

SCHEDULES

BILL OF MATERIALS

Traffic Signal Modernization
U.S. 45 (Cunningham Ave.) & Kerr Avenue

PC CONC SIDEWALK		TRAFFIC SIGNAL POST, ALUMINUM 16 FT.		REMOVE EXISTING CONCRETE FOUNDATION	
SW QUAD	348 SQ FT.	STA. 290+82.5; 52.1' LT.	1 EACH	STA. 290+73.4; 44.6' LT.	1 EA.
NW QUAD	203 SQ FT.	STA. 290+92.6; 36.1' RT.	1 EACH	STA. 290+80.5; 52.9' LT.	1 EA.
SE QUAD	47 SQ FT.	STA. 291+63.4; 38.5' LT.	1 EACH	STA. 290+89.5; 36.3' RT.	1 EA.
NE QUAD	284 SQ FT.	TOTAL =	3 EACH	STA. 291+05.2; 37.7' RT.	1 EA.
TOTAL =	882 SQ FT.	TOTAL =	3 EACH	STA. 291+14.2; 47.1' RT.	1 EA.
SIDEWALK REMOVAL		CONCRETE FOUNDATION, TYPE A		CONCRETE FOUNDATION, TYPE A	
SW QUAD	343 SQ FT.	STA. 290+82.5; 52.1' LT.	3.1 FT.	STA. 291+48.5; 48.7' LT.	1 EA.
NW QUAD	206 SQ FT.	STA. 290+92.6; 36.1' RT.	3.1 FT.	STA. 291+60.5; 40.2' LT.	1 EA.
SE QUAD	52 SQ FT.	STA. 291+63.4; 38.5' LT.	3.1 FT.	STA. 291+81.2; 59.7' RT.	1 EA.
NE QUAD	291 SQ FT.	TOTAL =	9.3 FT.	STA. 291+83.8; 52.7' RT.	1 EA.
TOTAL =	892 SQ FT.	TOTAL =	9.3 FT.	STA. 291+90.0; 42.2' RT.	1 EA.
TOTAL =		TOTAL =		TOTAL =	10 EACH
HANDHOLE		CONCRETE FOUNDATION, TYPE, 30"		CONCRETE FOUNDATION, TYPE, 36"	
TRAFFIC SIGNALS		STA. 291+20.5; 51.5' RT.	10.0 FT.	STA. 290+58.8; 38.4' LT.	11.0 FT.
STA. 290+61.3; 35.4' LT.	1 EA.	STA. 291+45.7; 51.3' LT.	10.0 FT.	STA. 291+84.1; 48.3' RT.	13.0 FT.
STA. 290+89.2; 33.9' RT.	1 EA.	TOTAL =	20.0 FT.	TOTAL =	24.0 FT.
STA. 291+14.0; 44.0' RT.	1 EA.				
STA. 290+80.2; 48.8' LT.	1 EA.				
STA. 291+70.2; 34.5' LT.	1 EA.				
STA. 288+61.7; 34.0' RT.	1 EA.				
STA. 294+09.1; 31.6' LT.	1 EA.				
INTERCONNECT					
STA. 298+89.1; 30.7' LT.	1 EA.				
STA. 303+69.1; 30.7' LT.	1 EA.				
STA. 108+51.7; 35.9' LT.	1 EA.				
STA. 108+51.7; 48.4' RT.	1 EA.				
STA. 110+10.1; 52.3' RT.	1 EA.				
STA. 111+47.6; 50.9' RT.	1 EA.				
TOTAL =	13 EACH				
GULFBOX JUNCTION REMOVAL					
STA. 287+90.5; 32.6' RT.	1 EA.				
STA. 289+39.7; 32.4' RT.	1 EA.				
STA. 292+99.8; 30.9' LT.	1 EA.				
STA. 294+56.7; 30.4' LT.	1 EA.				
STA. 108+51.7; 48.4' RT.	1 EA.				
STA. 110+10.1; 52.3' RT.	1 EA.				
TOTAL =	6 EACH				

BILL OF MATERIALS

Interconnect - Kerr Ave. to Perkins Rd.

