

BMW Clubs  
Canada



*BMW Car Club of Ottawa*  
*Advanced Driving Schools*  
Calabogie Motorsports Park  
Ontario Canada

BMW Car Club  
Ottawa



This information package contains:

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## Welcome!

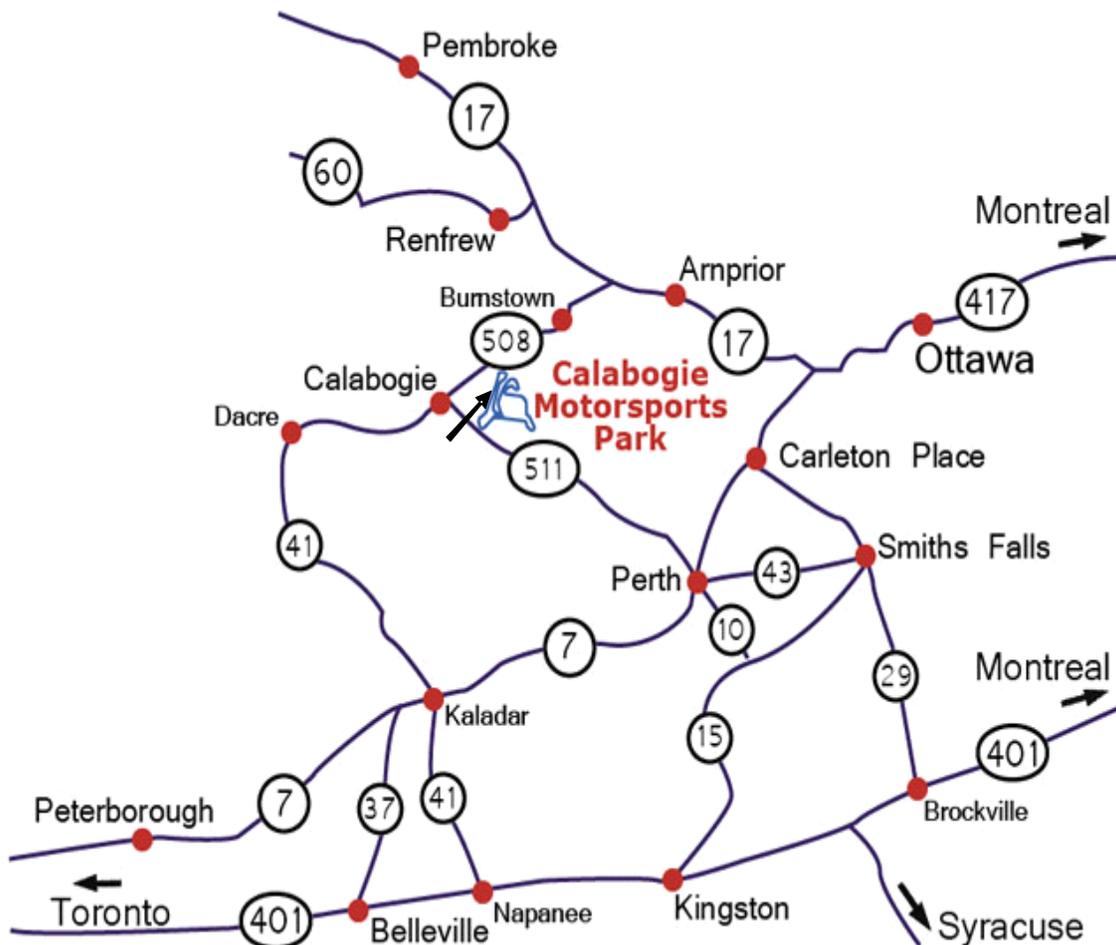
The BMW Car club of Ottawa is pleased to host an Advanced Driving School at Canada's newest race track, Calabogie Motorsports Park. The facility is located in the scenic Madawaska tourist area of eastern Ontario.

