

**SCHEDULES**

**CONCRETE FOUNDATION, TYPE A**

Sta. 34+57.6; 35.7' RT.	3.1	FOOT
Sta. 34+81.5; 36.1' LT.	3.1	FOOT
Sta. 35.96.0; 34.5' LT.	3.1	FOOT
Sta. 36+09.0; 34.5' LT.	3.1	FOOT

TOTAL = 12.4 FOOT

**CONCRETE FOUNDATION, TYPE E 36 INCH DIA.**

Sta. 34+93.7; 44.8' LT.	11	FOOT
Sta. 35+75.2; 53.6' RT.	15	FOOT

TOTAL = 26 FOOT

**HANDHOLE**

Sta. 31+28; 36.2' RT.	1	
Sta. 34+44; 38.8' RT.	1	
Sta. 35+08; 59.1' RT.	1	
Sta. 34+89; 37.9' LT.	1	
Sta. 34+85; 48.4' RT.	1	

TOTAL = 5 EACH

**GENERAL NOTES**

1. THE FINAL LOCATIONS OF ALL TRAFFIC CONTROL ITEMS SHALL BE VERIFIED BY THE ENGINEER IN THE FIELD.
2. ALL TRAFFIC SIGNAL MAST ARMS MUST BE DESIGNED FOR THE LOADINGS SHOWN ON THE HIGHWAY STANDARDS OR THESE SIGNAL PLANS, WHICHEVER IS GREATER.
3. 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.
4. 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

**TRAFFIC SIGNAL POST, ALUMINUM, 12 FT.**

Sta. 34+57.6; 35.7' RT.	1	EACH
Sta. 34+81.5; 36.1' LT.	1	EACH
Sta. 36+09.0; 34.5' LT.	1	EACH

TOTAL = 3 EACH

**TRAFFIC SIGNAL POST, ALUMINUM, 14 FT.**

Sta. 35+96.0; 39.7' LT.	1	EACH
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**GULFBOX JUNCTION**

Ramp Approach	1	FOOT
Sta. 97+76; 32.2' RT.	1	FOOT

TOTAL = 2 FOOT

**THERMOPLASTIC PAVMENT MARKING - LINE 24"**

NB APPROACH	26	FOOT
SB APPROACH	14	FOOT
RAMP APPROACH LT.	18	FOOT
RAMP APPROACH RT.	18	FOOT

TOTAL = 76 FOOT

**BILL OF MATERIALS**

IL. 47 & I-74 WB RAMPS

ITEM	UNIT	QUANTITY
ELECTRIC CABLE IN CONDUIT, GROUND, NO. 6 1C (GREEN)	FOOT	448
SERVICE INSTALLATION, TYPE A	EACH	1
CONDUIT IN TRENCH, 1" DIA., PVC	FOOT	23
CONDUIT IN TRENCH, 1 1/2" DIA., PVC	FOOT	845
CONDUIT IN TRENCH, 2" DIA., PVC	FOOT	143
CONDUIT IN TRENCH, 2 1/2" DIA., PVC	FOOT	15
CONDUIT IN TRENCH, 5" DIA., PVC	FOOT	4
CONDUIT PUSHED, 3" DIA., PVC	FOOT	270
HANDHOLE	EACH	5
DOUBLE HANDHOLE	EACH	1
GULFBOX JUNCTION	EACH	2
TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	1006
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	EACH	1
UNINTERRUPTIBLE POWER SUPPLY	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1248
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	252
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 18 3 PAIR	FOOT	1839
ELECTRIC CABLE IN CONDUIT, SERVICE NO. 6 2C	FOOT	36
TRAFFIC SIGNAL POST, ALUMINUM 12 FT.	EACH	3
TRAFFIC SIGNAL POST, ALUMINUM 14 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 32 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 50 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	26
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	7
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	3
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
TRAFFIC SIGNAL BACKPLATE	EACH	4
INDUCTIVE LOOP DETECTOR	EACH	5
DETECTOR LOOP, TYPE I	FOOT	330

**GENERAL NOTES**

1. THE FOLLOWING SIGNAL HEADS SHALL BE WIRED IN PARALLEL AT THE MAST POLE HANDHOLE: (A2, A3), (B2, B3) - 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 THE 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.
8. THE ANTI-BACKUP FEATURE SHALL BE HARDWIRED ON THE BACKPANEL OF THE CONTROLLER CABINET.

FILE NAME =	USER NAME = buggard	DESIGNED - RDB	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	F.A.P. RFE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
cr\pwwork\pwwork\buggard\d0256410\057089-Design.dgn		DRAWN - RDB	REVISED -		326	10-4TS	CHAMPAIGN	8	6
PLOT SCALE = 48.0000' / IN.		CHECKED -	REVISED -		CONTRACT NO. 70889				
PLOT DATE = 2/17/2011		DATE -	REVISED -		SCALE:	SHEET NO.	OF	SHEETS	STA.