

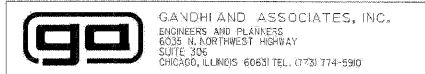
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	•	McHENRY	502	268
STA. 9+35.22		TO STA.142+08.53		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

SUMMARY OF TRAFFIC SIGNAL QUANTITIES

DESIGNATION	JUNIT	TOTAL QUANTITIES	ILL. RTE 47 @ KREUTZER ROAD	ILL. RTE. 47 @ MAIN STREET	ILL. RTE. 47 @ ALGONQUIN ROAD	ILL. RTE. 47 @ REED ROAD	PROPOSED INTERCONNECT
SIGN PANEL - TYPE 1	50 FT	265	73	92	73	27	-
CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL	FOOT	11767	524	637	1051	653	8902
CONDUIT IN TRENCH, 2 1/2" DIA., GALVANIZED STEEL	FOOT	366	98	65	85	118	-
CONDUIT IN TRENCH, 3" DIA., GALVANIZED STEEL	FOOT	182	55	68	59	-	-
CONDUIT IN TRENCH, 4" DIA., GALVANIZED STEEL	FOOT	277	116	74	87	-	-
CONDUIT IN TRENCH, 5" DIA., GALVANIZED STEEL	FOOT	40	10	10	10	10	-
CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL	FOOT	2209	212	462	274	148	1113
CONDUIT PUSHED, 2 1/2" DIA., GALVANIZED STEEL	FOOT	105	-	105	-	-	-
CONDUIT PUSHED, 4" DIA., GALVANIZED STEEL	FOOT	2231	327	958	455	491	-
HANDHOLE	EACH	39	5	9	6	4	15
HEAVY-DUTY HANDHOLE	EACH	16	5	2	4	5	-
DOUBLE HANDHOLE	EACH	9	2	3	2	2	-
TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	12329	744	826	1105	752	8902
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1	1	-	-	-	-
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	4	1	1	1	1	-
TRANSCEIVER - FIBER OPTIC	EACH	4	1	1	1	1	-
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	4044	-	1036	1575	1433	-
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	8318	994	2546	2636	2142	-
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	15442	3539	7474	3105	1324	-
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	6144	1185	873	1462	2624	-
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	13207	3210	3389	3754	2854	-
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	FOOT	349	30	134	46	140	-
TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.	EACH	8	1	6	1	-	-
TRAFFIC SIGNAL POST, GALVANIZED STEEL 15 FT.	EACH	1	-	1	-	-	-
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	9	2	-	3	4	-
STEEL MAST ARM ASSEMBLY AND POLE, 32 FT.	EACH	1	1	-	-	-	-
STEEL MAST ARM ASSEMBLY AND POLE, 36 FT.	EACH	3	-	1	-	2	-
STEEL MAST ARM ASSEMBLY AND POLE, 40 FT.	EACH	1	-	-	1	-	-
STEEL MAST ARM ASSEMBLY AND POLE, 44 FT.	EACH	1	-	-	1	-	-
STEEL MAST ARM ASSEMBLY AND POLE, 48 FT.	EACH	1	-	-	1	-	-
STEEL MAST ARM ASSEMBLY AND POLE, 50 FT.	EACH	3	1	1	1	-	-
STEEL MAST ARM ASSEMBLY AND POLE, 60 FT.	EACH	4	2	1	-	1	-
STEEL MAST ARM ASSEMBLY AND POLE, 64 FT.	EACH	1	-	-	-	1	-
STEEL MAST ARM ASSEMBLY AND POLE, 72 FT.	EACH	1	-	1	-	-	-
CONCRETE FOUNDATION, TYPE A	FOOT	72	12	28	16	16	-
CONCRETE FOUNDATION, TYPE C	FOOT	16	4	4	4	4	-
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	135	30	30	45	30	-
CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER	FOOT	175	50	50	25	50	-
DRILL EXISTING HAND-OLE	EACH	1	-	-	-	-	1
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	38	9	16	9	4	-
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	4	-	4	-	-	-
SIGNAL HEAD, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	2	-	2	-	-	-
SIGNAL HEAD, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	2	-	2	-	-	-
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	12	3	-	3	6	-
SIGNAL HEAD, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED	EACH	4	1	2	1	-	-
SIGNAL HEAD, LED, 2-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2	-	-	-	2	-
SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED	EACH	8	3	-	3	2	-
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	16	-	2	8	6	-
PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	4	-	3	-	1	-
TRAFFIC SIGNAL BACKPLATE	EACH	52	12	18	12	10	-
INDUCTIVE LOOP DETECTOR	EACH	50	13	12	12	13	-
* LIGHT DETECTOR	EACH	15	4	4	4	3	-
* LIGHT DETECTOR AMPLIFIER	EACH	4	1	1	1	1	-
PEDESTRIAN PUSH-BUTTON	EACH	20	-	5	8	7	-
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	3	-	1	1	1	-
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	3	-	1	1	1	-
REMOVE EXISTING HANDHOLE	EACH	36	-	16	9	11	-
REMOVE EXISTING CONCRETE FOUNDATION	EACH	26	-	12	9	5	-
REMOVE TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1	1	-	-	-	-
ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	12049	-	-	-	-	12049
PREFORMED DETECTOR LOOP	FOOT	5080	1547	1375	573	1585	-
PAINT NEW TRAFFIC SIGNAL POST	EACH	18	3	7	4	4	-
PAINT NEW MAST ARM POLE, UNDER 40 FEET	EACH	4	1	1	-	2	-
PAINT NEW MAST ARM POLE, 40 FEET AND OVER	EACH	12	3	3	4	2	-
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	4	1	1	1	1	-
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM - LEVEL II	EACH	1	-	-	-	-	1
SERVICE INSTALLATION - POLE MOUNTED	EACH	4	1	1	1	1	-
UNINTERRUPTIBLE POWER SUPPLY	EACH	4	1	1	1	1	-
FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM12F	FOOT	12127	-	-	-	-	12127
* ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C	FOOT	4263	932	1511	911	950	-
ELECTRIC CABLE IN CONDUIT NO. 20 3/C, TWISTED, SHIELDED	FOOT	3948	994	993	989	591	-
ELECTRIC CABLE IN CONDUIT, RAILROAD NO. 14 3/C	FOOT	210	-	210	-	-	-
MODIFY TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1	1	-	-	-	-
RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1	-	1	-	-	-
STEEL CASINGS 8"	FOOT	182	-	182	-	-	-

* 100% COST TO VILLAGE OF HUNTLEY

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.



ILLINOIS DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
TRAFFIC SIGNAL INSTALLATION
ILLINOIS ROUTE 47
FROM KREUTZER RD. TO
REED RD.

REVISIONS	
NAME	DATE

SCALE: NONE
DATE: APRIL 17, 2009
DRAWN BY: MAA
DESIGNED BY: PKG/RRW
CHECKED BY: PKG/RRW