F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
337	20R-5	LAKE	502	413
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
D-91-552-99	CONTRACT #60881			

TABLE 1

EXISTING LUMINAIRE NUMBER	MOUNTING HEIGHT (m)	WATTAGE (HPS)	TILT (DEGREES)	EXISTING STATION	EXISTING OFFSET	PROPOSED LUMINAIRE NUMBER	PROPOSED STATION	PROPOSED OFFSET	FINAL BOC LOCATION
3X11	10.5	250	0	102+556	13.6 RT	3X11	-	-	-
3X12	10.5	250	0	102+597.5	13.7 RT	3X12	-	-	-
3X13	10.5	250	0	102+635	13.6 RT	3X13	-	-	-
3X14	10.5	250	0	102+695	13.0 RT	3X14	-	-	-
3X15	10.5	250	0	102+736	12.2 RT	3X15	-	-	-
3X21	10.5	250	0	102+349	13.5 RT	3X21	-	-	-
3X22	10.5	250	0	102+395	13.3 RT	3X22	-	-	-
3X23	10.5	250	0	102+438	13.4 RT	3X23	-	-	-
3X24	10.5	250	0	102+478	13.5 RT	3X24	-	-	-
3X25	10.5	250	0	102+517	13.5 RT	3X25	-	-	-
3X26	10.5	250	0	102+477.5	13.5 RT	3X26	-	-	-
3X31	10.5	250	0	101+986	10.7 LT	3X31	101+986	13.0 LT	0.921
3X32	10.5	250	0	101+945	10.3 LT	3X32	101+945	12.6 LT	0.934
3X33	10.5	250	0	101+896	10.6 LT	3X33	101+896	13.7 LT	0.9144
3X34	10.5	250	0	101+852	12.5 LT	3X34	101+852	12.7 LT	0.9
3X35	10.5	250	0	102+030	11.3 LT	3X35	102+027	12.2 LT	0.9144
3X36	10.5	250	0	102+066	13.0 LT	3X36	-	-	-
3X37	10.5	250	0	102+117.3	13.2 LT	3X37	-	-	-
3X38	10.5	250	0	102+164	12.8 LT	3X38	-	-	-
3X39	10.5	250	0	102+209.5	13.4 LT	3X39	-	-	-
3X310	10.5	250	0	102+256	13.1 LT	3X310	-	-	-
3X311	10.5	250	0	102+302	13.5 LT	3X311	-	-	-
3X312	10.5	250	0	102+341	13.5 LT	3X312	-	-	-
3X313	10.5	250	0	102+394	13.6 LT	3X313	-	-	-
3X314	10.5	250	0	102+436	13.5 LT	3X314	-	-	-
3X41	10.5	250	0	101+811	12.2 LT	3X41	101+808	13.6 LT	0.9
3X42	10.5	250	0	101+767	13.2 LT	3X42	101+767	13.7 LT	0.944
3X43	10.5	250	0	101+723	13.0 LT	3X43	101+723	13.6 LT	0.9144
3X44	10.5	250	0	101+680	12.8 LT	3X44	101+680	13.7 LT	0.9144
3X45	10.5	400	7	101+630.6	15.9 LT	-	REMOVE	REMOVE	-
3X46	10.5	250	0	10+259	11.5 RT	3X47	-	-	-
3X47	10.5	250	0	10+310.6	11.7 RT	3X48	-	-	-
3X51	10.5	250	0	101+460.4	12.6 LT	3X53	101+460.4	13.5 LT	0.9144
3X52	10.5	250	0	101+505	12.6 LT	3X52	101+508	13.5 LT	0.9144
3X53	10.5	250	0	101+552	12.1 LT	3X51	101+555	15.3 LT	0.9144
3X54	10.5	400	7	101+596.6	14.6 LT	-	REMOVE	REMOVE	-
3X55	10.5	250	0	10+259	11.8 LT	3X103	10+259	15.1 LT	2.944
3X56	10.5	250	0	10+310.3	11.7 LT	3X104	10+310.3	12.8 LT	0.958
3X57	10.5	250	0	FV*	FV*	3X105	-	-	-
3X64	10.5	250	0	10+057.1	11.3 LT	3X64	-	-	-
3X65	10.5	250	0	10+112	11.8 LT	3X65	-	-	-
3X66	10.5	250	0	10+143	11.7 LT	3X66	-	-	-
3X67	10.5	400	7	101+590.2	15.5 RT	-	REMOVE	REMOVE	-
3X71	10.5	250	0	101+552	12.7 RT	3X71	101+552	13.9 RT	0.9144
3X72	10.5	250	0	101+505	13.8 RT	3X72	101+505	17.2 RT	0.9144
3X84	10.5	250	0	10+057.1	12.0 RT	3X84	-	-	-
3X85	10.5	250	0	10+100.3	11.9 RT	3X85	10+103.3	15.0 RT	0.914
3X86	10.5	250	0	10+143	11.8 RT	3X86	10+143	12.5 RT	3.044
3X87	10.5	400	7	101+637.5	15.3 RT	-	REMOVE	REMOVE	-
3X91	10.5	250	0	101+986	16.1 RT	3X91	-	-	-
3X92	10.5	250	0	101+945	16.6 RT	3X92	-	-	-
3X93	10.5	250	0	101+896	16.1 RT	3X93	-	-	-
3X94	10.5	250	0	101+842.5	16.0 RT	3X94	-	-	-
3X95	10.5	250	0	101+811	14.7 RT	3X95	-	-	-
3X96	10.5	250	0	101+767	13.2 RT	3X96	-	-	-
3X97	10.5	250	0	101+723	14.0 RT	3X97	-	-	-
3X98	10.5	250	0	101+680	14.3 RT	3X98	-	-	-
3X99	10.5	250	0	102+030	15.3 RT	3X99	-	-	-
3X910	10.5	250	0	102+075	16.0 RT	3X910	-	-	-
3X911	10.5	250	0	102+118.3	13.9 RT	3X911	-	-	-
3X912	10.5	250	0	102+164	13.6 RT	3X912	-	-	-
3X913	10.5	250	0	102+209.5	13.5 RT	3X913	-	-	-
3X914	10.5	250	0	102+256	13.5 RT	3X914	-	-	-
3X915	10.5	250	0	102+302	13.5 RT	3X915	-	-	-