ITEM	UNIT	QUANTITY
CONDUIT IN TRENCH, 2" DIA., PVC	FOOT	1147
CONDUIT, AUGERED 2" DIA., PVC	FOOT	372
HANDHOLE	EACH	6
GULFBOX JUNCTION REMOVAL	EACH	3
ELECTRIC CABLE IN CONDUIT, 600V(XLP-TYPE USE) 1/C NO. 12	FOOT	2434
TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	1147
TRANSCEIVER-FIBER OPTIC	EACH	1
FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, 12F	FOOT	2531

ITEM	UNIT	QUANTITY
SERVICE INSTALLATION, TYPE A	EACH	1
CONDUIT IN TRENCH, 1" DIA., PVC	FOOT	103
CONDUIT IN TRENCH, 2" DIA., PVC	FOOT	52
CONDUIT IN TRENCH, 2 1/2" DIA., PVC	FOOT	60
CONDUIT IN TRENCH, 3" DIA., PVC	FOOT	5
CONDUIT IN TRENCH, 6" DIA., PVC	FOOT	4
CONDUIT, AUGERED 2" DIA., PVC	FOOT	597
CONDUIT, AUGERED 3" DIA., PVC	FOOT	158
CONDUIT, AUGERED 4" DIA., PVC	FOOT	65
HANDHOLE	EACH	7
DOUBLE HANDHOLE	EACH	1
GULFBOX JUNCTION REMOVAL	EACH	4
ELECTRIC CABLE IN CONDUIT, 600V(XLP-TYPE USE) 1/C NO. 10	FOOT	1172
TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	212
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNALNO. 14 3C	FOOT	1559
ELECTRIC CABLE IN CONDUIT, SIGNALNO. 14 5C	FOOT	1004
ELECTRIC CABLE IN CONDUIT, SIGNALNO. 14 7C	FOOT	940
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 18 3 PAIR	FOOT	1438
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	169
TRAFFIC SIGNAL POST, ALUMINUM 16 FT.	EACH	3
PEDESTRIAN PUSH-BUTTON POST, TYPE II	EACH	3
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 28 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 30 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 36 FT.	EACH	1
STEEL COMBINATION 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	20
CONCRETE FOUNDATION, TYPE E36-INCH DIAMETER	FOOT	24
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	8
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, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	6
PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	1
TRAFFIC SIGNAL BACKPLATE	EACH	10
INDUCTIVE LOOP DETECTOR	EACH	8
DETECTOR LOOP, TYPE I	FOOT	880
LIGHT DETECTOR	EACH	2
LIGHT DETECTOR AMPLIFIER	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	6
REMOVE EXISTING CONCRETE FOUNDATION	EACH	10
ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C	FOOT	638
ELECTRIC CABLE IN CONDUIT, NO. 20 3/C, TWISTED, SHIELDED	FOOT	465
PEDESTRIAN PUSH-BUTTON SPECIAL	EACH	8
LUMINAIRE, METAL HALIDE, HORIZONTAL MOUNT 400 WATT	EACH	4

FILE NAME : c:\pwork\p\WIDOT\B1GGSRD\dms85573\70735.sgn	USER NAME : biggsrd	DESIGNED - RDB	REVISED -
PLOT SCALE : 20.0000 "/ IN.	CHECKED -	DATE -	REVISED -
PLOT DATE : 3/26/2010	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE:	SHEET NO.	OF	SHEETS	STA.	TO	STA.
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F.A.P. RTE. 800	SECTION (28X)TS	COUNTY CHAMPAIGN	TOTAL SHEETS 13	SHEET NO. 9
CONTRACT NO. 70735				
ILLINOIS FED. AID PROJECT				