LIGHTING QUANTITIES SUB-SUMMARY

QUANTITIES
Mode: LWL 5-16-73
Ckd: JRK 6-20 73

FED RD DIVISION	STATE	PROJECT	
5	OHIO	I-90-1(88)46	

103
111

LAKE COUNTY
LAK. 90-3.56

REFERENCE NO.	SIDE	STATION	STATION	A Light Pole Design No. A30888.50 Style III	B Light Pole Design No. AT15334.2 Style II	C Light Pole Design No. AT10834.2 Style II	Bracket Arm 15'-0"	Light Pole Foundation, 2'-6"x6'-0"	Light Pole Foundation, 2'-6"x10'-0"	Luminaire, Type II, 400 watt, 713.11	Luminaire, Type III, 400 watt, 713.11	Lamp 400 watt, 713.04, Mercury.	Ground Rod	Pull Box, 18"-inch Circular, 713.09	Trench-24-inch deep	Conduit, 2-inch, 713.04, Type III	Conduit, 3-inch, 713.04, Type III, Jacked under Pavement	No. 4 AWG, 600 volt Distribution Cable	No. 1 0 AWG, Pole and Bracket Cable	1½-inch Duct Cable with Three No. 4 AWG, 600 volt cables.	1½-inch Duct Cable with Two No. 4 AWG, 600 volt cables.	Connector Kit, Type I	Connector Kit, Type II	Connector Kit, Type III	Connector Kit, Type VIII-A	Connector Kit, Type VIII-B	Connector Kit, Type VIII-C	Control Center "SE-44"	Conduit, 3-inch, 713.04 Type III, Directly Buried
S.R-44		UNIT		Ea.	Ea.	Ea.	Ea.	Ea.	Ea.	Ea.	Ea.	Ea.	Ea.	Ea.	L.F.	Lin.Ft.	Lin.Ft.	Lin.Ft.	Lin.Ft.	Lin.Ft.	Lin.Ft.	Ea.	Ea.	Ea.	Ea.	Ea.	Ea.	Lu.	L.F.
1	Lt.	345+60 ℄I-90			1			1			1		1	1					100										
2	Lt.	345+60	349+37 ℄I-90		1			1			1		1	1		380				100	390			1	1					
3	Lt.	349+37	352+85		1			1			1		1	1		350				100	360			1	1					
4		352+85 ℄I-90	13+55 "A"			1		1		1			1	1		1600				90	1610			1	1					
5		13+55 "A"	14+75 "A"												1	130					140					2				
6		134+85 ℄SR44			1			1			1		1	1						100				1	1					
7		134+85	131+52 ℄SR44				1				1		1			335				100	345			2	2					
8		131+52 ℄SR44	15+20 "A"			1		1		1			1	1		145				90	155			1	1					
9		15+20 "A"	14+75 "A"													40					50									
10		14+75 "A"	129+59 SR44												2	70			100		80		2				2			
11		128+43 SR44			1			1			1		1	1						100				1	1					
12		128+43	0-82			1		1		1			1	1	1	70			30	80	90	80		2	1	1					
13		0-82	129+59 SR44													50						60								
14		129+93 SR44			1			1			1		1	1						100				1	1					
15		129+93	129+59 Lt.													70						80								
16		129+59 Lt.	129+59 Rt.												4	40				200		60		4			2			
17		129+70 Rt.			1			1			1		1	1						100				1	1					
18		129+70	129+59 Rt.													20						30								
19		129+59 Rt.	127+70		1			1			1		1	1	2	180				90	100	190		4	1	1					
20		127+70	370+92 Lt ℄I-90												1	185						195					2				
21		126+66 SR44	370+92 I-90												2	180				200		100		2			2		90	
22		370+92 EB ℄I-90	370+92 WB ℄I-90												2	70				100		80		2			2			
23		124+95 SR44	370+92 WB ℄I-90	1					1		2		2	1		90					220	100			1	1					
24		370+92 Lt.	370+92 Rt.												1					160							2			
25		361+52 Rt.			1			1			1		1	1						100				1	1					
26		361+52	369+25												1	775					795						2			
27		369+25	369+90												1	65					75						2			
28		122+93 SR44	369+90												1	110				240		120				2			110	
29		369+90	370+92 Rt WB													100						110								
30		370+92 Rt. WB	372+10		1			1			1		1	1		125				100	135			1	1					
31		372+10 I-90	6+00 Ramp C												1	140					150						2			
32		373+52	6+00		1			1			1		1	1		15			30	100	100			1	1					15
33		6+00 "C"	6+40			1		1		1			1	1		40					90	50			1	1					
34		6+40	7+75			1		1		1			1	1		135					90	145			1	1					
35		7+75	9+10			1		1		1			1	1		135					90	145			1	1					
36		9+10	10+00												1	90						100					2			
37		118+00 SR44 Lt.	120+48 SR44 Lt.		2			2			2		2	2		240					200	250			2	2					
38		118+00 SR44 Lt.	118+00 SR44 Rt.												3	50			85	200		55		4			2			
39		118+00 SR44 Rt	0+95 Ramp D												1	60						70					2			
40		1+05 "D"			1			1			1		1	1						100					1	1				
41		1+05	0+95													10						20								
42		0+95 "D" Rt.	0+95 "D" Lt.												2				30	140							2			
43		119+35 SR44			1			1			1		1	1						100										
44		119+35	0+95 "D" Lt.													60						70								
45		0+95 "D" Lt.	3+00 "D"												2	60				90		70		2			2			
46		120+85 SR44			1			1			1		1	1						100					1	1				
47		120+85	2+65 "D"			1		1		1			1	1		140					90	150			1	1				
48		2+65 "D"	3+00 "D"													35						45								
49		3+00 "D"	2+55 "C"		1			1			1		1	1		100					100	110			1	1					
50		2+55 "C"	3+85 "D"		1			1			1		1	1		130					100	140			1	1					
51		3+85 "D"	11+50 "C"		1			1			1		1	1		135					100	145			1	1					
52		11+50 "C"	10+30 "C"		1			1			1		1	1		120					100	130			1	1					
53		10+30	10+00													30						40								
54		10+00 "C"	7+30 "D"			1		1			1		1	1	1	50			70	160	90	60		2	1	1					
55		7+30	8+65			1		1			1		1	1		135					90	145			1	1					
56		8+65	10+00 "D"			1		1			1		1	1		135					90	145			1	1					
57		10+00	11+35			1		1			1		1	1		135					90	145			1	1					
58		11+35	381+00 WB		1			1			1		1	1	3	50	280			980	100	30		8	1	1		2	Lu		
59		381+00	384+25		1			1			1		1	1		325					100	335			1	1					
		SUB-TOTALS		1	22	11	1	33	1		11	25	36	35	33	7735	280	245	2840	3510	8085		32	36	36	2	30	2	Lu	215

