

**CSAH 52 @ 95th Ave. - SIGNAL CODE 7543 - BY PHASE TIMING
PROPOSED - 08/13/2014**

BY PHASE TIMING DATA

PHASE	ø1	ø2	ø3	ø4	ø5	ø6	ø7	ø8
DIRECTION	NWLT	SET	NELT	SWT	SELT	NWT	SWLT	NET
MINIMUM GREEN	7	20	7	10	7	20	7	10
BK MIN GREEN								
CS MIN GREEN								
DELAY GREEN								
WALK		7						7
WALK 2								
PED CLEAR		22						27
PED CLEAR 2								
VEHICLE EXT	2.5	6.7	2.5	2.1	2.5	5.6	2.5	4.0
VEHICLE EXT 2								
MAX 1	25	80	25	30	25	80	30	25
MAX 2								
MAX 3								
DYM MAX								
DYM STP								
YELLOW	3.0	4.7	3.0	3.2	3.0	4.7	3.0	3.9
RED CLEAR	2.9	1.3	2.7	2.5	2.5	1.8	2.6	2.1
RED MAX								
RED REVERT	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
ACT B4								
SEC/ACT		1.5				1.5		
MAX INT		44				37		
TIME B4		27				27		
CARS WT								
STPT DUC								
TIME TO REDUCE		27				27		
MIN GAP		4.5				3.0		

ø8
w/new
loop

2.5

Detector Extend/Delay

D4-1 stretch - none

D4-2 delay - 5.0 sec.

D7-2 delay - 2.0 sec.

D8-1 stretch - 4.0 sec.

D8-1 stretch w/new loop @ 250' - 2.5 sec.

D8-2 delay - 5.0 sec.

The speed limit for the NEB 95th Ave approach to the intersection is 40 MPH, the existing advance loop detector (D8-1) is located 400 ft from the stop bar which is normally typical of a 50 MPH approach. Consequently, a new NEB advance loop detector (D8-1) should be placed 250 ft from the stop bar in order to more efficiently extend ø8 on green.

If a new NEB advance loop detector (D8-1) is installed, ø8 vehicle extension should be changed to 2.5 seconds and D8-1 detector extend should also be changed to 2.5 seconds.