

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	*	McHENRY	502	268
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT:	

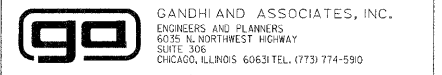
* (105X & 106) WRS-2

SUMMARY OF TRAFFIC SIGNAL QUANTITIES

DESIGNATION	UNIT	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	SQ FT	305	73	132	73	27	-
METAL POST - TYPE A	FOOT	104	-	104	-	-	-
CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL	FOOT	11771	546	637	1051	653	8884
CONDUIT IN TRENCH, 2 1/2" DIA., GALVANIZED STEEL	FOOT	384	116	65	85	118	-
CONDUIT IN TRENCH, 3" DIA., GALVANIZED STEEL	FOOT	171	44	68	59	-	-
CONDUIT IN TRENCH, 4" DIA., GALVANIZED STEEL	FOOT	236	75	74	87	-	-
CONDUIT IN TRENCH, 5" DIA., GALVANIZED STEEL	FOOT	40	10	10	10	10	-
CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL	FOOT	2322	325	462	274	148	1113
CONDUIT PUSHED, 2 1/2" DIA., GALVANIZED STEEL	FOOT	105	-	105	-	-	-
CONDUIT PUSHED, 4" DIA., GALVANIZED STEEL	FOOT	2386	482	958	455	491	-
HANDHOLE	EACH	40	6	9	6	4	15
HEAVY-DUTY HANDHOLE	EACH	15	4	2	4	5	-
DOUBLE HANDHOLE	EACH	9	2	3	2	2	-
TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	12328	761	826	1105	752	8884
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	8368	1044	2546	2636	2142	-
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	15452	3549	7474	3105	1324	-
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	6122	1163	873	1462	2624	-
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	13382	3385	3389	3754	2854	-
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	FOOT	349	30	134	45	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	10	3	-	3	4	-
STEEL MAST ARM ASSEMBLY AND POLE, 34 FT.	EACH	1	1	-	-	-	-
STEEL MAST ARM ASSEMBLY AND POLE, 36FT.	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	2	-	1	1	-	-
STEEL MAST ARM ASSEMBLY AND POLE, 54 FT.	EACH	1	1	-	-	-	-
STEEL MAST ARM ASSEMBLY AND POLE, 56 FT.	EACH	1	1	-	-	-	-
STEEL MAST ARM ASSEMBLY AND POLE, 60 FT.	EACH	2	-	1	-	1	-
STEEL MAST ARM ASSEMBLY AND POLE, 62 FT.	EACH	1	1	-	-	-	-
STEEL MAST ARM ASSEMBLY AND POLE, 64FT.	EACH	1	-	-	-	1	-
STEEL MAST ARM ASSEMBLY AND POLE, 72 FT.	EACH	1	-	1	-	-	-
CONCRETE FOUNDATION, TYPE A	FOOT	76	16	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	167	42	50	25	50	-
DRILL EXISTING HANDHOLE	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	12047	-	-	-	-	12047
PREFORMED DETECTOR LOOP	FOOT	4986	1455	1375	573	1585	-
PAINT NEW TRAFFIC SIGNAL POST	EACH	18	4	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	12125	-	-	-	-	12125
ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C	FOOT	4389	1017	1511	911	950	-
ELECTRIC CABLE IN CONDUIT NO. 20 3/C, TWISTED, SHIELDED	FOOT	3617	1044	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
ADDENDUM A	12/21/2009

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