FV* = FIELD VERIFY

TABLE 1 CONTINUED

PROPOSED LUMINAIRE NUMBER	MOUNTING HEIGHT (m)	WATTAGE (HPS)	TILT (DEGREES)	PROPOSED STATION	PROPOSED OFFSET	FINAL BOC LOCATION
3X45	12.2	400	7	101+630.6	18.5 LT	0.9144
3X46	12.2	400	7	101+630.6	18.5 LT	0.9144
3X54	12.2	400	7	101+596.6	19.6 LT	0.9144
3X55	12.2	400	7	101+596.6	19.6 LT	0.9144
3X54	10.5	250	0	101+412.8	14.9LT	2.3
3X55	10.5	250	0	101+365.3	15.1LT	3.5
3X56	10.5	250	0	101+317.8	11.7LT	0.9144
3X57	10.5	250	0	101+270	11.7LT	0.9144
3X67	12.2	400	7	102+589.7	18.0 RT	0.955
3X68	12.2	400	7	102+589.7	18.0 RT	0.955
3X73	10.5	250	0	101+460.4	14.6RT	0.9144
3X74	10.5	250	0	101+412.8	11.7RT	0.9144
3X75	10.5	250	0	101+365.3	11.7RT	0.9144
3X76	10.5	250	0	101+317.8	11.7RT	0.9144
3X87	12.2	400	7	102+636.9	20.5 RT	3.29
3X88	12.2	400	7	102+636.9	20.5 RT	3.29
4X11	10.5	250	0	103+460.8	13.0LT	2.22
4X12	10.5	250	0	103+416.6	11.9LT	1.17
4X13	10.5	250	0	103+372.4	11.7LT	0.983
4X14	10.5	250	0	103+324.7	14.9LT	1.05
4X15	10.5	250	0	103+277.3	11.7LT	0.927
4X16	10.5	250	0	103+229.6	13.3LT	2.55
4X17	10.5	250	0	103+172.5	15.3LT	4.02
4X18	10.5	250	0	103+124.5	14.8LT	4.12
4X19	10.5	250	0	103+077.5	14.8LT	4.05
4X110	10.5	250	0	103+027.5	15.2LT	3.85
4X111	10.5	250	0	102+981.6	16.4LT	3.97
4X112	10.5	250	0	102+934.2	17.4LT	4.12
4X21	10.5	250	0	103+460.8	11.6RT	0.848
4X22	10.5	250	0	103+416.6	11.8RT	0.903
4X23	10.5	250	0	103+377.2	17.6RT	0.893
4X24	10.5	250	0	103+324.7	11.6RT	0.914
4X25	10.5	250	0	103+277.8	11.7RT	0.955
4X26	10.5	250	0	103+230.0	11.6RT	0.923
4X27	10.5	250	0	103+121.3	11.5RT	0.761
4X28	10.5	250	0	103+124.1	11.6RT	0.84
4X29	10.5	250	0	103+076.4	11.6RT	0.893
4X210	10.5	250	0	103+029.4	11.7RT	0.929
4X211	10.5	250	0	102+982.2	11.7RT	0.933
4X212	10.5	250	0	102+934.9	11.6RT	0.879
4X31	10.5	250	0	103+504.9	14.6LT	3.56
4X32	10.5	250	0	103+549.1	14.6LT	4.45
4X33	10.5	250	0	103+593.2	15.9LT	5.13
4X34	10.5	400	5	103+638.3	16.3LT	3.96
4X35	10.5	400	5	103+638.3	16.3LT	3.96
4X36	10.5	400	5	103+673.9	17.2LT	1.36
4X37	10.5	250	0	103+722.7	18.6LT	4.23
4X38	10.5	250	0	103+773.1	17.5LT	3.15
4X39	10.5	250	0	103+821.1	17.6LT	3.3
4X310	10.5	250	0	103+863.6	13.6LT	2.38
4X41	10.5	250	0	103+504.9	11.6RT	1.15
4X42	10.5	250	0	103+549.1	12.5RT	1.19
4X43	10.5	250	0	103+593.2	11.8RT	1.12
4X44	10.5	400	5	103+640.0	15.3RT	3.77
4X45	10.5	400	5	103+673.9	15.0RT	0.542
4X46	10.5	400	5	103+673.9	15.0RT	0.542
4X47	10.5	250	0	103+722.7	14.4RT	3.65
4X48	10.5	250	0	103+773.1	11.6RT	0.872
4X49	10.5	250	0	103+821.1	11.5RT	0.756
4X410	10.5	250	0	103+846.9	11.7RT	0.497
5X11	10.5	250	0	102+477.2	11.6LT	0.914
5X12	10.5	250	0	102+516.8	11.6LT	0.914
5X13	10.5	250	0	102+556.2	11.6LT	0.914
5X14	10.5	250	0	102+602.1	11.6LT	0.914
5X15	10.5	250	0	102+635.2	11.6LT	0.914
5X16	10.5	250	0	102+694.6	11.7LT	0.97
5X17	10.5	250	0	102+737.7	14.0LT	2.48
5X18	10.5	250	0	102+781.7	13.2LT	0.914
5X19	10.5	400	5	102+832.8	18.8LT	1.06
5X110	10.5	400	5	102+866.6	18.3LT	3.77
5X111	10.5	400	5	102+866.6	18.3LT	3.77
5X112	10.5	250	0	102+904.8	15.6LT	2.94
5X21	10.5	250	0	102+782.3	11.6RT	0.914
5X22	10.5	400	5	102+830.1	12.16RT	0.935
5X23	10.5	400	5	102+830.1	12.16RT	0.935
5X24	10.5	400	5	102+871.3	20.6RT	4.48
5X25	10.5	250	0	102+905.4	11.9RT	0.394

