CALC. BY ____ DATE ____
CHKD. BY ____ DATE ____

LAK - 615 - 2.82

OHIO

FHWA REGION 5

159
199

TRAFFIC SIGNAL CALCULATIONS

REFERENCE						
NO.	FEATURES		FROM		TO	
PROPOSED	FROM	TO	STATION	OFFSET	STATION	OFFSET
T-1	POWER	TC	10+42	20' RT	161+70	36' LT
T-2	TC	PB1	161+70	36' LT	161+68	34' LT
T-3	PB1	PB7	161+68	34' LT	9+56	46' RT
T-4		PB2	161+68	34' LT	10+42	37' LT
T-5		P3	161+68	34' LT	161+67	39' LT
T-6		PB8	161+68	34' LT	161+83	29' LT
T-7	PB8	L-1	161+83	29' LT	161+78	3' RT
T-8		PB10	161+83	29' LT	164+17	29' LT
T-9	PB10	L-9	164+17	29' LT	164+11	6' LT
T-10	PB7	P2	9+56	46' RT	9+52	45' RT
T-11		P6	9+56	46' RT	9+61	35' RT
T-12		PB6	9+56	46' RT	9+24	33' RT
T-13		PB4	9+56	46' RT	9+53	49' LT
T-14	PB6	L-6, L-7	9+24	33' RT	9+61	3' LT
T-15	PB4	P5	9+53	49' LT	9+52	32' LT
T-16		P4	9+53	49' LT	9+44	43' LT
T-17		PB5	9+53	49' LT	160+33	30' RT
T-18	PB5	L-2	160+33	30' RT	160+51	3' LT
T-19		PB9	160+33	30' RT	158+17	27' RT
T-20	PB9	L-8	158+17	27' RT	158+23	4' RT
T-21	PB2	P1	10+42	37' LT	160+68	41' LT
T-22		PB3	10+42	37' LT	10+75	35' LT
T-23	PB3	L-3, L-4, L-5	10+75	35' LT	10+39	4' RT
						TOTALS

625									632																						633			
CONDUIT, 2", 713.04	CONDUIT, 3", 713.04	TRENCH	TRENCH IN PAVED AREA, TYPE B	PULL BOX, 713.08, 18", AS PER PLAN	PULL BOX, 713.08, 24", AS PER PLAN	PULL BOX, MISC. 13"x24", AS PER PLAN	GROUND ROD	VEHICULAR SIGNAL HEAD, 3 SECTION, 12"LENS, 1-WAY, POLYCARBONATE, AS PER PLAN	VEHICULAR SIGNAL HEAD, 5 SECTION, 12"LENS, 1-WAY, POLYCARBONATE, AS PER PLAN	PEDESTRIAN SIGNAL HEAD, TYPE D2, AS PER PLAN	COVERING OF VEHICULAR SIGNAL HEAD	PEDESTRIAN PUSHBUTTON, AS PER PLAN	LOOP DETECTOR UNIT, DELAY AND EXTENSION TYPE, AS PER PLAN	DETECTOR LOOP, AS PER PLAN	SIGNAL CABLE, 3 CONDUCTOR, NO. 14 AWG	SIGNAL CABLE, 7 CONDUCTOR, NO. 14 AWG	LOOP DETECTOR WIRE, TYPE E	LOOP DETECTOR LEAD-IN CABLE	POWER CABLE, 2 CONDUCTOR, NO. 6 AWG	CONDUIT RISER, 2" DIAMETER	PEDESTAL FOUNDATION	SIGNAL SUPPORT FOUNDATION	SIGNAL SUPPORT, TYPE TC-81.20, DESIGN 4, 37' ARM, AS PER PLAN	SIGNAL SUPPORT, TYPE TC-81.20, DESIGN 12, 40' ARM, AS PER PLAN	SIGNAL SUPPORT, TYPE TC-81.20, DESIGN 11, 44' ARM, AS PER PLAN	SIGNAL SUPPORT, TYPE TC-81.20, DESIGN 12, 45' ARM, AS PER PLAN	PEDESTAL, 8' TRANSFORMER BASE	REMOVAL OF TRAFFIC SIGNAL INSTALLATION	CONTROLLER, ACTUATED, 8 PHASE, SOLID STATE DIGITAL MICROPROCESSOR, AS PER PLAN	CONCRETE FOR CABINET FOUNDATION	CONTROLLER, WORK PAD	
L. F.	L. F.	L. F.	L. F.	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	L. F.	L. F.	L. F.	L. F.	L. F.	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	C. Y.	S. F.	
34		34					1												72	1										1	1	1.85	10.42	
	6	3			1										104	104		117																
	81	43	38		1										344	344		344																
	90	52	38			1									190	190		285																
	5	5					1	1	1	2	2	2			38	112						1			1									
15		15		1														40																
													1	1			134	9																
234		234		1														239																
													1	1			78																	
5		5					1	1	1		2					85						1							1					
11		11					1			2		2			50	29					1							1					
35		35		1														80																
	95	67	28		1										200	200		200																
																		30																
18		18					1			2		2	2	2	64	36	360				1							1					
12		12					1		2		2					85						1		1										
38		38		1														86																
													1	1			144	5																
216		216		1														58																
													1	1			96	5																
	13	13						1	1	1	2	2	2			54	113						1	1										
	33	33				1												114																
													3	3			572	15																
618	323	834	104	5	3	2	7	3	5	8	8	8	9	9	1044	1298	1384	1627	72	1	2	4	1	1	1	1	2	1	1	1.85	10.42	

FOR TRAFFIC CONTROL GENERAL SUMMARY SEE SHEETS 154 - 155