Odometer Check:

Start of Rally: Exit Super Burger from the northern most exit. There is a small stake in the ground on the right side of this exit. Zero your odometer when the front of your car is beside this stake. Your first instruction, at 0.00 km is to turn right onto Prince of Wales, then turn left at Hwy 89.

Your official start time is 11:00 am plus your car number (in minutes).

Take 18 minutes 5 seconds to reach the end of section at 14.55 km.

km (accumulative)

- 0.00 Turn right onto Prince of Wales.
- 0.08 Turn left at the lights onto Hwy 89
- 5.41 Turn left onto 3rd Line E
- 5.50 Forced Left onto Mono Mulmur Town Line. Caution: 1 lane bridge ahead.
- 5.94 Stop. Bear Right onto Hwy 89
- 8.06 Right onto 1st line East.
- 11.45 Straight ahead at 5th Side Road.

ODO CHECK: Hydro Pole on the right side of the junction.

Novices: Note your car odometer at this point, then pull ahead so others may take an accurate reading. Use the calculation below to calibrate your Odometer to the instructions.

- 12.70 Straight ahead at 8th Side Road.
- 14.55 Stop. Turn Left onto 10th Side Road. END OF SECTION.

Novice Tip: Remember the Section 1 is an "elapsed time" section. Start Section Two 18 minutes and 5 seconds after your official rally start time (11:00:00 + Car# (minutes) + 18:05)

Odometer Calibration: Divide your noted car odometer by 11.45. This will give you a calibration factor to apply to all further instructions in this rally. For example: (Car Odo = 11.70, Rally Odo check = 11.45) 11.70/11.45 = 1.022

The next instruction at 12.70 km would appear at 12.97 km on the car odo (12.7 x 1.022)

