

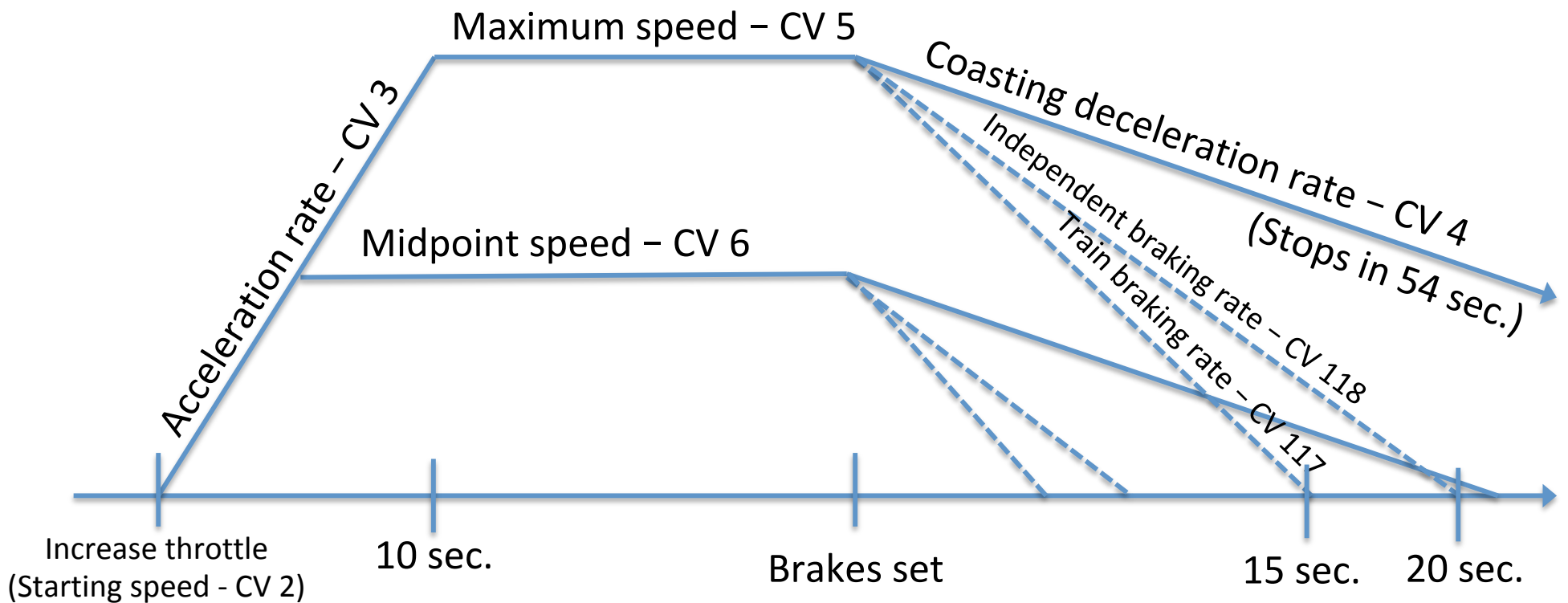
**CV settings for braking functions on Burr Stewart's Burrington Northern-Seattle Region**

Decoder make ->		Tsunami-1		Tsunami-2		ESU - "Select"	
		CV #	value	CV #	value	CV #	value
<b>Master Sound Volume</b>		CV 128	30 ish	CV 128	40 ish	CV 63	30 ish
Brake volume		CV 139	100 ish	CV 139	100 ish	CV 1.355	80
						(i.e.CV32=1)	
<b>Basic motor controls</b>							
starting voltage	goal=creep	n/a		CV 2	0	CV 2	2 ish
max voltage	goal=50 SMPH	n/a		CV 5	110	CV 5	200-250
mid-range voltage	goal=20 SMPH	n/a		CV 6	50	CV 6	100-125
speed curve	goal=50/20 SMPH	CV 25	10 or 2	n/a		n/a	
forward trim	goal=50 SMPH	CV 66	80 typ	n/a		n/a	
reverse trim	goal=50 SMPH	CV 95	80 typ	n/a		n/a	
<b>Momentum rates</b>							
acceleration rate CV3	0-50 in 10 seconds		13		13		40
deceleration rate CV4	50-0 in 54 seconds		60		60		215
<b>Braking rates</b>	50-0 in 15 seconds						
independent	"	CV 118	169	CV 118	169	n/a	
train	"	CV 117	169	CV 117	169	n/a	
dynamic	"	CV 116	TBD	CV 116	TBD	CV 179	60

from NMRA RMMBC 2019 clinic by Burr Stewart

For more information, see [blogspot.burringtonnorthern.com](http://blogspot.burringtonnorthern.com)

# DCC – CV\* Brake setting basics



\* Digital Command Control – Configuration Variables