

SCHEDULES

PC CONC SIDEWALK 5" (REM & REPL)

NW QUAD	20.0
NE QUAD	7.0
SW QUAD	7.0
SE QUAD	8.0

TOTAL = 42.0

HANDHOLE

STA. 1055+30.4; 25.5' RT.	1 EA.
STA. 1055+57.8; 43.4' LT.	1 EA.
STA. 1055+73.2; 60.0' LT.	1 EA.
STA. 1056+37.6; 52.2' LT.	1 EA.
STA. 1056+66.7; 26.3' LT.	1 EA.
STA. 1056+38.9; 59.6' RT.	1 EA.

TOTAL = 6 EACH

CONC FDN TY A

STA. 1055+46.8; 32.4' RT.	3.1 FT.
STA. 1055+64.3; 49.3' LT.	3.1 FT.
STA. 1056+57.8; 36.0' LT.	3.1 FT.

TOTAL = 9.3 FOOT

CONC FDN TY E 30D

STA. 1055+50.9; 38.6' LT.	13.5 FT.
STA. 1056+43.7; 52.3' LT.	13.5 FT.

TOTAL = 27.0 FOOT

GENERAL NOTES

1. LOOPS A4 AND B4 SHALL PROVIDE DILEMMA ZONE PROTECTION DURING PHASE GREEN AND SERVE AS COUNTERS TO EXTEND INITIAL GREEN DURING PHASE RED.
2. THE FINAL LOCATIONS OF ALL TRAFFIC CONTROL ITEMS SHALL BE VERIFIED BY THE ENGINEER IN THE FIELD.
3. ALL TRAFFIC SIGNAL MAST ARMS MUST BE DESIGNED FOR THE LOADINGS SHOWN ON THE HIGHWAY STANDARDS OR THESE SIGNAL PLANS, WHICHEVER IS GREATER.
4. TIMINGS SHOWN ARE FOR INITIAL OPERATION AND MAY BE ADJUSTED TO REFLECT SITE CONDITIONS PER APPROVAL OF THE TRAFFIC OPERATIONS ENGINEER.
5. SIGNAL FACES FOR THE NORTH APPROACH ARE NOTED AS "A", "B" FOR THE SOUTH APPROACH, "C" FOR THE WEST APPROACH, AND "D" FOR THE EAST APPROACH.
6. ITEMS REMOVED WILL BECOME THE PROPERTY OF THE CONTRACTOR UNLESS OTHERWISE NOTED ON THE PLANS.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ELECTRICAL SERVICE FOR THE TRAFFIC SIGNALS. THE CONTRACTOR SHALL CONTACT THE UTILITY COMPANY PRIOR TO COMMENCEMENT OF WORK TO OBTAIN UTILITY COMPANY REQUIREMENTS FOR THE SERVICE INSTALLATION

CONC FDN TY E 36D

STA. 1055+65.7; 57.4' RT.	13.0 FT.
STA. 1056+50.6; 49.2' RT.	13.0 FT.
	26.0 FOOT

REMOVE EXISTING HANDHOLE

STA. 1055+56.3; 41' RT.	1 EA.
STA. 1055+44.6; 35' LT.	1 EA.
STA. 1056+52.9; 41' RT.	1 EA.
STA. 1056+56.0; 44' LT.	1 EA.

TOTAL = 4 EACH

REMOVE EXISTING CONCRETE FOUNDATION

STA. 1055+45.1; 26.6' RT.	1 EA.
STA. 1055+53.4; 44.2' RT.	1 EA.
STA. 1055+64.2; 52.7' RT.	1 EA.
STA. 1055+40.9; 35.5' LT.	1 EA.
STA. 1055+71.7; 55.5' LT.	1 EA.
STA. 1056+37.3; 67.0' RT.	1 EA.
STA. 1056+63.3; 37.7' RT.	1 EA.
STA. 1056+47.4; 47.3' LT.	1 EA.
STA. 1056+69.3; 26.8' LT.	1 EA.

TOTAL = 9 EACH

BILL OF MATERIALS

U.S. 51 BUS. & MAIN STREET

ITEM	UNIT	QUANTITY
PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	42
TEMPORARY SIDEWALK	SQ FT	42
SIDEWALK REMOVAL	SQ FT	42
SERVICE INSTALLATION, TYPE A, MODIFIED	EACH	1
CONDUIT IN TRENCH, 1" DIA., PVC	FOOT	117
CONDUIT IN TRENCH, 1 1/2" DIA., PVC	FOOT	148
CONDUIT IN TRENCH, 2" DIA., PVC	FOOT	100
CONDUIT IN TRENCH, 2 1/2" DIA., PVC	FOOT	60
CONDUIT IN TRENCH, 4" DIA., PVC	FOOT	2
CONDUIT, AUGERED 1 1/2" DIA., PVC	FOOT	206
CONDUIT, AUGERED 3" DIA., PVC	FOOT	155
CONDUIT, AUGERED 4" DIA., PVC	FOOT	86
HANDHOLE	EACH	6
DOUBLE HANDHOLE	EACH	1
TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	427
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	516
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	662
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1337
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 18 3 PAIR	FOOT	1432
TRAFFIC SIGNAL POST, GALVANIZED STEEL 12 FT.	EACH	1
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	2
PEDESTRIAN PUSH-BUTTON POST, TYPE II	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 38 FT.	EACH	2
STEEL MAST ARM ASSEMBLY AND POLE, 40 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 48 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	9.3
CONCRETE FOUNDATION, TYPE D	FOOT	3.5
CONCRETE FOUNDATION, TYPE E30-INCH DIAMETER	FOOT	27
CONCRETE FOUNDATION, TYPE E36-INCH DIAMETER	FOOT	26
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, 1-3-SECTION, 1-5-SECTION, BRACKET MOUNTED	EACH	2
PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED	EACH	2
PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, BRACKET MOUNTED	EACH	3
TRAFFIC SIGNAL BACKPLATE	EACH	8
INDUCTIVE LOOP DETECTOR	EACH	10
DETECTOR LOOP, TYPE I	FOOT	867
PEDESTRIAN PUSH-BUTTON	EACH	8
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	4
REMOVE EXISTING CONCRETE FOUNDATION	EACH	9
ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C	FOOT	429

GENERAL NOTES

1. THE FOLLOWING SIGNAL HEADS SHALL BE WIRED IN PARALLEL AT THE MAST POLE HANDHOLE: (A2, A3), (B2, B3), (C2, C3), (C4, C5), (D3, D4) - 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.
9. MASTARM MOUNTED SIGNAL HEADS OVER THROUGH DRIVING LANES SHALL BE ALIGNED OVER THE MIDDLE OF THE DRIVING LANE. MASTARM MOUNTED SIGNAL HEADS OVER LEFT TURN LANES SHALL BE OFFSET 1' FROM THE MIDDLE OF THE LEFT TURN LANE TOWARDS THE MASTARM POLE TO PREVENT MASKING OF OPPOSING LEFT TURN INDICATIONS.

FILE NAME =	USER NAME = bigger-d	DESIGNED -	REVISED -
02\pwr\work\PIWIDOT\BIGGSRD\0145306\7082	sht_signals-fishers.dgn	DRAWN -	REVISED -
	PLOT SCALE = 48.0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 2/19/2010	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

*** F.A.P. 708 & F.A.S. 1517
** DEWITT & MCLEAN**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	4TS & 49TS	**	12	9
CONTRACT NO. 70821				
ILLINOIS FED. AID PROJECT				