

**CSAH 14 @ CSAH 78 - SIGNAL CODE 7282 - BY PHASE TIMING
PROPOSED - 03/31/2021**

BY PHASE TIMING DATA

PHASE	ø1	ø2	ø3	ø4	ø5	ø6	ø7	ø8
DIRECTION	SBLT	NBT	WBLT	EBT	NBLT	SBT	EBLT	WBT
MINIMUM GREEN	7	15	7	15	7	15	7	15
BK MIN GREEN								
CS MIN GREEN	7				7			
DELAY GREEN								
WALK		7		7		7		7
WALK 2								
PED CLEAR		33		33		29		33
PED CLEAR 2								
VEHICLE EXT	2.1	4.6	2.1	6.0	2.1	4.7	2.1	6.0
VEHICLE EXT 2								
MAX 1	25	55	30	40	15	55	25	40
MAX 2	30	55	45	40	15	110	20	60
MAX 3	25	105	40	65	15	70	35	65
DYM MAX								
DYM STP								
YELLOW	3.0	4.3	3.0	5.0	3.0	4.6	3.0	5.3
RED CLEAR	3.5	2.3	3.3	2.0	3.5	2.0	3.3	1.7
RED MAX								
RED REVERT	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
ACT B4								
SEC/ACT		0.0		0.0		0.0		0.0
MAX INT		0		0		0		0
TIME B4		20		15		20		15
CARS WT								
STPT DUC								
TIME TO REDUCE		20		14		20		14
MIN GAP		3.0		3.0		3.0		3.0

Detector Extend/Delay

D2-3 & D2-4 - 'P' queue/stop bar detectors - 3.0 sec passage time

D4-3 & D4-4 - 'P' queue/stop bar detectors - 3.0 sec passage time

D6-3 & D6-4 - 'P' queue/stop bar detectors - 3.0 sec passage time

D8-3 & D8-4 - 'P' queue/stop bar detectors - 3.0 sec passage time

Set MAX 2 by Time of Day (TOD) from 6:00-8:30 AM, Monday-Friday (phase 1 conditionally served)

Set MAX 3 by Time of Day (TOD) from 2:30-6:30 PM, Monday-Friday (phase 5 conditionally served)

With 'P' detectors turning off after queue clears, gap reduction can be used for all 4 approaches, which should improve dilemma zone safety and enhance the efficiency of signal timing.

ø1, ø3, ø5, and ø7 left turn phases will operate in protected only mode daily from 5 AM - 10 PM, and in FYA mode all other hours

CSAH 14 (Main St.) & CSAH 78 (Hanson Blvd.) (Sys ID 7282)

FYA Time-of-Day Operation as of -

Day Plan	Event	Action Plan	Start Time	Left-Turn FYA Operation				
				Phase 1 (Southbound)	Phases 5 (Northbound)	Phase 3 (Westbound)	Phase 7 (Eastbound)	
Day Plan 1	1	2	0:00	Protected-Permissive	Protected-Permissive	Protected-Permissive	Protected-Permissive	
	2	1	5:00	Protected-Only	Protected-Only	Protected-Only	Protected-Only	
	3	3	6:00	Protected-Only	Protected-Only	Protected-Only	Protected-Only	Max 2
	4	1	8:30	Protected-Only	Protected-Only	Protected-Only	Protected-Only	
	5	4	14:30	Protected-Only	Protected-Only	Protected-Only	Protected-Only	Max 3
	6	1	18:30	Protected-Only	Protected-Only	Protected-Only	Protected-Only	
	7	2	22:00	Protected-Permissive	Protected-Permissive	Protected-Permissive	Protected-Permissive	