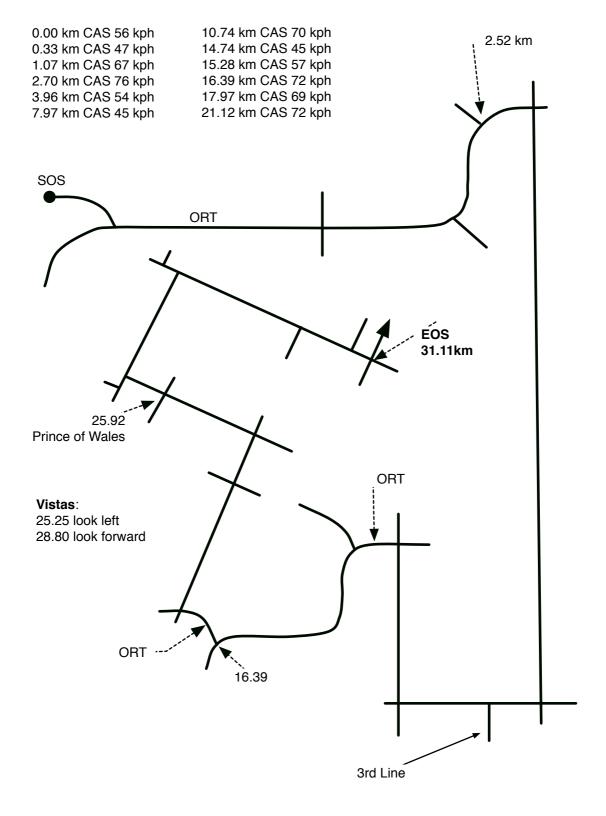
Welcome to the First Frost Rally

Now that I have you out on the road, I'd like you to turn left onto 10th Sideroad and proceed at an average speed of 76 kph while I tell you all about the 2009 First Frost Rally. This is the first Navigational Rally to be hosted by SPDA. This is a tale of many route recon outings, getting lost and stuck, and generally having a great time on Ontario roads. Take the right turn onto Centre Road for example. We found out it has no winter maintenance, so you'll want to drive past it and turn right on Prince of Wales instead. At 3.88 km, slow to 56 kph and take caution on the upcoming downhill if it's slippery out. During the creation of this rally, we had our cars stuck in the snow or ditches a total of 5 times, so if we happen to note a caution, you'll probably want to be careful. Stop and turn right at the Tee intersection! Whew, that was close. Better slow down a smidgeon to 47 kph at 5.13 km. Anyways, the route was put together using Google maps "terrain" feature, which gave us a pretty clear view of all the hilly, twisty, and otherwise entertaining roads. When drivers put together rally routes, you get awesome roads, but not much consideration for the Nav's. Sorry. After all, I don't have to sit in the right seat. I sit in the left seat. Speaking of left, we took a trip up 15th Side Road. Yeah, another no maintenance road, so don't go there. Drive past the other end of Centre Road on you right. I told you earlier that it's no winter maintenance. Besides, River Road is nice in it's own way, plus at 6.88 km you can speed up again to 57 kph. That'll take you past the other, OTHER end of Centre Road. Don't ask me. Maybe they like the name "Centre Road" here or something. Maybe I do too, because you're coming up on a fun road you can finally go up, which is (you guessed it) Centre Road on your left. It's a single lane, so lets slow down to 37 kph right when you turn left at 9.09 km. Sorry, I shouldn't say right when you're turning left, as it might be confusing, right? We started working on this route back in February so that we'd know first hand what the possible conditions would be like. Our first recon trip was a few days after some rain came down, so there was ice under the snow. Pretty much the worst conditions possible. On our very first trip out, even driving slow, we slid into a ditch before we'd gone 2.63 km, then spent the next 1.6 hours digging out and waiting for a tow before continuing on our way. Don't worry, we're not using that road, because it was another no maintenance road (or NWM's as they came to be known).

Centre Road was fun wasn't it? Stop, then take a right at 20th side road, speeding up to 54 kph when you turn. Beware of oncoming rally traffic (ORT) on this road. Take another right at the Tee intersection and increase your speed to 56 kph. Take a right onto Centre Road and at 13.84 km and decrease speed to 37 kph when you do so. When you stop at the intersection at the top, take a look to the left. There's another awesome road in there. Awesome except for when I slid 45 feet dead sideways down an icy 1 lane road with trees a couple feet to either side. Great Fun, but lets not go down that road yet. Continue straight ahead up Centre Road, increasing to 63 kph. If other traffic held you up you may want to go a bit faster. The Rally was originally going to start somewhere in Caledon, and continue up through Mono to the current start of the rally. Mono has some great roads for rally, but regrettably they have some bylaws concerning motorsports. We had some real fun in Mono (we got stuck there more than anywhere else), but we have to respect their laws, (and the \$2000 deposit they want for using their roads), so we've used other roads instead. No hard feelings though. It's a great community that everyone should take a quiet drive through some time. At 18.18km, stop. turn right onto 25th Side Road, and change you average speed to 69 kph. Today's route will take you far, over exciting roads and into beautiful scenery. I'd like the navigators to enjoy some of the scenery, so where it won't spoil the section instructions, I've marked some locations as a **VISTA**, with a direction relative to the car. Vista notes will be noted separately so as not to confuse them with the navigational instructions. You can ignore the vistas if you'd like, as there will be no tricks at the vistas, nor anything else that you need for the rally. Think of them as key places to look up and take in the spectacular views, assuming you're on route which isn't going to be the case if you don't turn right onto 1st Line East and slow your speed to 66 kph when you turn. We'd like to thank you all for coming out to SPDA's inaugural "First Frost Rally" and caution you about the very steep and twisty downhill sections ahead. The section ends at 23.67km at the end of the road, pausing 48 seconds for mental sanity, then turning left at 20th side road. That's just after you've increased speed to 70 kph at 23.45 km.

