

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	113 & 114R-5	WILL	525	367
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT:	
CONTRACT # 62417				

SUMMARY OF QUANTITIES

DESIGNATION	UNIT	TOTAL QUANTITIES	ILL. RTE. 59 @ FRASER RD./FEENEY DR.	ILL. RTE. 59 @ RENWICK RD.	ILL. RTE. 59 @ FORT BEGGS DR.	TEMPORARY INTERCONNECT	PROPOSED INTERCONNECT
SIGN PANEL - TYPE 1	SQ FT	102	45	31.5	25.5	-	-
CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL	FOOT	6652	508	488	605	-	5051
CONDUIT IN TRENCH, 2 1/2" DIA., GALVANIZED STEEL	FOOT	322	32	82	208	-	-
CONDUIT IN TRENCH, 3" DIA., GALVANIZED STEEL	FOOT	38	38	-	-	-	-
CONDUIT IN TRENCH, 4" DIA., GALVANIZED STEEL	FOOT	60	10	34	16	-	-
CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL	FOOT	799	110	49	78	-	562
CONDUIT PUSHED, 3" DIA., GALVANIZED STEEL	FOOT	146	146	-	-	-	-
CONDUIT PUSHED, 3 1/2" DIA., GALVANIZED STEEL	FOOT	68	68	-	-	-	-
CONDUIT PUSHED, 4" DIA., GALVANIZED STEEL	FOOT	608	104	324	180	-	-
HANDHOLE	EACH	22	4	6	4	-	8
HEAVY-DUTY HANDHOLE	EACH	9	4	4	1	-	-
DOUBLE HANDHOLE	EACH	4	2	1	1	-	-
TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	7205	583	813	758	-	5051
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1	-	-	-	-	1
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	3	1	1	1	-	-
TRANSCIEVER - FIBER OPTIC	EACH	3	1	1	1	-	-
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1676.5	969	382	325.5	-	-
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	3104.5	1660	770	674.5	-	-
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	2653	809	856	988	-	-
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	3942.5	1636	1671	635.5	-	-
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	7008	2524	2865	1619	-	-
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	FOOT	296.5	26	42	228.5	-	-
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	6	-	3	3	-	-
TRAFFIC SIGNAL POST, GALVANIZED STEEL 18 FT.	EACH	1	-	-	1	-	-
STEEL MAST ARM ASSEMBLY AND POLE, 22 FT.	EACH	1	-	-	1	-	-
STEEL MAST ARM ASSEMBLY AND POLE, 30 FT.	EACH	4	2	2	-	-	-
STEEL MAST ARM ASSEMBLY AND POLE, 34 FT.	EACH	1	-	-	1	-	-
STEEL MAST ARM ASSEMBLY AND POLE, 38 FT.	EACH	1	-	1	-	-	-
STEEL MAST ARM ASSEMBLY AND POLE, 52 FT.	EACH	1	-	1	-	-	-
STEEL MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 28 FT. AND 50 FT.	EACH	1	1	-	-	-	-
STEEL MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 38 FT. AND 44 FT	EACH	1	1	-	-	-	-
CONCRETE FOUNDATION, TYPE A	FOOT	28	-	12	16	-	-
CONCRETE FOUNDATION, TYPE C	FOOT	12	4	4	4	-	-
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	45	30	-	15	-	-
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	105	30	60	15	-	-
DRILL EXISTING HANDHOLE	EACH	3	-	-	-	-	3
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	11	4	4	3	-	-
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2	-	-	2	-	-
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	8	2	4	2	-	-
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	11	6	4	1	-	-
SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED	EACH	1	-	-	1	-	-
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED	EACH	6	2	2	2	-	-
PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED	EACH	2	-	1	1	-	-
TRAFFIC SIGNAL BACKPLATE	EACH	12	-	8	4	-	-
TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	10	10	-	-	-	-
INDUCTIVE LOOP DETECTOR	EACH	29	10	12	7	-	-
* LIGHT DETECTOR	EACH	6	2	2	2	-	-
* LIGHT DETECTOR AMPLIFIER	EACH	3	1	1	1	-	-
PEDESTRIAN PUSH-BUTTON	EACH	8	2	3	3	-	-
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	2	-	1	1	-	-
MODIFY EXISTING CONTROLLER	EACH	1	-	-	-	-	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	2	-	1	1	-	-
REMOVE EXISTING HANDHOLE	EACH	19	-	10	5	4	-
REMOVE EXISTING CONCRETE FOUNDATION	EACH	12	-	9	3	-	-
ELECTRIC CABLE IN CONDUIT, TRACER NO. 14 1C	FOOT	7550	-	-	-	-	7550
PERFORMED DETECTOR LOOP	FOOT	2583	887	1239	457	-	-
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	2	-	1	1	-	-
SERVICE INSTALLATION - POLE MOUNTED	EACH	3	1	1	1	-	-
UNINTERRUPTIBLE POWER SUPPLY	EACH	3	1	1	1	-	-
FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM12F	FOOT	7628	-	-	-	-	7628
* ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C	FOOT	2037.5	493	799	745.5	-	-
ELECTRIC CABLE IN CONDUIT NO. 20 3/C, TWISTED, SHIELDED	FOOT	873	290	313	270	-	-
TEMPORARY TRAFFIC SIGNAL INTERCONNECTION SYSTEM	L SUM	1	-	-	-	1	-
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM - LEVEL II	EACH	1	-	-	-	-	1

* 100% COST TO VILLAGE OF PLAINFIELD



GANDHI AND ASSOCIATES, INC.
ENGINEERS AND PLANNERS
6035 N. WORTHWEST HIGHWAY
SUITE 306
CHICAGO, ILLINOIS 60631 TEL. (773) 774-5910

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
SUMMARY OF QUANTITIES
TRAFFIC SIGNAL INSTALLATION
ILLINOIS ROUTE 59
FROM FRASER RD./FEENEY DR. TO
US ROUTE 30
SCALE: N.T.S.
DATE: 03/18/2008
DRAWN BY: BB,KP
DESIGNED BY: PKG/RRM
CHECKED BY: PKG/RRM