

# GENERAL NOTES

## TRAFFIC - PROGRESSION PROGRAM & TIME-SPACE DIAGRAMS

(N.E.M.A. Movements)

FED. RD DIVISION	STATE	PROJECT	FISCAL YEAR
5	OHIO		

52  
73

LAKE COUNTY  
LAK-306-4.74

### OFF-PEAK PERIOD

MULTIPHASE ARTERIAL PROGRESSION PROGRAM-PASSER II-MOHLER PERRY REVISED VERSION

KIRT-WILL SR 306 TIME OP 2/17/81 RUN NO. 1

\*\*\*\*\* BEST SOLUTION \*\*\*\*\*

60 SECOND CYCLE, BAND A = 23 SECONDS, BAND B = 30 SECONDS .44 EFFICIENCY .93 ATTAIN  
AVERAGE SPEED THRU SYSTEM BAND A SPEED = 33. DIRECTION NORTH BAND B SPEED = 33. DIRECTION SOUTH

\*\*\*\*\* INTERSECTION 1 0.0 SECONDS OFFSET ARTERIAL PHASE SEQUENCE IS THROUGH MOVEMENTS FIRST

WILL-KIRT RD 0.0 <B OFFSET

MOVEMENTS	ARTERIAL			CROSS STREET					
	2+6	1+6	1+5	TOTAL MAJOR ST	3+7	3+8	4+7	4+8	TOTAL MINOR ST
GREEN TIME SECS	36.3	14.9	0.0	51.2	0.0	0.0	8.8	0.0	8.8

\*\*\*\*\* INTERSECTION 2 46.0 SECONDS OFFSET ARTERIAL PHASE SEQUENCE IS LEFT TURNS FIRST

LAKELAND COL 76.7 <B OFFSET

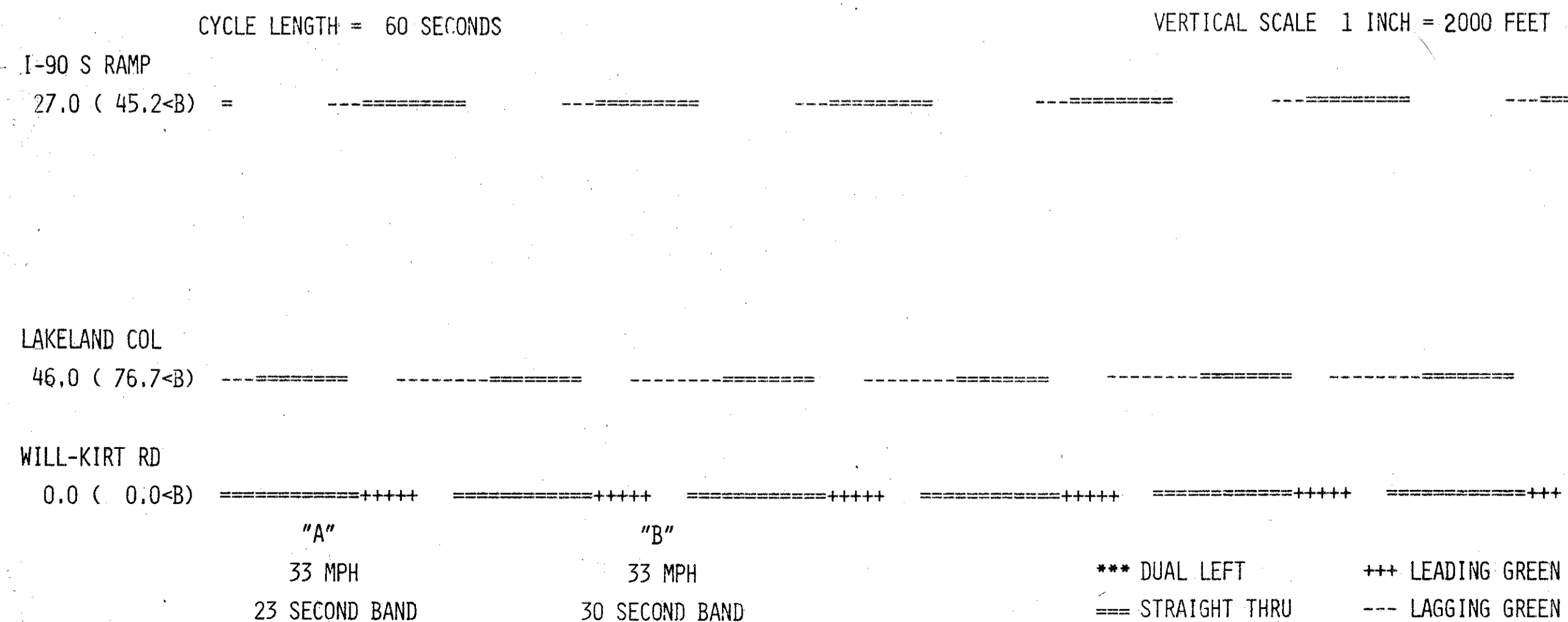
MOVEMENTS	ARTERIAL			CROSS STREET					
	2+5	2+6	1+6	TOTAL MAJOR ST	3+7	3+8	4+7	4+8	TOTAL MINOR ST
GREEN TIME SECS	24.4	23.2	0.0	47.6	0.0	12.4	0.0	0.0	12.4