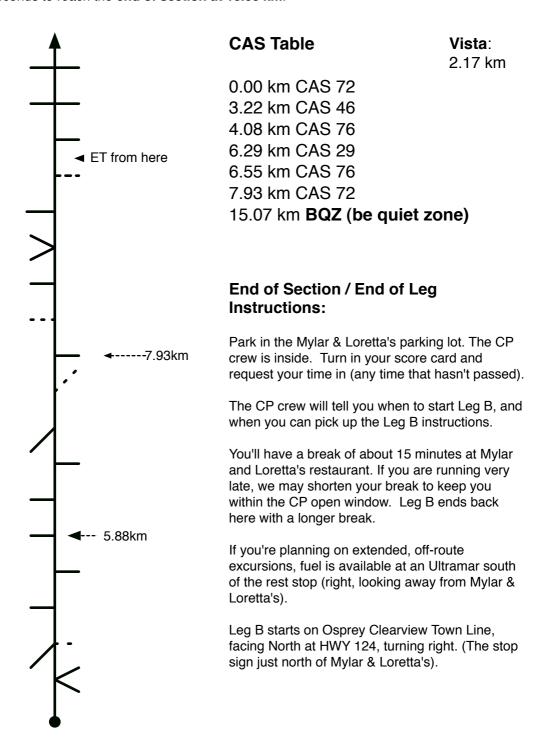
Folding Space

Among the things to bring when you're out making maps, would be a compass and a ruler, without which I'm sorry to say, you get something like the following. Lacking a compass, some of these roads aren't as square to each other, nor are they as straight as they may appear, and without a ruler I'm afraid the scale of the map is right out the window.



Straight Ahead - Sort Of

Follow the straight line diagram to the end of Leg A. At 15.07 km take 7 minutes 50 seconds to reach the **end of section at 16.60 km**.



First Frost 2009 Leg A - End of Section Details

Leg: A Start of Section: 1

Approximate Car 0 time: 11:00 am

Start of Rally is from the most Northern exit of SuperBurger, turning right onto Price of Wales,

then immediately left at the traffic lights on HWY 89.

Leg: A End of Section: 1

Approximate Car 0 time: 11:18 am

Section 1 ends facing North on 1st Line East, turning left (west) onto 10th Sideroad.

N: 44° 09.112 W: 80° 07.183

Leg: A End of Section: 2

Approximate Car 0 time: 11:45 am

Section 2 ends facing South East on 1st Line E, turning left (NE) onto 20th Sideroad (River

Road).

N: 44°12.443 w: 80° 07.526

Leg: A End of Section: 3

Approximate Car 0 time: 12:24 pm

Section 3 ends facing East on Mulmur / Nottawasaga Town Line, turning left (North) onto

Centre Road / Lavender Hill Road. N: 44° 16.034 W: 80° 09.813

Leg: A End of Section: 4

Approximate Car 0 time: 12:45 pm

Section 4 ends in the town of Singhampton, in the parking lot of Mylar & Loretta's restaurant. This is the end of Leg A. Turn in your timing card to the checkpoint crew inside the restaurant,

and receive your Leg B start time and instructions.

First Frost 2009 Leg B - Section 1 - Novice

Everyone Loves Road Counting.

Vistas: 6.67 Ahead Right 12.35 Look Right

Accumulative

Start Leg B facing north on Osprey Clearview Town line, turning right onto Hwy 124 (at the stop sign just north of Mylar and Loretta's). Zero your odometer at this point. You will pass a few roads in Singhampton on Hwy 124 before finding the intersection at 2.76km.

In this road counting section, count roads in the counter clockiwise direction. You enter on road #0 with the first road to your right (counter clockwise) being road #1. Keep counting in a counter clockwise direction. Your exit road is the number at the distance below. Go straight at intersections that do not have an instruction.

Accumu	ılative Route I	CAS Table 0.00 km CAS 46 kph		
0.00 km 2.76 km 6.47 km 7.71 km 10.15 km 12.94 km	2 6 16 23	17.16 km	1 (Reid's Hill) 10 13 (4th Line) 6	0.73 km CAS 76 kph EQZ 6.47 km CAS 72 kph 15.71 km CAS 74 kph 17.12 km CAS 38 kph 17.16 km CAS 54 kph 19.84 km CAS 76 kph 23.31 km CAS 45 kph

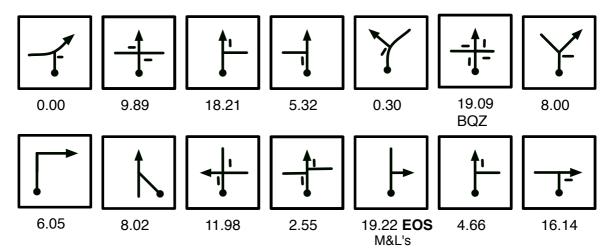
First Frost 2009

Leg B - Section 3 - Novice

Yay! Simple Tulips.