We encourage you to take the time to read through this student package. There is information covering many facets of an Advanced Driving School.

We look forward to meeting friends, old and new at this exciting and challenging venue.

Happy motoring!  
See you at the track!

## Directions to the Track.



### **Traveling from Toronto**

Highway 401 East to Belleville,  
3rd Exit Hwy 37 N through Tweed to Hwy 7;  
Turn right on Hwy 7 driving east to Perth (approximately 80 KM -50 Miles)  
As you drive into Perth Turn left onto Highway 511. Follow 511 to Calabogie.  
Wilson Farm Road is on the right side as you near Calabogie.

Look for a white house and Calabogie Motorsport signs.

Turn right on to Wilson Farm Road.

Barryvale Road is on the left side of the intersection.  
The facility is 2 kilometers down the Wilson Farm Road.

### **Traveling from Montreal**

Highway 40 West to Hwy 417 continuing to Ottawa.

### **Traveling from Ottawa / Montreal**

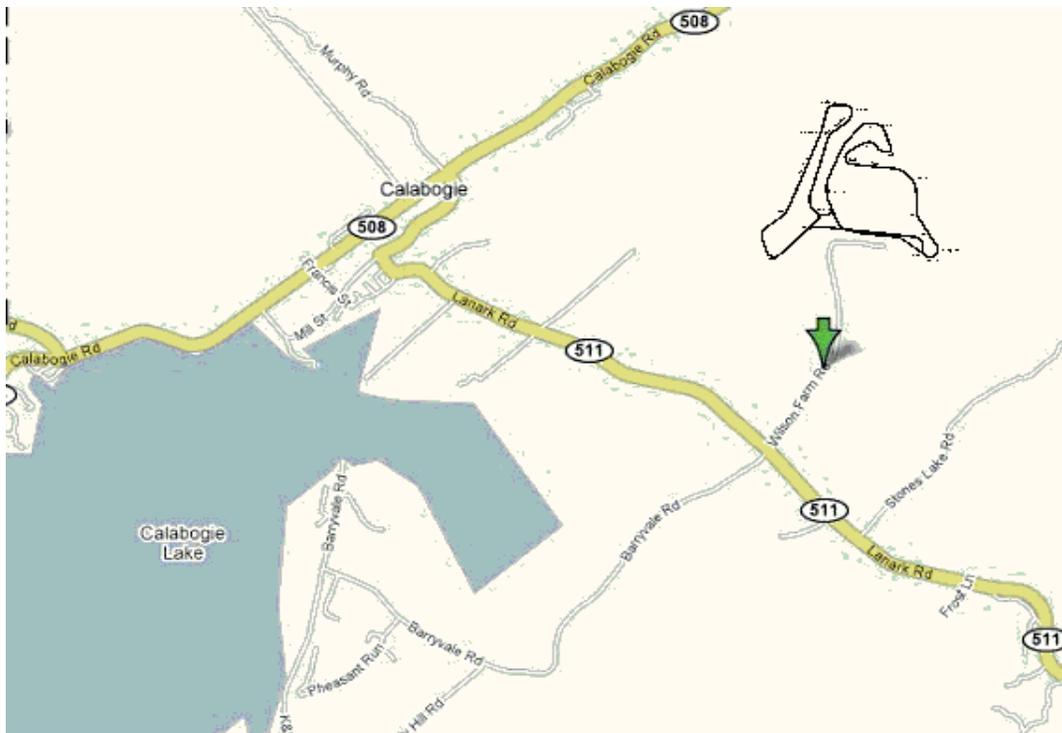
Highway 417 West,  
Continue past Arnprior approx 7 kilometers;  
Turn left onto Calabogie Road (Hwy 508) to Calabogie.  
As you enter Calabogie, turn left on Highway 511.  
Four kilometers out of Calabogie, look for a white house and Calabogie Motorsports signs  
on the left

Turn left on to Wilson Farm Road.