\*\*\*\*\* INTERSECTION 3 27.1 SECONDS OFFSET ARTERIAL PHASE SEQUENCE IS LAGGING GREEN

I-90 S RAMP 45.2 <B OFFSET

MOVEMENTS	ARTERIAL			CROSS STREET					
	2+5	2+6	1+6	TOTAL MAJOR ST	3+7	3+8	4+7	4+8	TOTAL MINOR ST
GREEN TIME SECS	8.0	26.2	0.0	34.2	0.0	0.0	25.8	0.0	25.8

HORIZONTAL SCALE 1 INCH = 30 SECONDS  
VERTICAL SCALE 1 INCH = 2000 FEET



### PEAK PERIOD

MULTIPHASE ARTERIAL PROGRESSION PROGRAM-PASSER II-MOHLER PERRY REVISED VERSION

KIRT-WILL SR 306 TIME PM 2/17/81 RUN NO. 1

\*\*\*\*\* BEST SOLUTION \*\*\*\*\*

60 SECOND CYCLE, BAND A = 15 SECONDS, BAND B = 23 SECONDS .32 EFFICIENCY 1.00 ATTAIN  
AVERAGE SPEED THRU SYSTEM BAND A SPEED = 35. DIRECTION NORTH BAND B SPEED = 35. DIRECTION SOUTH

\*\*\*\*\* INTERSECTION 1 0.0 SECONDS OFFSET ARTERIAL PHASE SEQUENCE IS LEFT TURNS FIRST

WILL-KIRT RD 0.0 <B OFFSET

MOVEMENTS	ARTERIAL			CROSS STREET					
	2+6	1+6	1+5	TOTAL MAJOR ST	3+7	3+8	4+7	4+8	TOTAL MINOR ST
GREEN TIME SECS	34.5	16.3	0.0	50.8	0.0	0.0	9.2	0.0	9.2

\*\*\*\*\* INTERSECTION 2 58.8 SECONDS OFFSET ARTERIAL PHASE SEQUENCE IS LEFT TURNS FIRST

LAKELAND COL 98.0 <B OFFSET

MOVEMENTS	ARTERIAL			CROSS STREET					
	2+5	2+6	1+6	TOTAL MAJOR ST	3+7	3+8	4+7	4+8	TOTAL MINOR ST
GREEN TIME SECS	34.6	18.4	0.0	53.0	0.0	7.0	0.0	0.0	7.0

\*\*\*\*\* INTERSECTION 3 51.3 SECONDS OFFSET ARTERIAL PHASE SEQUENCE IS LEFT TURNS FIRST

I-90 S RAMP 85.5 <B OFFSET

MOVEMENTS	ARTERIAL			CROSS STREET					
	2+5	2+6	1+6	TOTAL MAJOR ST	3+7	3+8	4+7	4+8	TOTAL MINOR ST
GREEN TIME SECS	8.8	15.0	0.0	23.8	0.0	0.0	36.2	0.0	36.2

CYCLE LENGTH = 60 SECONDS

HORIZONTAL SCALE 1 INCH = 30 SECONDS  
VERTICAL SCALE 1 INCH = 2000 FEET

