

CONCRETE FOUNDATION, TYPE A

Sta. 60+33.1; 0.3' LT.	3.1	FT.
Sta. 61+70.2; 43.6' RT.	3.1	FT.
Sta. 61+67.9; 38.2' LT.	3.1	FT.
Sta. 62+11.7; 38.3' LT.	3.1	FT.
Sta. 62+37.6; 52.1' RT.	3.1	FT.
Sta. 60+33.7; 32.2' RT.	3.1	FT.

TOTAL = 18.6 FT.

CONCRETE FOUNDATION, TYPE E 30 INCH DIA.

Sta. 62+07.0; 68.6' LT.	10	FT.
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CONCRETE FOUNDATION, TYPE E 36 INCH DIA.

Sta. 60+62.4; 46.4' LT.	13	FT.
Sta. 62+75.7; 45.2' RT.	11	FT.

TOTAL = 24 FT.

HANDHOLE

Sta. 60+29.8; 34.3' RT.	1	EA.
Sta. 60+37.3; 0.4' LT.	1	EA.
Sta. 60+67.1; 39.8' LT.	1	EA.
Sta. 61+69.1; 50.4' RT.	1	EA.
Sta. 61+72.5; 39.5' LT.	1	EA.
Sta. 62+15.7; 41.3' LT.	1	EA.
Sta. 62+31.6; 59.6' RT.	1	EA.
Sta. 63+93.2; 40.3' LT.	1	EA.
Sta. 58+42.4; 40.0' LT.	1	EA.

TOTAL = 9 EA.

DOUBLE HANDHOLE

Sta. 62+01.9; 68.6' LT.	1	EA.
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GENERAL NOTES

- THE FINAL LOCATIONS OF ALL TRAFFIC CONTROL ITEMS SHALL BE VERIFIED BY THE ENGINEER IN THE FIELD.
- ALL TRAFFIC SIGNAL MAST ARMS MUST BE DESIGNED FOR THE LOADINGS SHOWN ON THE HIGHWAY STANDARDS OR THESE SIGNAL PLANS, WHICHEVER IS GREATER.
- 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.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ELECTRICAL AND INTERNET SERVICE FOR THE TRAFFIC SIGNALS. THE CONTRACTOR SHALL CONTACT THE UTILITY COMPANIES PRIOR TO COMMENCEMENT OF WORK TO OBTAIN UTILITY COMPANY REQUIREMENTS FOR THE SERVICE INSTALLATIONS.

GULFBOX JUNCTION

Sta. 58+36.0; 33.6' RT.	1	EA.
Sta. 62+44; 254.5' RT.	1	EA.

TOTAL = 2 EA.

TRAFFIC SIGNAL POST, ALUMINUM, 14 FT.

Sta. 60+33.7; 32.2' RT.	1	EA.
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TRAFFIC SIGNAL POST, ALUMINUM, 12 FT.

Sta. 60+33.1; 0.3' LT.	1	EA.
Sta. 61+70.2; 43.6' RT.	1	EA.
Sta. 61+67.9; 38.2' LT.	1	EA.
Sta. 62+11.7; 38.3' LT.	1	EA.
Sta. 62+37.6; 52.1' RT.	1	EA.

TOTAL = 5 EA.

BILL OF MATERIALS

BOWMAN AVENUE & I-74 EASTBOUND RAMPS

<u>ITEM</u>	<u>UNIT</u>	<u>QUANTITY</u>
SERVICE INSTALLATION, TYPE A	EACH	1
UNDERGROUND CONDUIT, PVC, 1" DIA.	FOOT	104
UNDERGROUND CONDUIT, PVC, 1 1/2" DIA.	FOOT	565
UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	691
UNDERGROUND CONDUIT, PVC, 2 1/2" DIA.	FOOT	152
UNDERGROUND CONDUIT, PVC, 3" DIA.	FOOT	256
UNDERGROUND CONDUIT, PVC, 4" DIA.	FOOT	38
UNDERGROUND CONDUIT, PVC, 5" DIA.	FOOT	4
HANDHOLE	EACH	9
DOUBLE HANDHOLE	EACH	1
GULFBOX JUNCTION	EACH	2
LIGHT POLE, WOOD, 35 FOOT, CLASS 3	EACH	1
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	EACH	1
UNINTERRUPTABLE POWER SUPPLY, STANDARD	EACH	1
FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125 6F	FOOT	861
ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	809
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 12 2C	FOOT	861
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1628
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	532
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 18 3 PAIR	FOOT	1875
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	34
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	628
TRAFFIC SIGNAL POST, ALUMINUM 12 FT.	EACH	5
TRAFFIC SIGNAL POST, ALUMINUM 14 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 22 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 34 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 40 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	18.6
CONCRETE FOUNDATION, TYPE C	FOOT	3.5
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	10
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	24
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	6
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	1
SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 1-3-SECTION, 1-5-SECTION, BRACKET MOUNTED	EACH	1
TRAFFIC SIGNAL BACKPLATE	EACH	6
INDUCTIVE LOOP DETECTOR	EACH	11
DETECTOR LOOP, TYPE I	FOOT	601
INTERSECTION VIDEO TRAFFIC MONITORING SYSTEM WITH PTZ CAMERA	EACH	1

GENERAL NOTES

- 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 MOUNTED SIGNAL INDICATIONS SHALL BE MOUNTED OVER THE MIDDLE OF THE RESPECTIVE LANE. AS LOOKING ALONG THE CENTERLINE OF EACH STREET, A MINIMUM 2 FT. HORIZONTAL SEPARATION SHALL BE PLACED BETWEEN THE OUTSIDE SIGNAL HEADS OF EACH OPPOSING MASTARM TO PREVENT MASKING.
- 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.
- THE FOLLOWING SIGNAL HEADS SHALL BE WIRED IN PARALLEL AT THE MAST POLE HANDHOLE: (A2, A3), (B2, B3), (C2, C3) - EACH MAST ARM MOUNTED SIGNAL HEAD SHALL HAVE ITS OWN INDIVIDUAL CABLE FROM THE HANDHOLE LOCATED AT THE BASE OF THE MAST POLE.

FILE NAME =	USER NAME = biggsrd	DESIGNED - RDB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULES, BILL OF MATERIALS		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
ct:\pw_work\pwwork\biggsrd\08277273\0570	958-Design.dgn	DRAWN - RDB	REVISED -		GENERAL NOTES		7045	(92-12)TS	VERMILION	11	9	
	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	CONTRACT NO. 70958
	PLOT DATE = 3/2/2012	DATE -	REVISED -		ILLINOIS FED. AID PROJECT							