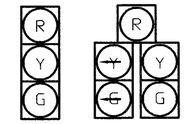
SIGNAL DIRECTION	SIGNAL HEAD	φ1 & φ5 R/W	φ1 & φ5 CLEAR	φ1 & φ6 R/W	φ1 & φ6 CLEAR	φ2 & φ5 R/W	φ2 & φ5 CLEAR	φ2 & φ6 R/W	φ2 & φ6 CLEAR	φ3 & φ7 R/W	φ3 & φ7 CLEAR	φ3 & φ8 R/W	φ3 & φ8 CLEAR	φ4 & φ7 R/W	φ4 & φ7 CLEAR	φ4 & φ8 R/W	φ4 & φ8 CLEAR	FLASH
NORTHBOUND	A	R	R	R	R	R	R	R	R	R/G	R/G	R/Y(e)	R(e)	G/G	G/G	Y/Y(g)	R(h)	R	R	R	R	G	G	Y	R	R
	B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	G	Y	R	R
EASTBOUND	C	R/G	R/G	R/Y(a)	R(a)	R	R	R	R	G/G	G/G	Y/Y(c)	R(d)	G	G	Y	R	R	R	R	R	R	R	R	R	Y
	D	R	R	R	R	R	R	R	R	G	G	Y(a)	R(d)	G	G	Y	R	R	R	R	R	R	R	R	R	Y
SOUTHBOUND	E	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R/G	R/G	R/Y(e)	R(f)	G	G	Y	R	R
	F	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	Y(h)	R(h)	G	G	Y	R	R
WESTBOUND	G	R/G	R/G	R/Y(b)	R(b)	G/G	G/G	Y/Y(c)	R(d)	R	R	R	R	G	G	Y	R	R	R	R	R	R	R	R	R	Y
	H	R	R	R	R	G	G	Y(a)	R(d)	R	R	R	R	G	G	Y	R	R	R	R	R	R	R	R	R	Y

(a) R/→G IF φ2 & φ5 IS NEXT
(b) R/→G IF φ1 & φ6 IS NEXT
(c) G/→Y IF φ2 & φ6 IS NEXT
(d) G IF φ2 & φ6 IS NEXT
(e) R/→G IF φ3 & φ8 IS NEXT
(f) R/→G IF φ4 & φ7 IS NEXT
(g) G/→Y IF φ4 & φ8 IS NEXT
(h) G IF φ4 & φ8 IS NEXT

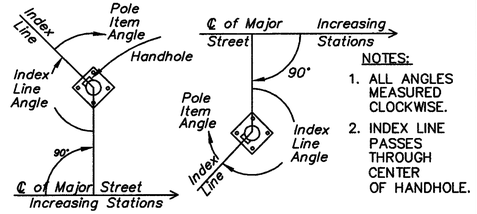
SIGNAL SEQUENCE CHART

POLE NUMBER	STATION	OFFSET	DESIGN NUMBER	POLE HEIGHT (ft)	ATTACHMENT HEIGHT	INDEX LINE ANGLE (deg)	ANGLES (deg) FROM INDEX LINE: POWER SERVICE 1-1/2" BHC, 30" FROM BASE	PEDESTRIAN PUSH BUTTON	CONDUIT ELL SIZE & ANGLE	CABLE ENTRANCE, 2" BHC (12" FROM TOP)	2" CAPPED CONDUIT, ELL (FUTURE USE)
1	280+45	39' RT	6	30	24	90	–	0	–	180/270	0
2	279+10	41' RT	6	30	24	180	–	270	2"–315 2"–135	180/270	270
3	279+84	56' LT	6	30	24	180	–	270	–	90/180	270
4	280+90	52' LT	6	30	24	210	90	204	4"–295	180/270	135

TYPE TC–81.10 STRAIN POLE SIGNAL SUPPORT



SIGNAL HEADS



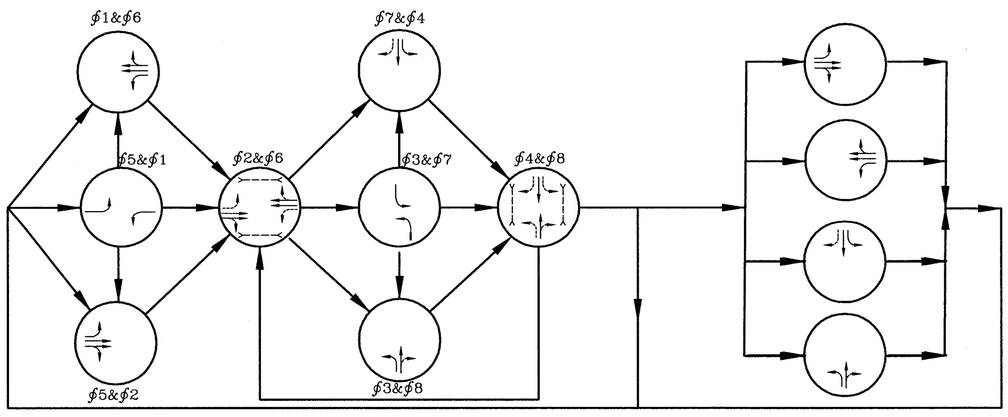
NOTES:
1. ALL ANGLES MEASURED CLOCKWISE.
2. INDEX LINE PASSES THROUGH CENTER OF HANDHOLE.