0.00 km CAS 76 0.30 km CAS 72 6.05 km CAS 53 (Reid's Hill) 8.00 km CAS 36 8.02 km CAS 76 18.33 km CAS 66

Relax for a bit with these simple out of order tulips. From 18.33 km take 4 minutes 51 seconds to reach the end of section.



EOS / EOL Instructions: Again, Park in Mylar & Loretta's and hand in your score card, with your requested time in, to the CP crew there.

You will be given your time out for start of Leg C, and the time that you can pick up Leg C route instructions. There will be a long break at this CP (about 40 minutes). As with before, this may be shorter if you're late.

Leg C starts on Osprey Clearview Town Line, facing North at HWY 124, turning right. (The stop sign just north of Mylar & Loretta's). Or exactly where Leg B started.

First Frost 2009 Leg B - Section 2 - Novice

aixelsyD eramthgiN

(aka: gniyllaR htiw ybuR)

Vistas (not backwards) 6.35 look right 11.20 look ahead 13.80 look right 21.50 look left

eW detnaw ot od a tib fo na tnemirepxe ereh ot ees fi ew nac reggirt emos cixelsyd snoitcaer tsgnoma enoyreve tuo ereht, os gnihtyreve (srebmun dedulcni) si delleps sdarwkcab. s'tl ton a rorrim egami hguoht, sa lla eht sretcarahc dna secnetnes era drawrof gnicaf. secnatsiD era evitalumucca, dna ni redro.

Tip: All words and numbers are printed in reverse. Since your distances are also backwards, remember that whole numbers come after the decimal!

If you're dyslexic, maybe this will just all make sense!

00.00 potS. tfeL otno ediS daoR 6. SAC 27

77.20 potS. thgiR.

36.40 potS. tfeL. SAC 47

19.50 dbeB thgir

80.60 dneB tfel

71.70 tzB, tzzb, tzzzb TZZZB!

14.70 potS. thgiartS deaha.

08.70 SAC 67

30.01 dneB tfel.

13.01 potS etucA thgir otno ht01 eniL

64.01 thgiartS deaha. SAC 17

73.21 thgiartS deaha.

36.21 SAC 44. noituaC, egdirB ta 48.21

09.21 tfeL.

33.31 **NOITUAC** elgniS enal egdirb

03.41 potS. tfeL SAC 27

09.41 decroF thgiR

13.61 potS. tfeL.

62.81 potS. tfeL.

63.81 thgiR

72.22 NOITUAC. elgniS enal egdirb

86.22 thgiartS deaha tsap ht01 eniL

00.32 SAC 05.15

00.42 NOITUAC. sworran retfa llihnwod dneb.

25.42 SAC 07

08.62 SAC 05

89.62 decroF tfel.

01.72 SAC 27

64.82 thgiartS deaha

02.92 SAC 26

23.03 potS. esuaP 41 sdnoces. raeB thgiR.

SOE

AHHH! Make it Stop!

First Frost 2009 Leg B - End of Section Details

Leg: B Start of Section: 1

Approximate Car 0 time: 1:02 pm

Leg B starts facing North on Osprey Clearview Town Line (Hwy 124), turning right (East) onto Hwy 124. This is the stop sign just north of Mylar & Loretta's, visible to the left as you exit the restaurant. Zero your odometer at the stop sign.

Leg: B End of Section: 1

Approximate Car 0 time: 1:23 pm

Section 1 ends facing North on 4th line, turning left (West) onto Side Road 6.