Barryvale Road is on the right side of the intersection  
The facility is 2 kilometers down the Wilson Farm Road.

Look for Calabogie Motorsports signs.

Calabogie Motorsports Park  
462 Wilson Farm Road  
Calabogie, Ontario  
K0J 1H0  
613-752-1252  
866-669-TRAK (8725) Toll Free



### Important notes on vehicles:

An advanced driving school brings a large number of drivers and their vehicles together. To maintain a safe environment for all, the following guidelines are used for all participants and their vehicles.

1. Race cars or "track day" vehicles (Radical, Ariel Atom etc) are allowed in the Instructor and A run group only.
2. Student vehicles require a Vehicle technical inspection by a licensed technician.
3. All B/C run group students MUST have a street legal, licensed and insured vehicle.
4. No timing devices are allowed in student vehicles or in the paddock.

### **5. Convertibles and cars with Folding Tops must have Rollover Protection that is compliant with the following guidelines:**

- a. Instructors and Students running in the A / B Groups must have rollover protection that meets current CASC-OR Solo Sprint Rules  
[http://www.casc.on.ca/documents/2008\\_SoloSprint\\_Rules.pdf](http://www.casc.on.ca/documents/2008_SoloSprint_Rules.pdf).
- b. Students in the Novice Run Groups can run with Factory Rollover Protection that passes the "Broomstick Test". BMW Z3/4 Porsche Boxster
- c. If the Rollover Protection is of the "Pop-up Type" they must be in the deployed (raised) position.
- d. The Broomstick Test requires there to be 2" of clearance between the driver/passenger's helmet and a broomstick placed on the top of the windshield and the roll hoop behind the driver/passenger. The driver should be in a normal driving position.

**e. Contact the Chief Instructor for pre-event inspection. Inspection can be arranged in Toronto, Montreal and Ottawa by appointment at least three (3) weeks before the event. Failure to meet the guidelines will mean you will not be able to run on the track, and will not be able to get a refund.**

6. SUVs / trucks and Vans are not allowed, with the exception of BMW X1/X3/X5/X6 and Porsche Cayenne vehicles with novice students ONLY.

No SUVs / trucks are allowed in the intermediate or advanced student run groups.

7. Passing will be indicated by arm signals (point by) or turn signal as determined by the Chief Driving Instructor(s).

8. Driver side and passenger side windows will be all the way up or all the way down as determined by the choice of passing signals. **You will be given instructions at the morning drivers meeting.**

**9. Tow Hooks / Tow loops. The installation of tow hooks / tow loops at the front and rear of the vehicle is strongly recommended. Having a tow hook / loop will allow speedy vehicle extraction and towing in the event of skids / spins or mechanical failure.**

**The use of a timing device by students and instructors is prohibited at our schools. Video / data-logging systems may be allowed at the discretion of the Chief Driving Instructor. Any such device must be securely mounted, tethered and out of the driver's line of sight. Equipment must not be adjusted or manipulated while the vehicle is on the track.**

**The use of radio controlled flying devices is prohibited.**

### **Instructors driving STUDENT Vehicles**

**For students who meet the following criteria:**

1. You have never driven on a race track
2. You have never driven at Calabogie Motorsports Park
3. You have limited knowledge of the track at Calabogie Motorsports Park

**The following is strongly recommended:**

Allow the instructor to drive your car for the first two laps at a slow pace (6/10ths or less) during the first session on the track.

This should give you, the student a chance to familiarize yourself with the track layout. Calabogie is one of the longest tracks in Canada. There are 20 + turns to complete when driving a lap of the circuit. Many corner combinations will look similar to drivers new to the Calabogie track.

If there are a large number of first time students in the Novice run group, the first Novice session may be run under a **FULL COURSE YELLOW** (reduced speed, **NO** passing) at the Chief Instructors discretion.

**IF** the first Novice session is run under a FULL COURSE YELLOW , students and their instructors may complete the session without wearing helmets.

