



SCHEDULE OF QUANTITIES

DESCRIPTION	UNIT	QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	L SUM	1
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	138
SIGNAL HEAD, LED, 1-FACE, 1-SECTION, BRACKET MOUNTED	EACH	2
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	4
SIGNAL HEAD, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	2
SIGNAL HEAD, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	2
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	2
TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	8
MODIFY EXISTING CONTROLLER	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
SERVICE INSTALLATION, POLE MOUNT	EACH	1
GROUNDING EXISTING HANDHOLE FRAME AND COVER	EACH	7
UNINTERRUPTIBLE POWER SUPPLY	EACH	1
ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C	FOOT	782

I-90 TOLLWAY RAMPS
CABLE PLAN
NOT TO SCALE

3/30/10 re

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I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE INCAND	WATTAGE LED	% OPERATION	
SIGNAL (RED)	12	17		0.50	102.0
(YELLOW)	12	25		0.25	75.0
(GREEN)	12	15		0.25	45.0
ARROW	12	12		0.10	14.4
ARROW	2	12		1.00	24.0
CONTROLLER	1	100		1.00	100.0
ILLUM. SIGN		35		0.05	
FLASHER					
		135	25	0.50	
TOTAL =					360.4

ENERGY COST TO: Illinois Department of Transportation
 Division of Highways / District 1
 201 W Center Court/Schaumburg, Illinois 60196-1096

ENERGY SUPPLY: CONTACT: _____
 PHONE: _____
 COMPANY: _____

FILE NAME =	USER NAME = .USER.	DESIGNED -	REVISED - REV 1: 3-26-10
#FILE#		DRAWN -	REVISED -
	PLOT SCALE = 5000.0000 1" / IN.	CHECKED - RS	REVISED -
	PLOT DATE = 3/26/2010	DATE - 02-08-2010	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 20 - WEST UNION ROAD TO IL 47
TRAFFIC SIGNALS US 20 AT I-90 RAMPS

SCALE: 20 SHEET NO. 2 OF 2 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
• 2009-089 I	**	**	46	33
• McHENRY & KANE			CONTRACT NO. 60137	
• 525/ 345			ILLINOIS FED. AID PROJECT	

CHANGES TO PLAN SHEET
REVISION 1

1. REMOVED LEGEND
2. REMOVED CABLE SLACK TABLE
3. REMOVED FOUNDATION TABLE
4. REVISED ELECTRICAL SERVICE REQUIREMENTS
5. ADDED DETECTOR LOOPS AND CABLES
6. REVISED PHASE DESIGNATION DIAGRAM TO EXISTING AND PROPOSED
7. ADDED 1/C NO. 6 GROUNDING CABLES
8. ADDED PROPOSED SERVICE INSTALLATION
9. REVISED SCHEDULE OF QUANTITIES