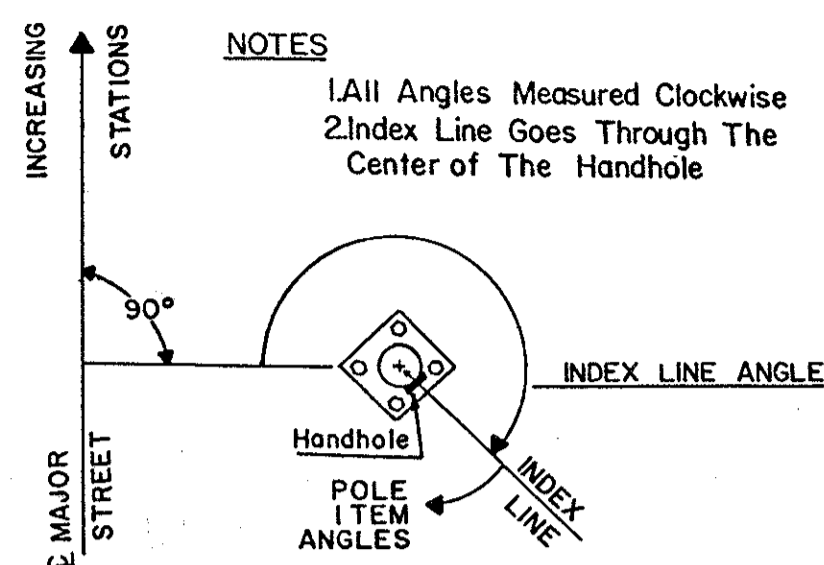
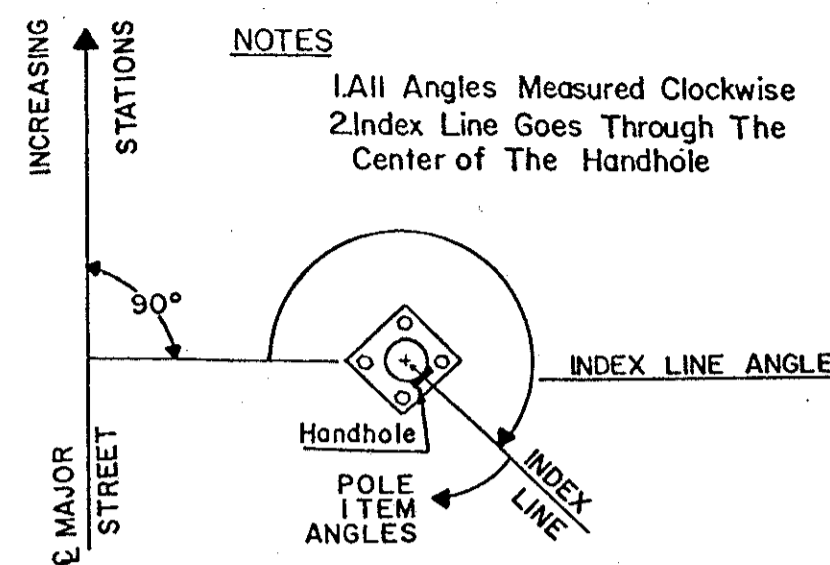


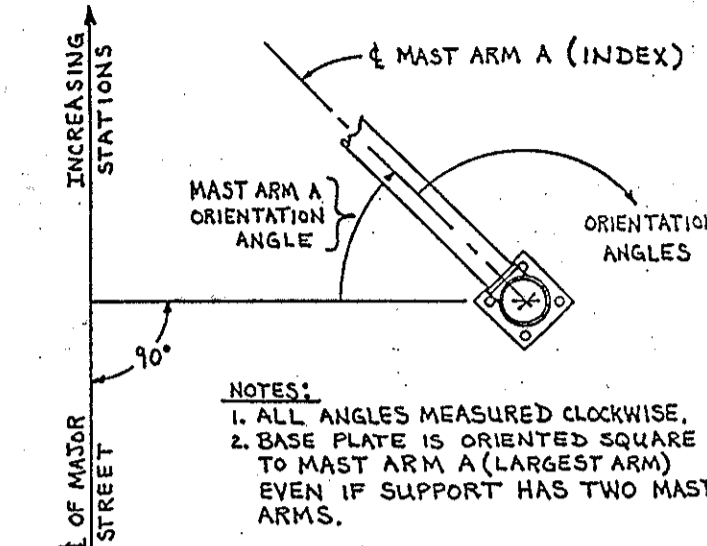
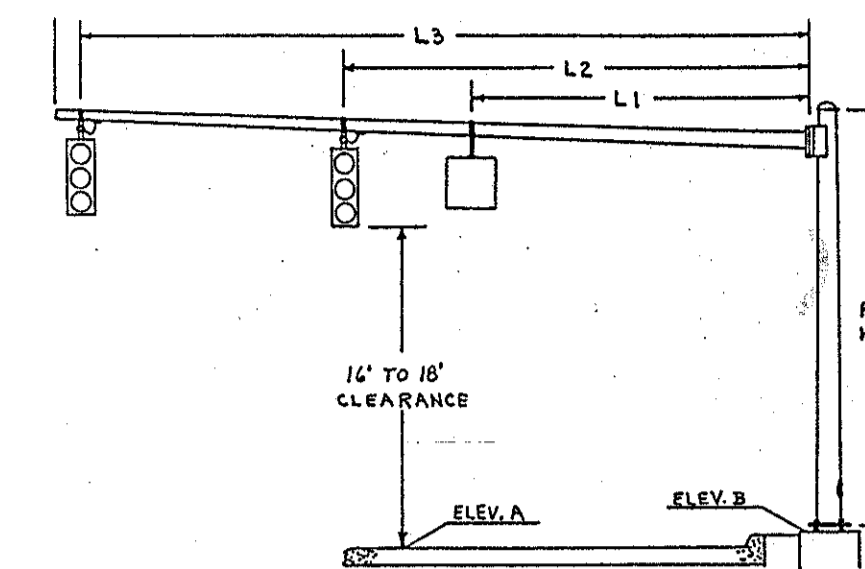
ORIENTATION ANGLES