Helmets **MUST** be worn by students and instructors at ALL other times when they are on the track.

Later in the day, take a ride with your Instructor and/or another instructor. The instructor will be able to demonstrate the concepts that are presented in the classroom: braking, acceleration, the correct line and so on.

If you would like your instructor to drive your car at any time other than the first session at a much faster pace, the Chief Instructor **MUST** be informed. Any instructor driving a student's vehicle **MUST** have the student in the passenger seat. **There are NO exceptions to this requirement.**

### **Driving School Minimum Requirements for tires.**

- Any individual tire cannot be more than 6 years old (see how to determine age below). At the time of writing (2015) any tire that was produced in 2008 or later is valid.
- Each axle must consist of the same tire make and tire size (i.e, Toyo T1---R 225/40 R18). You cannot have mixed tire makes/models or sizes across a given axle.
- Tires must be a DOT approved compound.
- H speed rated or higher. Minimum tread depth greater than 3/32" DOT approved.



In the example above:

**DOT U2LL LMLR 5107**

**51** Manufactured during the **51<sup>st</sup>** week of the year

**07** Manufactured during **2007**

While the entire Tire Identification Number is required to be branded onto one sidewall of every tire, current regulations also require that DOT and the first digits of the Tire Identification Number must also be branded onto the opposite sidewall. Therefore, it is possible to see a Tire Identification Number that appears incomplete and requires looking at the tire's other sidewall to find the entire Tire Identification Number

### **Suggested packing List**

**YOUR COMPLETED VEHICLE TECH INSPECTION FORM!!!** Before each event, you need to have your car inspected to make sure it's safe.. Without proof that your car has passed a technical inspection, you will NOT be allowed to drive your car on the track.

**Do not forget this critical document.**

**The document is required for you to drive on the track.**

**Helmet.** For the 2016 season, we will accept helmets with the following certifications: **Snell SA-2010, M-2010**, . Please note that SA2005 and M2005 certified helmets are no longer allowed at any track event run by the BMW CC. 2005 certified helmets may be accepted as a courtesy.

**Torque Wrench.** If you have a torque wrench, bring it with you. You will be checking wheel-nut torque throughout the day. This is a safety issue and should be considered mandatory.

**Tire pressure gauge.** A good tire pressure gauge will help you keep your tires at the proper inflation pressure. Tire pressures increase as they heat up during your driving sessions and may require adjustment.

A cooler full of **water**, Gatorade, or your favorite beverage (non-alcoholic, of course!) Also pack some light snacks to munch on throughout the day. Remember to drink plenty of fluids during the day. Keep well hydrated.

Rain gear for yourself and large plastic tarp to protect your belongings.

**Sunscreen, a hat, and bug spray.** There may be mosquitoes, black flies.

**Paper towels and glass cleaner.** **For those who wear eye glasses**, bring cleaner for your glasses as well.

**Appropriate clothing.** This includes snug fitting, low-cut, lace-up shoes. No high top sneakers or boots! Bring comfortable, loose fitting clothing. Bring a few extra layers as it can be cool in the morning and warm up as the day goes on.

Long, cotton pants (e.g., blue jeans) are required and long sleeve cotton shirts are recommended while driving. No synthetic fabrics. Wearing synthetic fabrics while driving on track is prohibited. This is a safety issue and exceptions are not allowed.

For our friends from the USA, bring your passport and appropriate identification. Sometimes it's easy to forget that Canada is another country. The proper documents make border crossings easy.

Drivers license, vehicle ownership papers and vehicle insurance slip.

**The above items should be considered absolute necessities.**

## Optional packing list.

If you have any room left in the trunk. A collapsible chair and a folding canopy can enhance your day whether confronted with rain or bright sunshine.

A basic set of hand tools is nice if something goes wrong (however, there will be plenty of people around that can lend tools if the need arises).

An inexpensive hydraulic jack makes rotating tires and swapping brake pads a lot easier, quicker, and safer than the scissors jack that came with your car. Again, there will be plenty around if you need one.

