

SIGNAL DISPLAYS

SIGNAL HEAD	ø 2 & ø 5				ø 2 & ø 6				ø 4 & ø 8				FLASH
	R/W	CLEAR	R/W	CLEAR	R/W	CLEAR	R/W	CLEAR	R/W	CLEAR	R/W	CLEAR	
1	R	R	R	R	G	G	Y	R	R	R	R	R	Y
2	R	R	R	R	G	G	Y	R	R	R	R	R	Y
3	R	R	R	R	G	G	Y	R	R	R	R	R	Y
4	G	G	G	G	G	Y	R	R	R	R	R	R	Y
5	G	G	G	G	G	Y	R	R	R	R	R	R	Y
6	R	R	R	R	R	R	R	R	G	G	Y	R	R
7	R	R	R	R	R	R	R	R	G	G	Y	R	R
8	R	R	R	R	R	R	R	R	G	G	Y	R	R
9	R	R	R	R	R	R	R	R	G	G	Y	R	R
A	DW	DW	DW	DW	W	FDW	DW	DW	DW	DW	DW	DW	DARK
B	DW	DW	DW	DW	W	FDW	DW	DW	DW	DW	DW	DW	DARK
C	DW	DW	DW	DW	W	FDW	DW	DW	W	FDW	DW	DW	DARK
D	DW	DW	DW	DW	W	FDW	DW	DW	W	FDW	DW	DW	DARK
E	DW	DW	DW	DW	W	FDW	DW	DW	DW	DW	DW	DW	DARK
F	DW	DW	DW	DW	W	FDW	DW	DW	DW	DW	DW	DW	DARK

TRAFFIC SIGNAL DETECTOR CHART

LOOP DESIGNATION	SIZE (FT.)	TURNS	PULSE OR PRESENCE	DELAY (SEC.)	EXTENSION (SEC.)	OVERRIDE PHASE	CONNECT TO DETECTOR UNIT (UNIT-CHANNEL)	ASSOCIATED CONTROLLER PHASE
L-1	6' x 40'	3	PRESENCE	-	-	-	1	5
L-2	6' x 40'	3	PRESENCE	10	-	-	2	4
L-3	6' x 40'	3	PRESENCE	-	-	-	3	7
L-4	6' x 40'	3	PRESENCE	10	-	-	4	8

OVERHEAD SIGNS

FROM SHEET NO.	STATION	SIDE	SIGN CODE AND SIZE					ITEM 630					
			R10-4A-9 (9'x12")	R10-7-24 (24'x30")	D3-H2A (96'x18")	D3-H2A (96'x30")	E1-H1 (120'x60")	REMOVAL OF OVERHEAD MOUNTED SIGN AND DISPOSAL	SIGN, FLAT SHEET	SIGN, OVERHEAD EXTRUSHEET	SIGN SUPPORT ASSEMBLY, POLE MOUNTED, AS PER PLAN	SIGN HANGER ASSEMBLY, MAST ARM, AS PER PLAN	
1189	66+60	LT				1	1						1
1189	67+50	RT			1	1							2
1189	67+52	LT			1								1
1189	67+58	RT	1										1
1189	67+65	LT	1										1
TOTAL													4

TIMING CHART

START UP START IN: Y/R FLASH ● ; ALL RED ○
 TIME FOR FLASH OR ALL RED 3 SEC.
 FIRST PHASE(S) ø 2 & ø 6
 COLOR DISPLAYED: GREEN ● ;YELLOW ○

