

**CSAH 14 @ CSAH 51 - SIGNAL CODE 7285 - BY PHASE TIMING  
PROPOSED - 02/18/2025**

**BY PHASE TIMING DATA**

PHASE	ø1	ø2	ø3	ø4	ø5	ø6	ø7	ø8
DIRECTION	WBLT	EBT	NBLT	SBT	EBLT	WBT	SBLT	NBT
MINIMUM GREEN	7	15	7	10	7	15	7	10
BK MIN GREEN								
CS MIN GREEN								
DELAY GREEN								
WALK		7		7		7		7
WALK 2								
PED CLEAR		28		31		26		33
PED CLEAR 2								
VEHICLE EXT	2.1	5.9	2.1	2.0	2.1	5.7	2.1	2.5
VEHICLE EXT 2								
MAX 1	20	55	20	30	15	55	15	30
MAX 2	35	55	25	50	50	55	30	65
MAX 3	15	40	15	50	25	40	50	25
DYM MAX								
DYM STP								
YELLOW	3.0	5.0	3.0	3.2	3.0	4.8	3.0	4.6
RED CLEAR	3.5	1.6	2.9	4.1	3.5	1.8	3.2	2.7
RED MAX								
RED REVERT	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
ACT B4								
SEC/ACT		1.5				1.5		
MAX INT		43				38		
TIME B4		19				19		
CARS WT								
STPT DUC								
TIME TO REDUCE		19				19		
MIN GAP		3.0				3.5		

**Detector Extend/Delay**

D4-1 extend - 0.5 sec.

D4-3 delay - 10.0 sec.

D8-1 extend - 3.5 sec.

D8-3 delay - 10.0 sec.

For school year months, set MAX 2 by Time of Day (TOD) from 7:00-7:45 AM, Monday-Friday

For school year months, set MAX 3 by Time of Day (TOD) from 2:00-2:45 PM, Monday-Friday

ø1 and ø5 left turn phases will operate in protected only mode daily from 6 AM - 9 PM, and in FYA mode all other hours

ø3 left turn phase will operate in FYA mode for all hours daily

For school year months, ø7 left turn phase will operate in protected only mode Tuesday-Friday, from 7:00 AM - 7:45 AM, Monday from 8:10 AM - 9:00 AM (BHS late start), and in FYA mode all other hours