Bring 3 or 4 sheets of plywood (18" X 18" X ½" is a good size) to place under the jack wheels and safety stands. The paddock is paved and the plywood will protect the surface.

Front brake pads. Bring a spare set for your car (or tow vehicle) should the ones on the car get too thin. This should not be a problem for most students. But if you DO wear through your pads, you'll be glad you brought a spare set with you.

A small collection of spare parts, coolant hoses, hose clamps, spare bulbs for your lights and so on

Rain-X. If it starts to rain, a clean windshield topped with a couple of coats of Rain-X can make the all the difference between good visibility and "where am I now"???

Duct tape.

## Pre-event tasks.

**Tech Inspection.** Make sure that you have this completed a reasonable time before the event (2-3 weeks). Have your car tech inspected early so you have time to correct any problems that may be identified. Get your form signed by the technician completing the work.

During the time leading up to the event at Calabogie, novice and beginner students may find it helpful to watch videos of laps taken at the track. Do a Google Internet search "lap video calabogie" Watch the videos .. a lot .... the track is difficult to learn ... try to get a sense of the flow of the corners and try to memorize some land marks. As you watch the laps read the lap description presented at the end of this document and try to "follow" along. As silly as it may sound, it is easy to get "lost" on the track.

A few days before the event, you should spend some time reading through the student package. If anything doesn't make sense to you, make a note of it and remember to ask about it in the classroom or the paddock. Don't be shy : if you're confused about something, chances are others will be, too. They will appreciate your taking the initiative.

Check the weather forecast in the Calabogie area in the days leading up to the driving event. The expected weather will directly affect your choice of clothing and or protective gear. Search for Calabogie at <http://www.theweathernetwork.com/>.

On the day before the event, try to get the car packed early in the day. You don't want to be up half the night scrounging for your tire gage and clean underwear when you should be resting up for the drive to the track...not to mention all the driving you'll be doing once you get there! Last minute preparation is a sure-fire way to forget something important.

If you anticipate rain, apply several coats of Rain-X or similar product following the manufacturers' directions. Several coats of the product should be applied to a dry windshield and buffed clear for maximum effect.

Before traveling, add a little extra air pressure to your tires...about 3-4psi over the recommendation on the driver's door should be adequate. Don't worry about adding too much as you can always release some at the track. Cornering forces on the track are considerably higher than those on the street. Your tires will need the extra pressure to keep their shape and to keep you safe.

You are welcome to bring children or pets. However, children cannot be left unsupervised and all pets must be leashed and attended to at all times.

Make sure that your vehicle has as reasonable muffler. Every vehicle is tested for the amount of noise it makes before you are allowed on the track. Fail the noise check and you won't be able to drive on track.

## **SOUND LEVEL TESTING**

Calabogie Motorsports Park is very concerned regarding the impact of noise created at the race track. To ensure compliance with legislated noise restrictions every vehicle that is to run on the race track is subject to a sound level test. The test is performed for every event at the facility.

The sound level test is completed by a trained track employee using a high quality calibrated sound level meter.

At the start of a driving event your vehicle is subject to a "tech" inspection and the sound test. After your vehicle has been quickly inspected, you will be asked to drive slowly to the sound level check area in the paddock. The following will occur:

You will move your vehicle to a designated spot.

Vehicle information will be recorded (Make, Model, License # and so on)

The track employee will ask you to rev the vehicle engine to approximately  $\frac{3}{4}$  of maximum revs. For example if your vehicle red line is 6000 RPM you will blip the throttle to approximately 4500 RPM.

As you blip the throttle the sound measurements will be taken.

This process will be repeated at the front of the vehicle and at the rear of the vehicle.

**The vehicle must not exceed a maximum sound level equivalent to 92 db measured at a distance of 50 feet as the vehicle drives by on the track.**

The vehicle will be given a preliminary pass or fail rating.

