

REVISED

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DEPARTMENT OF TRANSPORTATION

CHECKED

DATE

PLOT SCALE = 20.0000 '/ in-

PLOT DATE = 9/27/2011

I ENGINEERING, II South Wells Street Suite 8 190, Illinois 60607

US RTE. 34 ___(5)--(2)-

LAKEWOOD

SPRINGS

PHASE DESIGNATION DIAGRAM

(6)-

SCHEDULE OF QUANTITIES

LEGEND

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▼ SINGLE ENTRY PHASE

DUAL ENTRY PHASE

PEDESTRIAN PHASE

NUMBER REFERS TO

ASSOCIATED PHASE

OVERLAP

DESCRIPTION	UNIT	QUANTITY
SIGN PANEL - TYPE 1	SQ FT	21.5
SIGN PANEL - TYPE 2	SQ FT	30
SERVICE INSTALLATION - GROUND MOUNTED	EACH	1
UNDERGROUND CONDUIT, PVC, 1" DIA.	FOOT	334
UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	922
UNDERGROUND CONDUIT, PVC, 3" DIA.	FOOT	142
UNDERGROUND CONDUIT, PVC, 4" DIA.	FOOT	238
HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	7
DOUBLE HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	1
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 10	FOOT	587
ELECTRIC CABLE IN CONDOTT, 0007 (ALI "TIT E 03E/3"-1/C NO. 10	7001	367
LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 250 WATT	EACH	3
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1
UNINTERRUPTIBLE POWER SUPPLY, EXTENDED	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	849
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	891
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1732
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	717
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1778
ELECTRIC CABLE IN CONDUIT, SERVICE NO. 6 2C	FOOT	28
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUND CONDUCTOR, NO. 6 1C	FOOT	436
TRAFFIC SIGNAL POST, 16FT	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 32 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 40 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 44 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	8
CONCRETE FOUNDATION, TYPE C	FOOT	4
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	43
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	3
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	6
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	2
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	6
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	13
INDUCTIVE LOOP DETECTOR	EACH	7
DETECTOR LOOP, TYPE 1	FOOT	1062
LIGHT DETECTOR	EACH	3
LIGHT DETECTOR AMPLIFIER	EACH	1
PEDESTRIAN PUSH-BUTTON	EACH	6
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	12
REMOVE EXISTING CONCRETE FOUNDATION	EACH	5
ELECTRIC CABLE IN CONDUIT, NO. 20 3/C, TWISTED, SHIELDED	FOOT	586

CONTROLLER SHALL BE ECONOLITE BRAND FOLIPMENT

PEDESTRIAN PUSH-BUTTON DETECTOR SHALL BE 4EVER BRAND EQUIPMENT OR APPROVED EQUAL

20A (A) |(A)

AGENCY RESPONSIBLE FOR ENGERGY CHARGES: CITY OF PLANO CONTRACTOR PAYS ALL ENERGY CHARGES UNTIL PROJECT IS ACCEPTED N = NEUTRAL ---- #10 AWG

LIGHTING CIRCUIT DIAGRAM

CABLE PLAN AND SCHEDULE OF QUANTITIES US RTE 34 AND LAKEWOOD SPRINGS DRIVE SCALE: NTS SHEET NO. 12 OF 14 SHEETS STA.

DETECTOR LOOP INDUCTANCE CHART

NUMBER | INDUCTANCE | FREQUENCY | J PIN

(HERTZ) STATUS

21,329 ON

OFF

ON

OFF

ON

ON

ON

35,672

30.031

35,612

30,031

24,037

23,975

(MH)

282

340

496

513

390

BURN TIME

(PERCENTAGE)

27

66

50

50

BURN TIME

(PERCENTAGE)

77

19

19

50

BURN TIME

(PERCENTAGE

100

100

BURN TIME

(PERCENTAGE)

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A.P. RTE.	SEC.	TION		COUNTY	TOTAL SHEETS	SHEET NO.	
591	13R-2;14R-1 &	BR-1(1)	;15R-1	KENDALL	429	246	
CONTRACT NO. 66985							
ILLINOIS FED. AID PROJECT							