FYA Time-of-Day Operation as of - 9/16/25

Day Plan	Event	Action Plan	Start Time	Left-Turn FYA Operation				
				Phase 1 (Westbound)	Phases 5 (Eastbound)	Phase 3 (Northbound)	Phase 7 (Southbound)	
Day Plan 1 (School Year Tue-Fri)	1	100	0:00	Protected-Permissive	Protected-Permissive	Protected-Permissive	Protected-Permissive	
	2	1	6:00	Protected-Only	Protected-Only	Protected-Permissive	Protected-Permissive	
	3	6	6:50	Protected-Only	Protected-Only	Protected-Permissive	Protected-Only	FREE (Max 2)
	4	2	7:35	Protected-Only	Protected-Only	Protected-Permissive	Protected-Permissive	
	5	3	8:30	Protected-Only	Protected-Only	Protected-Permissive	Protected-Permissive	
	6	7	13:50	Protected-Only	Protected-Only	Protected-Permissive	Protected-Permissive	FREE (Max 3)
	7	4	14:35	Protected-Only	Protected-Only	Protected-Permissive	Protected-Permissive	
	8	5	16:00	Protected-Only	Protected-Only	Protected-Permissive	Protected-Permissive	
	9	4	17:30	Protected-Only	Protected-Only	Protected-Permissive	Protected-Permissive	
	10	3	19:00	Protected-Only	Protected-Only	Protected-Permissive	Protected-Permissive	
	11	100	21:00	Protected-Permissive	Protected-Permissive	Protected-Permissive	Protected-Permissive	
Day Plan 2 (Weekend)	1	100	0:00	Protected-Permissive	Protected-Permissive	Protected-Permissive	Protected-Permissive	
	2	8	6:00	Protected-Only	Protected-Only	Protected-Permissive	Protected-Permissive	FREE
	3	3	8:00	Protected-Only	Protected-Only	Protected-Permissive	Protected-Permissive	
	4	4	9:30	Protected-Only	Protected-Only	Protected-Permissive	Protected-Permissive	
	5	3	17:00	Protected-Only	Protected-Only	Protected-Permissive	Protected-Permissive	
	6	100	21:00	Protected-Permissive	Protected-Permissive	Protected-Permissive	Protected-Permissive	
Day Plan 3 (Summer Mon-Fri)	1	100	0:00	Protected-Permissive	Protected-Permissive	Protected-Permissive	Protected-Permissive	
	2	1	6:00	Protected-Only	Protected-Only	Protected-Permissive	Protected-Permissive	
	3	2	7:00	Protected-Only	Protected-Only	Protected-Permissive	Protected-Permissive	
	4	3	8:30	Protected-Only	Protected-Only	Protected-Permissive	Protected-Permissive	
	5	4	15:00	Protected-Only	Protected-Only	Protected-Permissive	Protected-Permissive	
	6	5	16:00	Protected-Only	Protected-Only	Protected-Permissive	Protected-Permissive	
	7	4	17:30	Protected-Only	Protected-Only	Protected-Permissive	Protected-Permissive	
	8	3	19:00	Protected-Only	Protected-Only	Protected-Permissive	Protected-Permissive	
	9	100	21:00	Protected-Permissive	Protected-Permissive	Protected-Permissive	Protected-Permissive	
Day Plan 4 (School Year Monday)	1	100	0:00	Protected-Permissive	Protected-Permissive	Protected-Permissive	Protected-Permissive	
	2	1	6:00	Protected-Only	Protected-Only	Protected-Permissive	Protected-Permissive	
	3	11	6:50	Protected-Only	Protected-Only	Protected-Permissive	Protected-Only	
	4	12	7:00	Protected-Only	Protected-Only	Protected-Permissive	Protected-Only	
	5	6	7:40	Protected-Only	Protected-Only	Protected-Permissive	Protected-Permissive	FREE (Max 2)
	6	3	8:30	Protected-Only	Protected-Only	Protected-Permissive	Protected-Permissive	
	7	7	13:50	Protected-Only	Protected-Only	Protected-Permissive	Protected-Permissive	FREE (Max 3)
	8	4	14:35	Protected-Only	Protected-Only	Protected-Permissive	Protected-Permissive	
	9	5	16:00	Protected-Only	Protected-Only	Protected-Permissive	Protected-Permissive	
	10	4	17:30	Protected-Only	Protected-Only	Protected-Permissive	Protected-Permissive	
	11	3	19:00	Protected-Only	Protected-Only	Protected-Permissive	Protected-Permissive	
	12	100	21:00	Protected-Permissive	Protected-Permissive	Protected-Permissive	Protected-Permissive	

# CSAH 14 (Main St.) @ CSAH 51 (University Ave.) Logic Statements

p501-UI PANEL-12.64.00 COBALT-1000

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LP#: 1 COPY FROM: 1 ACTIVE:N
IF --F CTR PHASE TIMING 4 IS ON
AND --F CTR PED CLR TMR R1 IS 5

THEN CRD SET FREE ON

ELSE
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R1 02 01 | 03 04 |  
R2 06 05 | 07 08 |  
R3  
R4

MM SM ND NS

1	2	3
4	5	6
7	8	9
SF	0	C

U  
L E R  
D  
H Status NP Small

p501-UI PANEL-12.64.00 COBALT-1000

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LP#: 2 COPY FROM: 2 ACTIVE:N
IF --F CTR PHASE TIMING 8 IS ON
AND --F CTR PED CLR TMR R2 IS 5

THEN CRD SET FREE ON

ELSE
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R1 02 01 | 03 04 |  
R2 06 05 | 07 08 |  
R3  
R4

MM SM ND NS

1	2	3
4	5	6
7	8	9
SF	0	C

U  
L E R  
D  
H Status NP Small