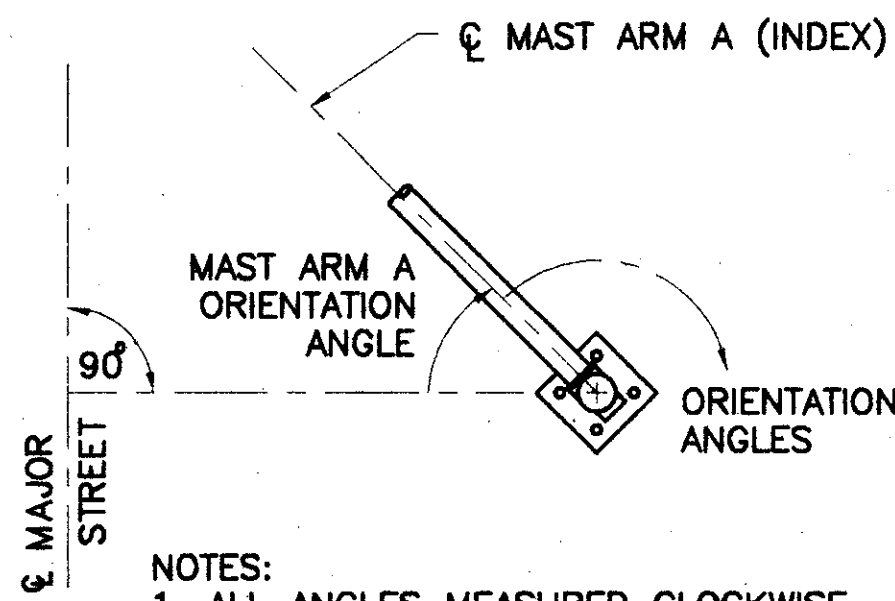
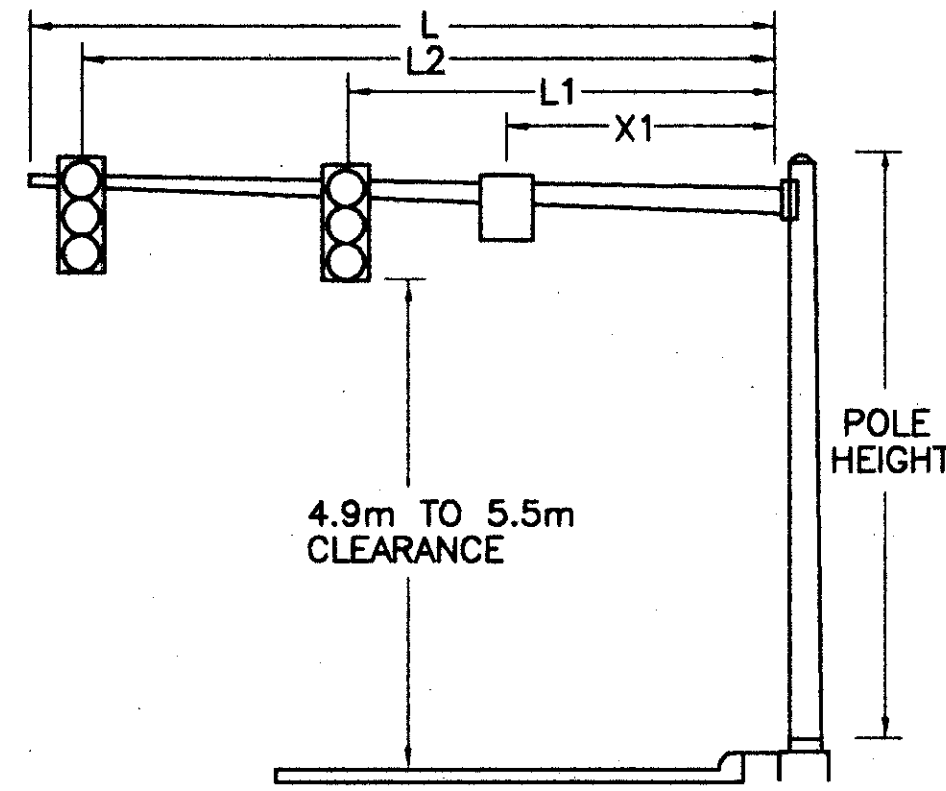


ORIENTATION ANGLES



NOTES:
 1. ALL ANGLES MEASURED CLOCKWISE.
 2. BASE PLATE IS ORIENTED SQUARE TO MAST ARM A (LARGEST ARM) EVEN IF SUPPORT HAS TWO MAST ARMS.

NOTES:
 1. THE MAJOR STREET SHALL BE THE FIRST STREET NAME CALLED OUT FOR EACH INTERSECTION.