DUAL ENTRY ○
 REST IN RED: RING 1 ○ RING 2 ○

INTERVAL	CONTROLLER PHASE							
	1	2	3	4	5	6	7	8
MOVEMENT	↶	→	↷	↓	↶	→	↷	↑
MINIMUM GREEN (INITIAL)	-	-	-	-	8	-	-	6
ADDED INITIAL	-	-	-	-	-	-	-	-
PASSAGE TIME	-	-	-	-	2	-	-	3
TIME BEFORE REDUCTION	-	-	-	-	-	-	-	-
MINIMUM GAP	-	-	-	-	-	-	-	-
TIME TO REDUCE	-	-	-	-	-	-	-	-
MAXIMUM GREEN I	20	-	-	-	16	-	-	15
MAXIMUM GREEN II	-	-	-	-	-	-	-	-
YELLOW CHANGE	4.5	-	-	-	5.5	-	-	6
ALL RED CLEARANCE	1	-	-	-	-	-	-	1
WALK	7	-	-	-	-	-	-	7
PEDESTRIAN CLEARANCE	10	-	-	-	-	-	-	21
RECALL	MAXIMUM	-	-	-	-	-	-	-
	MINIMUM	ON	-	-	-	-	-	-
	PEDESTRIAN	-	-	-	-	-	-	-
MEMORY	OFF	-	-	-	OFF	-	-	OFF
CALL TO NON-ACUATED	No. 1	-	-	-	-	-	-	-
	No. 2	-	-	-	-	-	-	-
MAXIMUM CYCLE	70							

REEVES ROAD

DESCRIPTION	TIMING PROGRAM (CYCLE NO.)					
	1	2	3	4	5	
TIME PERIOD IN EFFECT	FREE OPER.	SEE WEEKLY TIMING PROGRAM CHART				
CYCLE LENGTH (SEC.)	70	70	70			
OFFSET (RESET) NO. 1 (SEC.)	67	68	69			
FORCE - OFF #2	22	21	20			
FORCE - OFF #3	60	52	57			
FORCE - OFF #4						
FORCE - OFF #5						
LENGTH OF HOLD - RELEASE OR YIELD (PERMISSIVE) (SEC.)	4	4	4			

WEEKLY TIMING PROGRAM CHART

	2400-0600	0600-0700	0700-0800	0800-0900	0900-1130	1130-1400	1400-1600	1600-1700	1700-1800	1800-2130	2130-2300	2300-2400
SUNDAY	1	2	2	2	2	2	2	2	2	1	1	
MONDAY	1	3	3	3	2	2	2	4	4	2	2	1
TUESDAY	1	3	3	3	2	2	2	4	4	2	2	1
WEDNESDAY	1	3	3	3	2	2	2	4	4	2	2	1
THURSDAY	1	3	3	3	2	2	2	4	4	2	2	1
FRIDAY	1	3	3	3	2	2	2	4	4	2	2	1
SATURDAY	1	3	3	3	2	2	2	4	4	2	1	1

NOTES:

1) TIME SPACE DIAGRAMS AND EXISTING INTERCONNECT PLANS CAN BE FOUND AT THE ODOT DISTRICT 12 OFFICES DATED 8/92, TITLED LAK-LOST NATION ROAD.