TC-81.10 SIGNAL SUPPORT

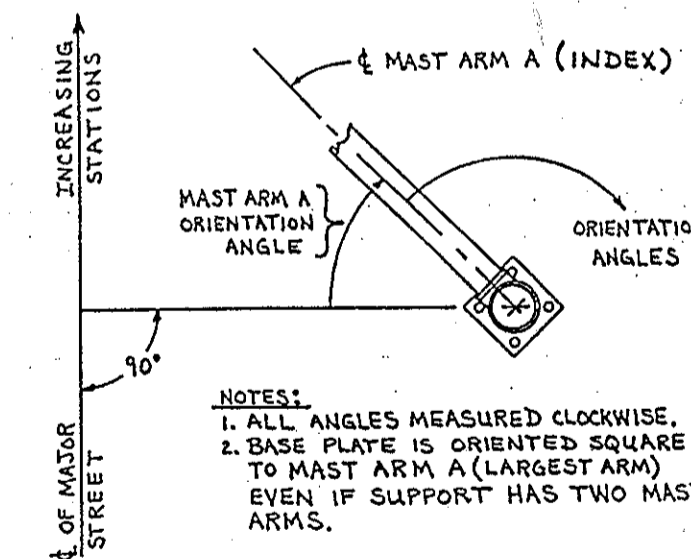
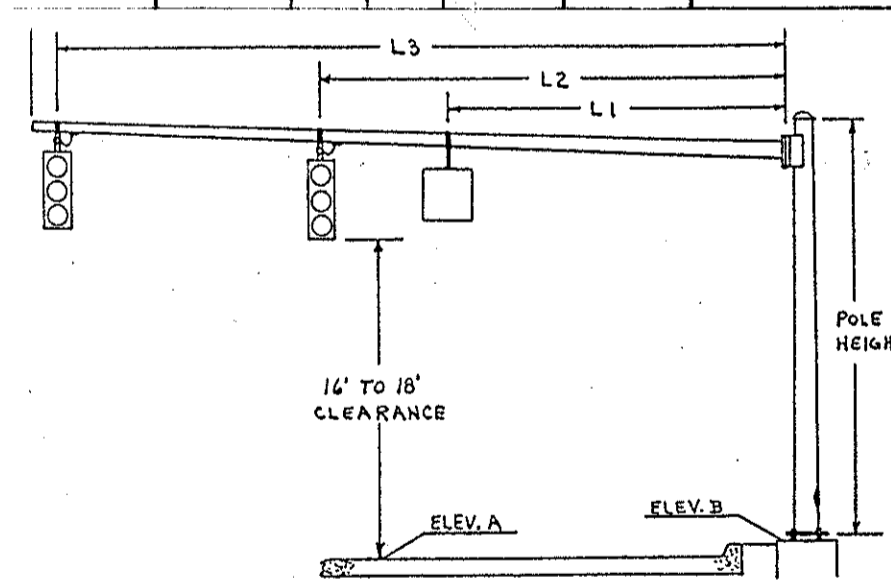