N: 44° 26.059 W: 80° 20.391

Leg: B End of Section: 2

Approximate Car 0 time: 2:00 pm

Section 2 ends facing North East on Osprey / Blue Mountains Town Line, Bearing right onto Grey Rd 2. Osprey / Blue Mountains Town Line has two ends on the west side of the road. The southern end is correct.

N: 44° 23.265 W: 80° 23.716

Leg: B End of Section: 3

Approximate Car 0 time: 2:20 pm

Section 3 ends in the town of Singhampton, in the parking lot of Mylar & Loretta's restaurant. This is the end of Leg A. Turn in your timing card to the checkpoint crew inside the restaurant, and receive your Leg B start time and instructions.

Colossal Tulip

Start this section facing north on Osprey Clearview town line, turning right onto Hwy 124. Zero your odometer at the stop sign. In Singhampton, on Hwy 124, Go straight ahead at Church Street, then turn right at Milltown Road, then left onto Ewing Road.

Open the Colossal Tulip map. We wanted to use large type for your tired eyes, but after we scaled the map, for some reason wouldn't fit on the remainder of this page. Proceed through the 4 points indicated (#1 to #4) using the shortest distance possible for the entire route. No U-turns are allowed. You may not use the same road twice, though you may cross a road you've been on previously.

Use the average speeds posted on this page. Be sure to check there aren't additional instructions on the back of the map.

Creemore: If you enter Creemore, use only Hwy 9 (Louisa St) and Collingwood St.

Pangnirtung: If you enter Pangnirtung, you're on Baffin Island, and really REALLY off route. Be careful you aren't and selection and really careful you aren't and selection are selected as a selection of the selection and selection are selected as a selection of the selection are selected as a selection are selected as a selection of the se

0.00	km	CAS	47.2	kph
1.69	km	CAS	72	kph
16.25	km	CAS	76	kph
18.38	km	CAS	57.5	kph
21.08	km	CAS	72	kph

CAS table:

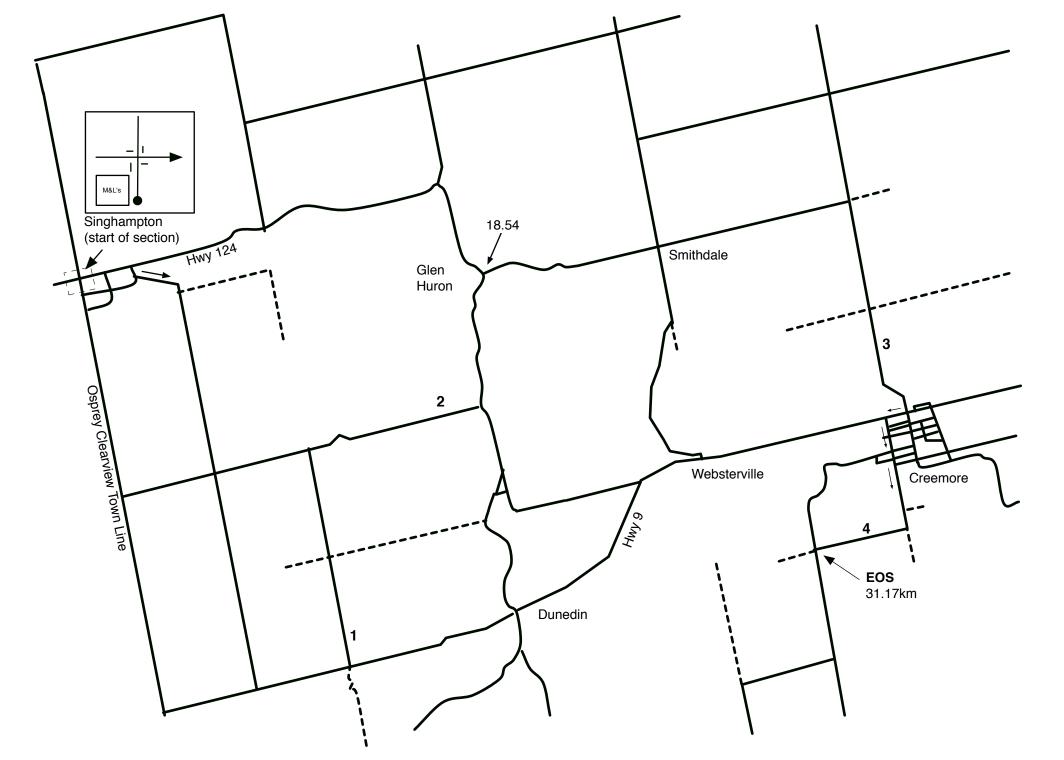
23.87 km CAS 76 kph 27.38 km CAS 45 kph

29.79 km CAS 71 kph

28.70 km Pause 1.7 minutes

Vistas:

8.80 km look ahead 22.50 km look ahead 25.47 km everywhere



English, French, and WHAT?

For some time, I've been considering going up to Baffin Island to climb Mount Thor. As a rock climber of many years, I'm drawn to Mount Thor's difficult northern face, which is almost completely vertical and about 4,200 ft. tall. I say almost vertical, because the top third of the mountain actually has a 15 degree overhang. So if you fell to your death from the top, not only would you not hit anything on the way down, but you'd actually make a crater over 200 ft away from the base of the climb. Neat huh? Of course this has nothing to do with this section. I just thought it was interesting.

Many Inuit peoples live on Baffin Island, and since they have such a great abundance of roads up there (just over 23 km at last I checked), i figured it would be great to describe this part of the route using one of their native written lanuages, Inuktitut. A small translation guide is on the next page. Apologies in advance to anyone who actually speaks or reads Inuktitut, for my complete butchering of the language.

Vistas: 7.80 Look Ahead 19.40 Look Left

3.26 <u>DPC</u>56D56

 $3.75 \ \mathsf{DPC^4D^4}$. $\ \mathsf{APA^4>^4} \ \mathsf{DA^4}$

4.10 Caution! Single Lane Bridge

4.46 Λ ቦላ% >% Δ^{5} ና σ % ሀር የbPትላ Δ^{5} ር 72

5.13 DPC 50 D50

9.86 ⊃P⊂^{Sb}⊃Sb past 4th line

10.08 <u>PC 56</u> 256

11.07 $\D^{\text{L}} = \D^{\text{L}} = \D^{\text{L}}$

14.15 ⊃P⊂⁵⁶⊃⁵⁶ past 30th side road (dead end road).

15.30 ∆⁵b. H⊲'S

15.43 ⊃P⊂⁵⁶⊃⁵⁶

15.90 $\wedge \Gamma \triangleleft ^{\varsigma_b} > ^{\varsigma_b} \quad \triangleright \triangle ^{\flat_{\dot{\gamma}}} \circ \sigma^{\varsigma_b} \cup \Gamma \circ b \triangleright + b \cap ^{\varsigma_b} \cup 41$

16.82 L√2∩ onto 4th line

 $20.45 \wedge \Gamma \triangleleft^{\varsigma_b} >^{\varsigma_b} >^{\varsigma_b} \wedge \Gamma \triangleleft^{\varsigma_b} >^{\varsigma_b} \wedge \Gamma \triangleleft^{\varsigma_b} \wedge \Gamma \square^{\varsigma_b} \wedge \Gamma \square^{\varsigma_b$

English / Inuktitut phrase translations

Stop! - △^{Sb}

Left - Ld2U

Not Left - くしょこしんこら (because there's no translation for "Right")

Begin - ∧∩⊲^{5b}>^{5b}

Turn Left! - H⊲'S (you can see the similarities, right?)

Go Straight - ⊃P⊂⁵⁶⊃⁵⁶

One - 4CD756

Acute - 人るしてくつい

Eaten by Bear - a_o^{cb}C^{cb} (I thought it interesting that when doing a search on "bear", I got four pages of results, and this was the first phrase it showed)

Act with Caution - $\Delta \cap ^{c} \supset ^{c} > ^{c}$

Bridge - PJN~Jac JALtc

Speed - ▷Δ^ϧϧʹσ^ͺ, UC ^៶b▷¬\D∩ ^{\bar\boldon} (really, this means tachometer, which is odd given I found no translation for "speed".)