SUB-SUMMARY OF TRAFFIC SIGNAL ITEMS

ITEM	QUANTITY	UNIT	ITEM DESCRIPTION	REFERENCE	CALCULATED	CHECKED
					DRJ	TMD
625	3	EACH	BRACKET ARM, 15'			
625	113	FT	CONDUIT, 2", 725.05			
625	260	FT	CONDUIT, 3", 725.04			
625	20	FT	CONDUIT, 3", 725.05			
625	393	FT	TRENCH			
625	1	EACH	PULL BOX, 725.08, 18"			
625	4	EACH	PULL BOX, 725.08, 24"			
625	3	EACH	GROUND ROD			
625	1	EACH	GROUND ROD, AS PER PLAN	1038		
625	393	FT	PLASTIC CAUTION TAPE	1038		
630	4	EACH	SIGN HANGER ASSEMBLY, MAST ARM, AS PER PLAN	1038		
630	2	EACH	SIGN SUPPORT ASSEMBLY, POLE MOUNTED, AS PER PLAN	1038		
630	66	SF	SIGN, FLAT SHEET			
630	50	SF	SIGN, OVERHEAD EXTRUSHEET			
632	7	EACH	VEHICULAR SIGNAL HEAD WITH LED LAMP UNITS, 3-SECTION, 12" LENS, 1-WAY, AS PER PLAN	1038		
632	2	EACH	VEHICULAR SIGNAL HEAD WITH LED LAMP UNITS, 5-SECTION, 12" LENS, 1-WAY, AS PER PLAN	1038		
632	4	EACH	PEDESTRIAN SIGNAL HEAD WITH LED LAMP UNITS, TYPE A2			
632	2	EACH	PEDESTRIAN PUSHBUTTON			
632	4	EACH	DETECTOR LOOP			
632	4	EACH	LOOP DETECTOR UNIT, DELAY AND EXTENSION TYPE, AS PER PLAN	1038		
632	1	EACH	DISCONNECT SWITCH WITH ENCLOSURE			
632	752	FT	SIGNAL CABLE, 2 CONDUCTOR, NO. 14 AWG			
632	454	FT	SIGNAL CABLE, 5 CONDUCTOR, NO. 14 AWG			
632	800	FT	SIGNAL CABLE, 7 CONDUCTOR, NO. 14 AWG			
632	3	EACH	SIGNAL SUPPORT FOUNDATION			
632	4	EACH	PEDESTAL FOUNDATION			
632	1,519	FT	LOOP DETECTOR LEAD-IN CABLE			
632	43	FT	POWER CABLE, 2 CONDUCTOR, NO. 6 AWG			
632	40	FT	POWER CABLE, 3 CONDUCTOR, NO. 6 AWG			
632	245	FT	SERVICE CABLE, 3 CONDUCTOR, NO. 6 AWG			
632	1	EACH	POWER SERVICE, AS PER PLAN	1039		
632	1	EACH	CONDUIT RISER, 2" DIAMETER			
632	1	EACH	COMBINATION SIGNAL SUPPORT, TYPE TC-12.30 DESIGN 6			
632	1	EACH	POLE, WITH MAST ARMS TC-81.20 DESIGN 11 AND DESIGN 11			
632	1	EACH	COMBINATION SIGNAL SUPPORT, MISC.: TYPE TC-12.30	1038		
632	1	EACH	DESIGN 5 POLE, WITH MAST ARM TC-81.20 DESIGN 11 AND SIGN SUPPORT TC-12.30 DESIGN 5 W/ LUMINAIRE EXTENSION			
632	1	EACH	COMBINATION SIGNAL SUPPORT, TYPE TC-81.20, DESIGN 11			
632	2	EACH	PEDESTAL, 5', TRANSFORMER BASE			
632	2	EACH	PEDESTAL, 8', TRANSFORMER BASE			
632	1	EACH	REMOVAL OF TRAFFIC SIGNAL INSTALLATION			
633	1	EACH	CONTROLLER UNIT, TYPE TS2/A2, WITH CABINET, TYPE TS1, AS PER PLAN	1040		
633	1	EACH	CABINET RISER			
633	1	EACH	CABINET FOUNDATION			
633	1	EACH	TELEPHONE SERVICE			
633	1	EACH	UNINTERRUPTIBLE POWER SUPPLY (UPS), 1000 WATT	1039		
633	4	EACH	CONTROLLER ITEM, MISC.: PREEMPTION RECEIVING UNIT	1039		
633	1	EACH	CONTROLLER ITEM, MISC.: PREEMPT PHASE SELECTOR	1039		
633	4	EACH	CONTROLLER ITEM, MISC.: PREEMPT CONFIRMATION LIGHT	1040		
633	1	EACH	CONTROLLER ITEM, MISC.: PREEMPTION	1040		
633	752	FT	CONTROLLER ITEM, MISC.: PREEMPTION DETECTOR CABLE	1040		