TC-81.10 SIGNAL SUPPORT



INTERSECTION	ITEM	DESIGN #	POLE HEIGHT (FEET)		SPAN WIRE MOUNTING HEIGHT	GROUND MOUNTED CONTROLLER HINGE LOCATION	ANGLES (DEG.) FROM INDEX LINE													
			DEG.	FEET			INDEX LINE ANGLE (DEG.)	PEDESTRIAN SIGNALS	PEDESTRIAN PUSHBUTTONS	CONTROLLER	POWER SERVICE	CABLE ENTRANCE (12" FROM TOP)	INTERCONNECT POLE SPLICE BOX	2" CAPPED CONDUIT ELL (FUTURE USE)						
															DEG.	FEET				
S. R. 615 AND FAIRFAL	P1	5	27	45	25.50		180	90	270	210	0	225								
	P2	5	27	135	25.50		180	90	0	270		135								
	P3	5	27	225	25.50		180	0	0			225								
	P4	5	27	315	25.50		180	0	180			135								
CONTROLLER						NORTHWEST														
S. R. 615 AND CIVIC	P1	5	30	90	25.0		180					225								
	P2	EX		0	25.0		180	0	270	2	135									
	P3	5	30	28	25.0		180	270	180	210	260									
	P4	PED	8	8.0			180	180	270											
	P5	EX		48	25.0		180					EX								
CONTROLLER						EXISTING														
JACKSON AND HEISLEY	P1	3	26	270	24.80		180					135								
	P2	EX		30	24.80		0			148	150	200								
	P3	EX		40	24.80		0			0										
	P4	3	26	90	24.80		180				190									
CONTROLLER						SOUTHEAST														
S. R. 283 AND DORDURDY	P1	5	30	44	25.60		180	200	180		225									
	P2	5	30	25	25.60		180	90	180		135									
	P3	5	30	15	25.60		180	90	180		225									

INTERSECTION	ITEM	DESIGN #	POLE HEIGHT (FEET)		SPAN WIRE MOUNTING HEIGHT	GROUND MOUNTED CONTROLLER HINGE LOCATION	ANGLES (DEG.) FROM INDEX LINE														
			DEG.	FEET			INDEX LINE ANGLE (DEG.)	PEDESTRIAN SIGNALS	PEDESTRIAN PUSHBUTTONS	CONTROLLER	POWER SERVICE	CABLE ENTRANCE (12" FROM TOP)	INTERCONNECT POLE SPLICE BOX	2" CAPPED CONDUIT ELL (FUTURE USE)							
															DEG.	FEET					
S. R. 283 AND DORDURDY	P4	5	30	17	25.60		180	270	90	272	135										
	CONTROLLER					NORTHWEST															
	U.S. 20 AND FIRE STATION NO. 3	P1	EX		344	24.15		0													
		P2	3	26	17	24.15		180		270	270	135									
P3		EX		90	24.15		0														
P4	EX		18	24.15		0				270											



INTERSECTION	ITEM	DESIGN #	Signal Support TC-81.20					Elevation	Orientation Angles (DEG.) From Mast Arm "A"										
			POLE HEIGHT (FT.)	L	L1	L2	L3		L4	A	MAST ARM A ANGLE (DEG.)	MAST ARM B	PEDESTRIAN SIGNAL	PEDESTRIAN PUSHBUTTON	POWER SERVICE	CONTROLLER	LUMINAIRE BRACKET	HANDHOLE	CABLE ENTRANCE (12" FROM TOP)
U.S. 20 AND PLAZA BLVD.	P1	3	21	35	19	33		90		180	180						90	90	
	P2	4	21	37	16	35		325		250	290						180		
	P3	EX		31	16	29		35											
	P4	3	21	32				355		275	185								
	P5	PED	8							0	90								

INTERSECTION	ITEM	DESIGN #	Signal Support TC-81.20					Elevation	Orientation Angles (DEG.) From Mast Arm "A"										
			POLE HEIGHT (FT.)	L	L1	L2	L3		L4	A	MAST ARM A ANGLE (DEG.)	MAST ARM B	PEDESTRIAN SIGNAL	PEDESTRIAN PUSHBUTTON	POWER SERVICE	CONTROLLER	LUMINAIRE BRACKET	HANDHOLE	CABLE ENTRANCE (12" FROM TOP)
U.S. 20 AND EASTMAN / ZAVRE'S	P1	EX		35	20	31		90		90	90						180		
	P2	EX		40	25	39		0		90	180						180		
	P3	EX		30	14	25		90		270	270						180		
	P4	EX		35	18	31		0				90					180	90	
	P5	EX. PED.								90	270								
	P6	EX. PED.								0	270								
S. R. 615 AND TYLER	P1	EX		41	27	40		0		225	90						180		
	P2	4		33	21	31		90		135	90						180		
	P3	EX.		34	28	33		0		285	180						180		
	P4	EX		30	16	29		90		135	180						180		
	P5	EX. PED.								180	270								
S. R. 615 AND S.R. 2 SOUTH RAMP	P1	EX		33	20	32		0		115	0	137					180	135	
	P1	EX		26	15	25		0	270										
	P2	EX		38	21	31		0									180		
	P3	PED	8					0		90	0						180		
	P4	PED	8					0		90	0						180		
	P5	PED	8					0		0	0	270					180		
S. R. 615 AND S. R. 2 N. RAMP	P1	EX		32	20	31		0				270					180	272	
	P2	EX		33	20	32		0	270								180		
	P3	EX		25	14	24		0	270										
	P4	PED	8					0		270	0						180		
P5	PED	8					0		90	0						180			

TRAFF-PRO CONSULTANTS INC.
WILLOUGHBY, OHIO

STATE OF OHIO
DEPARTMENT OF TRANSPORTATION

ORIENTATION ANGLES

DESIGNED	DRAWN	TRACED	CHECKED	REVIEW	DATE	REVISED

LAK 2512