If the vehicle has a pass rating, a sticker is applied to the windshield and the vehicle is allowed to drive on the track.

If the vehicle fails, an opportunity is given to remedy the problem and be retested.

**A FAILED VEHICLE WILL NOT BE ALLOWED ON THE TRACK.**

**NO REFUNDS WILL BE GIVEN FOR FAILED SOUND TESTS.**

**Throughout the day sound level readings will be taken at the side of the track. Noise restrictions apply. If your car is too loud as you drive past the sound measuring gear, you will be black flagged and asked to make changes or repairs to reduce the noise you vehicle makes.**

**Failure to meet the sound restrictions means you will not be able to drive.**

#### **WHAT CAN I EXPECT AT THE TRACK?**

The track gates open at approximately 7:00 A.M. You will be asked to sign a waiver at the gates by track employees. Drive to the large paddock area. Find a parking spot and proceed immediately to the event registration desk near the Administration building.

Registration starts at 7:15 am and will continue for about one hour.

Confirmation of opening times will be e-mailed a few days before the event.

**DO NOT BE LATE FOR REGISTRATION!** There will be many students, instructors, and volunteers to process. To ensure the event starts on time we must move quickly and without unnecessary delays. If you are late, you will miss out on some track time.

Bring your vehicle technical inspection form with you. Students will not be allowed to drive if they do not have proof that their car has passed a pre-event technical inspection by a certified technician / mechanic. There will be no exceptions and no refunds.

## **Do not forget the tech inspection form!**

If all of your paperwork is in order, you will be asked to sign a second waiver (this one for the Club) and you will be given your registration package, which includes your schedule for the event, instructor assignment, car numbers and a wristband. Put the wristband on your left wrist and don't take it off until the event is over (that means the WHOLE weekend!). The wristband tells everyone that you're supposed to be there. No one drives without a wristband. Any guests you bring with you will have to sign in at the track entrance and get a special visitors' wristband.

Once registration is complete, you will have time to go back to your car, empty its contents, and proceed to the track "technical inspection" area.

Make sure your car's interior is completely free of any loose items ( for example: CD's, soda cans, fuzzy dice, dashboard hula-hula girls, etc.). Completely clear out your map pockets, glove box, ashtrays, etc. Remove all floor mats. Clear your trunk of anything that is not bolted down. For example, most BMW's have their spare tires and jack securely bolted down. It's OK to leave those in place if you like. But anything loose must be removed. Remove any wheel-covers or hubcaps. Torque your wheel nuts to an appropriate setting using a torque wrench. For most BMW's with 17mm lug nuts, the appropriate wheel torque setting is approximately 87 - 89 ft/lbs (E30 87 lbs/ft, E36 and newer 89 ft/lb). If you don't have a torque wrench, ask around and someone will help you.

With your helmet, slowly drive your car to the tech inspection line. Remember, when in the pits you must keep speeds down to a walking pace. The car will be quickly inspected on-site. This does not replace your pre-event inspection! On-site tech consists of a quick look around the car to catch any glaring problems. For example, we cannot readily identify worn brake pads, damaged rotors, or old brake fluid with a quick look. This is why pre-event tech is so critical. Your helmet will be inspected to ensure that it is Snell certified SA-2005/M-2005 or better. Cracked or otherwise damaged helmets are unsafe and will not be accepted.

Once your car has passed tech, slowly drive your car to the Sound check area. Track workers will test your car for the amount of noise it makes. They use a calibrated sound Level meter. You will be asked to rev your motor to a specified level. Sound level measurements are taken at the front AND the back of your car.

When your car has passed the sound level checks, slowly drive back to your parking space, and give the car a once-over. Clean all glass (especially the windshield) with a good cleaner. Foaming glass cleaners seem to work best when removing road grime and dead bugs from your windshield. If it's raining, a quick coat of Rain-X is a wise idea. To obtain the best results from the Rain-X or similar product, it should be applied to a dry windshield, allowed to dry and then buffed clear with a soft cloth or paper towels.