TABLE 2 - LIGHT POLE FOUNDATION DESIGN TABLE

TYPE OF SOIL	DESIGN DEPTH		REINFORCEMENT IN FOUNDATION			
	SINGLE ARM D	TWIN ARM D	SINGLE ARM VERT. BARS	SPIRAL	TWIN ARM VERT. BARS	SPIRAL
SOFT CLAY	13'-0"	15'-0"	4-#6X12'-6"	#3X122'	4-#6X14'-6"	#3X141'
MEDIUM CLAY	9'-6"	10'-9"	4-#6X9'-0"	#3X90'	4-#6X10'-3"	#3X100'
STIFF CLAY	8'-0"	8'-0"	4-#6X7'-6"	#3X76'	4-#6X7'-6"	#3X76'
LOOSE SAND	9'-0"	10'-0"	4-#6X8'-6"	#3X85'	4-#6X9'-6"	#3X94'
MEDIUM SAND	8'-3"	9'-0"	4-#6X7'-9"	#3X78'	4-#6X8'-6"	#3X85'
DENSE SAND	8'-0"	9'-0"	4-#6X7'-6"	#3X76'	4-#6X8'-6"	#3X85'

NOTES:

1. CONTRACTOR AT HIS OPTION MAY SUBSTITUTE #3 HOOPS AT 12" ON CENTERS FOR SPIRAL CAGE
2. CONTRACTOR SHALL USE THE VALUES FOR TWIN ARM INSTALLATION FOR THIS PROJECT

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
IL RTE 22 (FAP 337)
IL RTE 83 TO US 45 / IL 21 (MILWAUKEE AVE)

LIGHT POLE SCHEDULES

SCALE: 1:500 DRAWN BY: CMW

DATE: 03-22-2004 CHECKED BY: MAR

FINAL / SURVEY / NOTE BOOK / NO. — BY / DATE / SURVEYED / PLOTTED / TEMPLATE / AREAS CHECKED

ORIGINAL / SURVEY / NOTE BOOK / NO. — BY / DATE / SURVEYED / PLOTTED / TEMPLATE / AREAS CHECKED