	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 40 FT. AND 44 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE 26 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	25
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	6
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	1
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	1
PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, BRACKET MOUNTED	EACH	4
TRAFFIC SIGNAL BACKPLATE	EACH	7
DETECTOR LOOP, TYPE 1	FOOT	377
PEDESTRIAN PUSH-BUTTON	EACH	8
REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	69
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	5
REMOVE EXISTING CONCRETE FOUNDATION	EACH	8
RELOCATE CONTROLLER CABINET	EACH	1
ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C	FOOT	479
PAINT NEW TRAFFIC SIGNAL POST	EACH	4
PAINT NEW MAST ARM POLE, UNDER 40 FEET	EACH	1

GENERAL NOTES

- THE FOLLOWING SIGNAL HEADS SHALL BE WIRED IN PARALLEL AT THE MAST POLE HANDHOLE: (B1, B2, B3), (C1, C2), (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.
- 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.
- PEDESTRIAN PUSHBUTTON SIGNAL SIGNS SHALL BE MOUNTED ABOVE THE APPROPRIATE PEDESTRIAN PUSHBUTTON.
- THE ANTI-BACKUP FEATURE SHALL BE HARDWIRED ON THE BACKPANEL OF THE CONTROLLER CABINET.

FILE NAME =	USER NAME = biggsrd	DESIGNED - RDB	REVISED -
ci:\projects\0570730\emerson.street.dgn		DRAWN - RDB	REVISED -
	PLOT SCALE = 1/8" = 1'-0"	CHECKED -	REVISED -
	PLOT DATE = 10/21/2008	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

REVISION
 10/23/08

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
730	(8CS)TS;(622)TS;(622-2)TS	MCLEAN	14	10
CONTRACT NO. 70730			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	

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