Now, leave the car, and proceed back to the registration area for the morning driver's meeting. Relax, listen, and feel free to ask any questions you might have.

## **Paddock Etiquette**

There are many things in life that make where we are and what we are doing more enjoyable. As visitors to this facility we should always put our best foot (feet?) forward. Here are some things we should do in the paddock and in pit lane.

Always drive slowly in the paddock area or down the pit lane.

Keep the paddock area clean. There are waste cans placed around the paddock for waste materials.

If you plan to use a jack and / or safety stands bring some small sheets of plywood to put under the stands and the jack. This will prevent damage to the paved surface.

If you bring fuel to the track there is only one area where it is permissible to fuel your car. Spilled gasoline (even a small amount) will destroy the pavement. The fueling area is gravel. Ask at the track for the location of this fueling area. If you use the area, complete your fueling as efficiently as possible. There may be a line-up to use the area.

Do not try to do an oil or anti-freeze change in the paddock. The risk of spills is too great.

If you spill oil or anti-freeze clean the spill up as quickly as possible. These products are slippery and spills create a safety hazard. They will also attack the pavement.

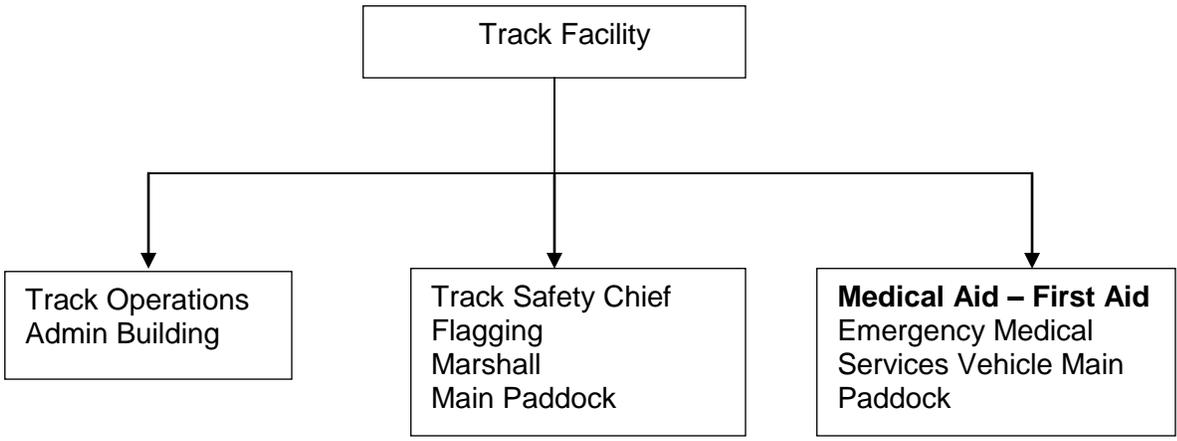
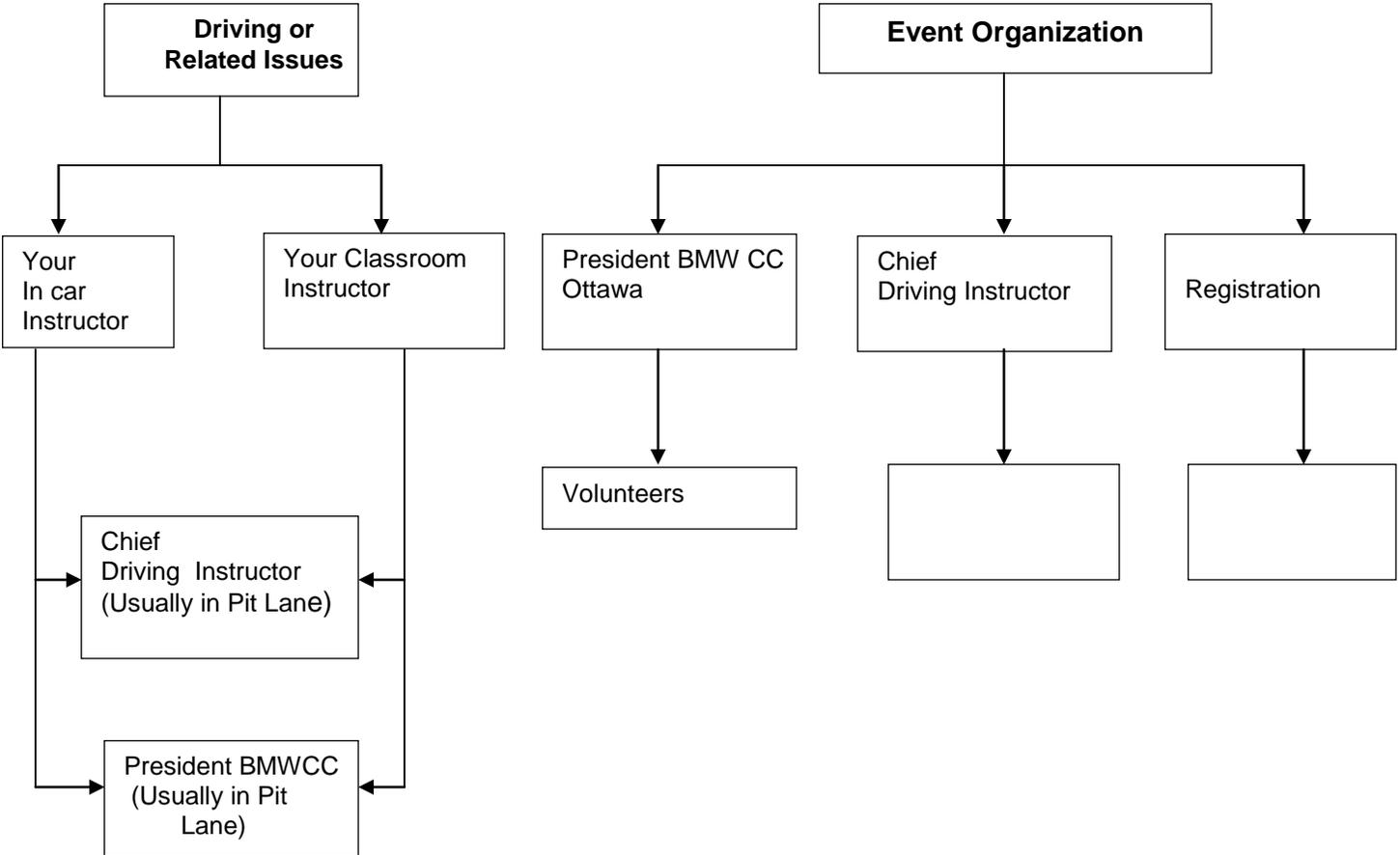
The Pit lane is approximately three lanes wide. The "lane" closest to the pit will normally be used as the staging area for the run groups as they prepare for their driving sessions.

The "center" lane is used to drive through the pits to exit the track.

The "lane" closest to the paddock may or may not have parked vehicles, usually the instructors cars. This lane is generally not for parking.

As noted above drive slowly. 15 km/h (10 mph) should be your self imposed maximum.

**Event Resources**  
Who to see  
Who to ask.



## **Calabogie Amenities**

94 octane gasoline will be available at the track.

91 octane gasoline should be available at the McEwan station on Mill Street in Calabogie.

There are numerous hotels, motels and bed and breakfast establishment in and around Calabogie although the total number in Calabogie itself is quite low. Similar amenities are available in the nearby towns of Arnprior, Perth and Renfrew. Further accommodation is available 60 minutes away in Kanata. Call early to avoid disappointments when booking accommodations.

Calabogie – <http://www.calabogiemotorsports.com/>