INTERSECTION	PLAN SHEET NO.	SUPPORT NO.	SIGNAL SUPPORT															ORIENTATION ANGLES FROM MAST ARM A										
			POLE DESIGN NO.			ARM DESIGN NO.	POLE HEIGHT	FOUNDATION		L	L1	L2	L3	L4	L5	L6	X1	X2	X3	MAST ARM A ANGLE (DEG.)	MAST ARM B	PEDESTRIAN SIGNALS	PEDESTRIAN PUSHBUTTONS	HANDHOLE	SCHOOL FLASHER	VEHICLE SIGNALS	CABLE ENTRANCE 0.3m FROM TOP	
			TC-8120	TC-820	TC-8110			STATION	OFFSET																			
STATE STREET & CHESTER ST/STORRS ST	76	P1	PED				2.4m	100+018.4	16.0m	L											90/185	90/180	180					
		P2	PED				2.4m	100+006.3	8.6m	R											105	165	180					
		P3	11			11	6.1m	100+000.0	11.1m	R	12.0	2.0	3.0	4.8	6.3	6.6	11.4	1.6	2.4	11.8	340							
		P4	PED				2.4m	99+981.0	7.8m	R											90/180	90/180	180					
		P5	2			2	6.1m	99+984.6	9.4m	L	9.2	5.4	8.9					4.5			105/135	180	180					
		P6	PED				2.4m	99+997.0	21.7m	L											180/345	180/345	180					
N. STATE STREET & HINE STREET	78	P1	1			1	6.1m	3+085.4	6.7m	L	6.8	4.0	6.4								180	180	180					
		P2	3			2	6.1m	3+094.2	5.2m	R	7.6	4.8	7.2								180	180	180					
		P3	PED			1	2.4m	3+099.1	10.2m	L	5.2	2.3	4.7								90							
W. WALNUT STREET & GILLETTE STREET	80	P1	1			1	6.1m	1+689.1	8.5m	R	6.8	3.4	6.4					2.4			90	0/270	0/270	180				
		P2	4			2	6.1m	1+691.5	9.5m	L	9.6	6.1	9.1					5.1			0	0/90	0/90	180				
		P3	PED			2	2.4m	1+709.7	6.4m	L	8.8	5.2	8.2					4.2			270							
		P4	2			2	6.1m	1+702.9	8.6m	R	9.2	5.9	8.9					4.9			0	0/270	0/270	180			90	
W. WALNUT STREET & LIBERTY STREET	82	P1	11			11	6.1m	2+445.5	9.9m	L	12.4	9.3	12.0					7.3			105	0/270	0/270	180				
		P2	4			4	6.1m	2+431.5	11.4m	R	10.4	6.7	9.8					4.7			15	105/345	0/90	180				
		P3	11			11	6.1m	2+412.2	9.1m	R	12.8	9.5	12.3					7.5			105	30/180	30/120	180				
		P4	4			11	6.1m	2+424.9	10.3m	L	10.4	7.0	10.1					5.0			15	0/120	30/120	180				
E. WALNUT STREET & BANK STREET	84	P1	1			1	6.1m	3+192.1	6.7m	L	6.0	2.9	5.4								0	225	270	180				
		P2	1			1	6.1m	3+218.4	4.0m	L	7.2	3.8	6.9								90			180		180		
		P3	2			2	6.1m	3+218.4	10.0m	R	8.4	5.0	8.0								0	0	0	180				
		P4	2			2	6.1m	3+204.7	9.4m	R	8.0	4.3	7.4					3.0			60	0/180	210/300	180				
CEDARBROOK DRIVE & MONROE BOULEVARD	86	P1	3			3	6.1m	100+010.6	9.5m	L	10.4	6.9	10.0					5.1			90	90	270	180				
		P2	2			2	6.1m	100+012.6	9.1m	R	8.8	5.4	8.5					3.6			0	0	180	180				
		P3	3			3	6.1m	99+990.1	9.8m	R	10.0	6.3	9.4					4.5			90	180/270	135/225	180				
		P4	2			2	6.1m	99+989.4	9.3m	L	9.2	5.6	8.7					3.8			0	0/90	0/90	180				
		P5			1		6.1m	99+946.4	5.8m	R														180	270			
		P6	EX			EX	EX	100+050.9	5.6m	L														EX	EX			
E. WALNUT STREET & STATE STREET	88	P1	1			1	6.1m	2+988.8	9.2m	R	7.2	3.8	6.9					2.6			90	180/270	180/270	180				
		P2	1			1	6.1m	2+984.2	6.6m	L	7.2	3.5	6.6					2.4			0	180/270	180/270	180				
		P3	2			2	6.1m	3+003.7	6.5m	L	9.6	6.1	9.1					5.0			90	0/90	0/90	180			180	
		P4	2			2	6.1m	3+002.2	9.1m	R	8.8	5.4	8.4					4.1			0	0/90	0/90	180				

CALCULATED
CHECKED

ORIENTATION ANGLES

LAKE COUNTY
LAK-20-22.916/VARIOUS

111