Folding Time

The real value of Steve's rally car "Ol' Smokey" isn't that it gets great gas mileage, or that it has excessive horsepower. It doesn't have a great paint job, It doesn't always work, and if you plan on driving it you'd better love the smell of burning oil. The frame creaks as you turn corners, and the rear brakes make this mysterious knocking noise when they get hot. What Ol' Smokey does have though, is a fully working Flux Capacitor and the required 1.21 gigawatts of power required to use it (really it was the Flux Capacitor and not the poorly wired headlights that set off all of Roger's Ham Radio equipment one day).

In this section, we recount one of our scouting trips through the last section of this rally. Of course, the odometer wasn't working that day, so rather than distances to instructions, we've given you the time we took between each instruction, and the average speed we were driving. We've only recorded the time to changes of speed or direction, so you may go straight ahead through some intersections.

The Flux Capacitor is set to jump back or forward in time, every time we accelerate past 65 kph. What? You don't think Ol' Smokey zero's CP's due to driver skill do you? Lucky for you the Flux Capacitor was broken when we recorded the Novice Instructions. Don't be too surprised if you see a few lost Experts out there though.

Route Instructions are on the next page. Some helpful formulas and end of rally instructions are below.

Calculating End of Rally Time:

Note your time at 27.27 km into the section. Add to this time, 9 minutes, 63 seconds, plus one additional minute for every time the rally took you through an intersection with traffic lights over the entire route (Legs A, B and C). **This is your ideal time in**.

Write your ideal time in on your score card and hand it in to the CP crew at the end of the rally, at SuperBurger.

Please park at the north end of the parking lot.

speed (kph) x time (hours) = distance (km)

Folding Time Route

Vistas:

33.42 Look Right

0.00 S L onto 25th Sideroad, CAS 76

0.165 minutes R CAS 60 (Minutes / 60) x speed = distance

 $0.165 / 60 \times 76$ kph = 0.209 km

1.240 CAS 72 $1.240 / 60 \times 60 = 1.240 \text{ km}$

1.758 S R

1.050 CAS 70

1.398 CAS 54

0.289 L to 2nd Line E. CAS 47

1.072 CAS 60

2.180 CAS 72

0.967 R

1.141 BL. Then S BL

1.367 CAS 54

0.511 CAS 72

0.850 S L onto 10th sideroad. CAS 76

0.371 CAS 47

1.787 CAS 76

1.855 R. CAS 54. Caution Single Lane Bridge 460m in.

0.511 CAS 72

2.205 R

3.834 S R. Onto Hwy 89. Elapsed Time to End of Rally is from this point.

0.267 R CAS 45, then a forced left

0.706 S BR CAS 76

3.851 S R

0.071 L into SuperBurger Northern entrance. EOS, EOR.

First Frost 2009 Leg C - End of Section Details

Leg: C Start of Section: 1

Approximate Car 0 time: 3:15 pm

Leg C starts facing North on Osprey Clearview Town Line (Hwy 124), turning right (East) onto Hwy 124. This is the stop sign just north of Mylar & Loretta's, visible to the left as you exit the restaurant. Zero your odometer at the stop sign.

Leg: C End of Section: 1

Approximate Car 0 time: 3:55 pm

Section 1 ends facing West on 6/7 Sideroad Nottawasaga,, turning left (south) on Concession 5

Nottawasaga S.

N: 44° 18.614 W: 80° 07.380

Leg: C End of Section: 2

Approximate Car 0 time: 4:10 pm

Section 2 ends facing south on 4th Line, turning left (East) onto 25th Sideroad.

N: 44° 14.682 W: 80° 5.219

Leg: C End of Section: 3

Approximate Car 0 time: 4:51 pm

Section 3 Ends at SuperBurger on Hwy 89 at Hwy 10 / Prince of Wales. Please park in the northern area of the parking lot. Turn in your timing sheet to the checkpoint crew at SuperBurger.