REFERENCE NO.	SIDE	STATION	STATION	B Light Pole Design No. AT15334.2 Style II	C Light Pole Design No. AT10834.2 Style II	Light Pole Foundation, 2'-6"x6'-0"	Luminaire, Type II, 400 watt, 713.11	Luminaire, Type III, 400 watt, 713.11	Lamp 400 watt, 713.04, Mercury.	Ground Rod	Pull Box, 18"-inch Circular, 713.09	5'-6" Guard Post, 606.10-15	Trench, 24"-inch deep	Struct. Ground sys. Bridge No.	LAK-90-1486 L	LAK-90-1486 R	Conduit, 3"-inch, 713.04 Type III, Directly Buried	Conduit, 2"-inch, 713.04, Type III	Conduit 3"-inch 713.04, Type III, Jacked under Pavement	No. 4 AWG, 600 volt Distribution Cable	No. 1 0 AWG, Pole and Bracket Cable	1½"-inch Duct Cable with Two No. 4 AWG, 600 volt cables.	1½"-inch Duct Cable with Three No. 4 AWG, 600 volt, Cables.	Connector Kit, Type I	Connector Kit, Type II	Connector Kit, Type III	Connector Kit, Type VIII-A	Connector Kit, Type VIII-B	Connector Kit, Type VIII-C	Control Center "Weigh Station"
		UNIT		Ea.	Ea.	Ea.	Ea.	Ea.	Ea.	Ea.	Ea.	Ea.	L.F.	Ea.	Ea.	Ea.	Lin.Ft.	Lin.Ft.	Lin.Ft.	Lin.Ft.	Lin.Ft.	Lin.Ft.	Lin.Ft.	Ea.	Ea.	Ea.	Ea.	Ea.	Ea.	Lu.
		SUB-TOTALS		22	11	33	11	25	36	35	33	7735	1	1	215	280	245	2840	3510	8085	32	36	36	2	30	2	
60		384+25	387+85 Rt	1		1		1	1	1		360							100	370			1	1				
61		387+85 Rt	388+10 Lt.	1		1		1	1	1	4	190							200	100	220		8	1	1				
62		388+10 EB	377+48	1		1		1	1	1	2	870				220			460	100	900		4	1	1				
63		377+48	6+60 "B"								1	150									160					2		
64		6+35 "B"			1	1		1	1	1										90				1	1			
65		6+35 "B"	6+60 "B"									30								40								
66		375+95		1		1		1	1	1										100				1	1			
67		375+95	6+60 "B"																									
		S.R. 44	TOTALS	26	12	38	12	29	41	40	40	9335	1	1	215	500	295	3620	4000	9780	44	41	41	2	32	2	
		Weigh Station																										
68	Rt.	157+05									1												1	1				
69		157+05	157+50	1		1		1	1	1		45							100		55		1	1				
70		157+50	163+60								1	610									1240	3			6			Lu
71		163+60	164+10	1		1		1	1	1		50							100		120		1	1				
72		164+10	165+68								1	60									140				6			
73		165+68	165+77	1		1		1	1	1		20					35	100	100		60		1	1				
74		165+68	165+88		1	1		1	1	1		20							90		60	1	1	1				
75		165+88	169+49		1	1		1	1	1	2	365					60*/30	240	90		750	1	1	1				
76		169+49	171+26		1	1		1	1	1		180							90		380	1	1	1				
77		171+26	172+11								2	85					30	240			190	18						
78		172+21	172+46		1	1		1	1	1	2	30					60*/30	120	90		40	7	1	1				
79		172+46	184+30	1		1		1	1	1	4	1185					30	120	100		1195	13	1	1				
80		184+30	187+50	1		1		1	1	1		325							100		335	1	1	1				
81		187+50	190+93	1		1		1	1	1		345							100		355	1	1	1				
82		Power Pole	A-3		1	1		1	1	1	2	655							90		665	1	1	1				
83		A-3	A-2		1	1		1	1	1	2	135							90		145	1	1	1				
84		A-2	A-1		1	1		1	1	1	2	135							90		145		1	1				
		Sub-Total															60*/30											
Total -		Weigh Station		6	7	13		13	13	13	6	4245					275	820	1230		5875	48	14	14	12			Lu

* 100% State

SCALE None
MADE LWL DATE 5-16-73
TRCD ____ DATE ____
CKD JRK DATE 6-20-73

HOWARD, NEEDLES, TAMMEN & BERGENDOFF
CONSULTING ENGINEERS
KANSAS CITY CLEVELAND NEW YORK

LIGHTING QUANTITIES SUB-SUMMARY

Rev. 9-13-73