INDEX LINE ORIENTATION

FUNCTION	φ1	φ2	φ3	φ4	φ5	φ6	φ7	φ8
INITIAL GREEN	10.0	32.0	10.0	15.0	10.0	32.0	10.0	15.0
MINIMUM GREEN	–	–	–	–	–	–	–	–
VEHICLE EXTENSION	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
MAXIMUM GREEN	20.0	40.0	20.0	30.0	20.0	40.0	20.0	30.0
PEDESTRIAN WALK	–	7.0	–	7.0	–	7.0	–	7.0
PEDESTRIAN CLEARANCE	–	24.0	–	19.0	–	24.0	–	19.0
VEHICLE YELLOW CLEARANCE	5.5	5.5	4.5	4.5	5.5	5.5	4.5	4.5
VEHICLE ALL RED CLEARANCE	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
RECALL	OFF	MIN	OFF	OFF	OFF	MIN	OFF	OFF
MEMORY	N.L.	N.L.	N.L.	N.L.	N.L.	N.L.	N.L.	N.L.

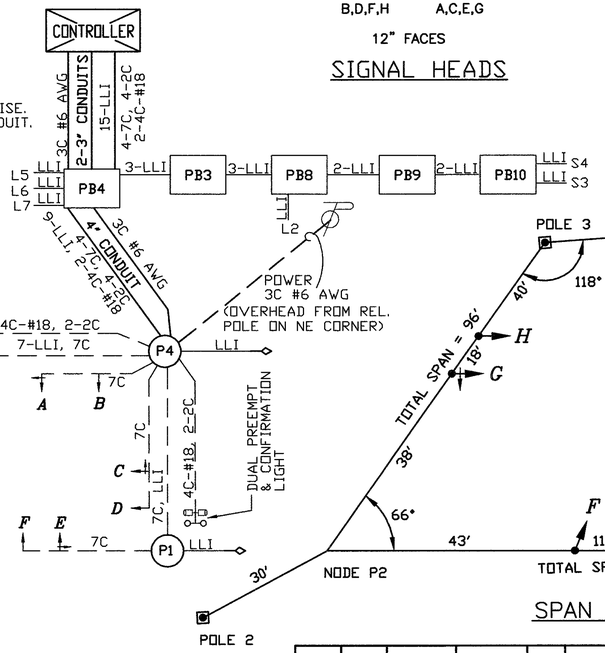
NOTE: LTT = 2 MUST BE SET AT WAPITI KEYSTROKES A + 3 + A.

SIGNAL TIMING CHART

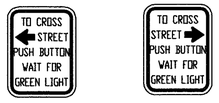


PHASING DIAGRAM

- ALL CONDUIT SHALL BE 2" UNLESS NOTED OTHERWISE.
- POWER CABLE SHALL UTILIZE A SEPARATE 2" CONDUIT.



WIRING DIAGRAM



PEDESTRIAN PUSHBUTTON SIGNS

SPAN DIAGRAM

LOOP	SIZE	TURNS	MODE	DELAY	PHASE	REMARK	INHIBITED DELAY	LOCATION 1st FRONT CORNER	LOCATION 2nd FRONT CORNER
L-1	6X25	3	PRESENCE	–	φ5	STANDARD	–	STA. 279+03, 3' LT	STA. 279+03, 3' RT
L-2	6X25	3	PRESENCE	–	φ1	STANDARD	–	STA. 281+12, 3' LT	STA. 281+12, 3' RT
L-3	6X25	3	PRESENCE	2.0	φ3	STANDARD	φ3	STA. 9+34, 2.5' RT	STA. 9+34, 8.5' RT
L-4	6X25	3	PRESENCE	8.0	φ8	STANDARD	φ8	STA. 9+66, 15' RT	STA. 9+66, 21' RT
L-5	6X25	3	PRESENCE	8.0	φ4	STANDARD	φ4	STA. 10+44, 14.5' LT	STA. 10+44, 20.5' LT
L-6	6X25	3	PRESENCE	2.0	φ4	STANDARD	–	STA. 10+46, 2.5' LT	STA. 10+46, 8.5' LT
L-7	6X25	3	PRESENCE	2.0	φ7	STANDARD	φ7	STA. 10+89, 2.5' RT	STA. 10+89, 8.5' RT
S-1	6X6	3	PULSE	–	φ2	DIAMOND	–	STA. 276+25, 11' RT	-
S-2	6X6	3	PULSE	–	φ2	DIAMOND	–	STA. 276+25, 23' LT	-
S-3	6X6	3	PULSE	–	φ6	DIAMOND	–	STA. 283+87, 24' LT	-
S-4	6X6	3	PULSE	–	φ6	DIAMOND	–	STA. 283+87, 12' LT	-

LOOP DETECTOR CHART

NOT TO SCALE

CALCULATED TJF
CHECKED JMH

TRAFFIC SIGNAL PLAN
U.S. 20 / CENTER ROAD

LAK - 20 - 18.72

330
441

DATE: 09-26-02 - H:\1998\98404\DWG\98404T05.DWG