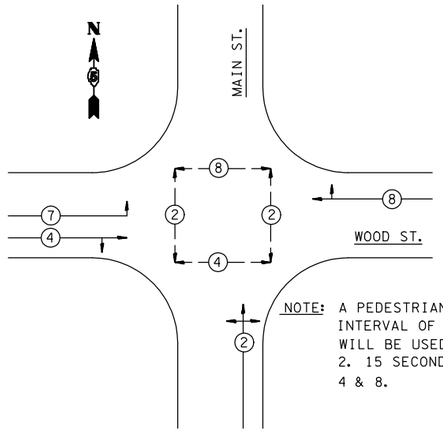
PHASE DESIGNATION DIAGRAM



NOTE: A PEDESTRIAN CLEARANCE INTERVAL OF 10 SECONDS WILL BE USED FOR PHASE 2. 15 SECONDS FOR PHASES 4 & 8.

PC CONC SIDEWALK 5"

NW QUAD	22	
NE QUAD	14	SQ FT
SE QUAD	30	SQ FT
SW QUAD	67	SQ FT
TOTAL =	133	SQ FT

SIDEWALK REMOVAL

NW QUAD	27	
NE QUAD	9	SQ FT
SE QUAD	24	SQ FT
SW QUAD	60	SQ FT
TOTAL =	120	SQ FT

HANDHOLE

STA. 220+55.53; 39.9' RT.	1	EACH
STA. 220+58.18; 37.5' LT.	1	EACH
STA. 221+02.08; 25.7' LT.	1	EACH
TOTAL =	3	EACH

CONC FDN TY A

STA. 220+91.99; 33.2' RT,	3.1'	FOOT
STA. 220+91.65; 37.1' LT.	3.1'	FOOT
STA. 220+58.59; 39.9' LT.	3.1'	FOOT
STA. 220+54.80; 36.3' RT.	3.1'	FOOT
TOTAL =	12.4	FOOT

CONC FDN TY E 36D

STA. 220+32.35; 27.7' RT.	13.0	FOOT
TOTAL =	13.0	FOOT

REMOVE EXIST HANDHOLE

STA. 220+94.86; 30.5' RT.	1	EACH
STA. 220+93.73; 30.6' LT.	1	EACH
STA. 220+54.79; 35.5' LT.	1	EACH
STA. 220+48.88; 25.2' RT.	1	EACH
TOTAL =	4	EACH

REMOVE EXIST CONC FDN

STA. 220+48.88;25.2' RT.	1	EACH
STA. 220+91.65; 33.1' RT.	1	EACH
STA. 221+03.57; 25.5' LT.	1	EACH
STA. 220+91.65; 37.1' LT.	1	EACH
STA. 220+57.57; 38.0' LT.	1	EACH
STA. 220+46.97; 25.9' LT.	1	EACH
STA. 220+48.51; 27.7' RT.	1	EACH
STA. 220+54.26; 33.8' RT.	1	EACH
	8	EACH

BILL OF MATERIALS

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

ITEM	UNIT	QUANTITY
PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	133
SIDEWALK REMOVAL	SQ FT	120
SERVICE INSTALLATION, TYPE A	EACH	1
CONDUIT IN TRENCH, 1" DIA., PVC	FOOT	37
CONDUIT IN TRENCH, 1 1/2" DIA., PVC	FOOT	141
CONDUIT IN TRENCH, 2" DIA., PVC	FOOT	77
CONDUIT IN TRENCH, 2 1/2" DIA., PVC	FOOT	28
CONDUIT IN TRENCH, 4" DIA., PVC	FOOT	16
CONDUIT IN TRENCH, 5" DIA., PVC	FOOT	3
CONDUIT, AUGERED 3" DIA., PVC	FOOT	81
CONDUIT, AUGERED 4" DIA., PVC	FOOT	57
HANDHOLE	EACH	3
DOUBLE HANDHOLE	EACH	1
TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	302
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	408
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	746
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	739
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	537
ELECTRIC CABLE IN CONDUIT, COMMUNICATION NO. 18 6 PAIR	FOOT	153
TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.	EACH	2
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	2
PEDESTRIAN PUSH-BUTTON POST, GALVANIZED STEEL, TYPE II	EACH	3
STEEL MAST ARM ASSEMBLY AND POLE, 44 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	13
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	4
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	1
SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1
SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 1-3-SECTION, 1-5-SECTION, BRACKET MOUNTED	EACH	1
PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, BRACKET MOUNTED	EACH	4
TRAFFIC SIGNAL BACKPLATE	EACH	4
DETECTOR LOOP, TYPE 1	EACH	8
PEDESTRIAN PUSH-BUTTON	FOOT	230
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	28
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	4
REMOVE EXISTING CONCRETE FOUNDATION	EACH	8
RELOCATE CONTROLLER CABINET	EACH	1
ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C	FOOT	349

GENERAL NOTES

1. THE FOLLOWING SIGNAL HEADS SHALL BE WIRED IN PARALLEL AT THE MAST POLE HANDHOLE: (B1, B2), (B3, B4) - 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.
7. PEDESTRIAN PUSHBUTTON SIGNAL SIGNS SHALL BE MOUNTED ABOVE THE APPROPRIATE PEDESTRIAN PUSHBUTTON.
8. THE ANTI-BACKUP FEATURE SHALL BE HARDWIRED ON THE BACKPANEL OF THE CONTROLLER CABINET.

FILE NAME = c:\projects\d570730\wood.street.dgn	USER NAME = biggsrd	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 40.0000 ' / IN.	CHECKED -	REVISED -
	PLOT DATE = 9/25/2008	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			14	13
		CONTRACT NO.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		