

BAJA SAE OREGON 2018

COMPETITOR PACKET

BAJA SAE



OREGON

**BAJA SAE
OREGON**

SAE
INTERNATIONAL

PAGE I

CONTENTS

	EVENT CHAIRMAN'S MESSAGE	III
1	COMMITTEE COORDINATORS	1
2	EVENT SITE INFORMATION	1
	2.1 UNIVERSITY OF PORTLAND INFORMATION	1
	2.2 WASHOUGAL MX PARK INFORMATION	2
	2.3 PHOTOGRAPHY	2
	2.4 FOOD	2
	2.5 SHIPPING	2
	2.6 FUEL	3
	2.7 SPECTATORS	3
	2.8 CAMPING	3
3	OREGON SPECIFIC STATIC EVENT DETAILS	4
	3.1 SALES PRESENTATION FINALS	4
4	OREGON SPECIFIC DYNAMIC EVENT DETAILS	5
	4.1 ACCELERATION	5
	4.2 HILL CLIMB	5
	4.3 MANEUVERABILITY	5
	4.4 ROCK CRAWL	5
5	AWARDS & RECOGNITION BANQUET	6
	APPENDIX A	
	MAPS & DIRECTIONS	
	APPENDIX B	
	LIABILITY WAIVER	

EVENT CHAIRMAN'S MESSAGE

Dear Competitors,

Welcome to the 2018 SAE Baja Oregon Competition! The competition will take place Wednesday through Saturday, May 30th- June 2nd. This is now our 6th time hosting this event, following competitions in 2004, 2006, 2009, 2012, and 2015. Many of us on the Baja SAE Oregon committee have been involved in multiple SAE Oregon events, plus several other SAE events as competitors or volunteers. We are all volunteers and we have been working very hard to make this the best competition yet.

Some key details for the event this year:

- Sales Presentations will be held at the University of Portland on Day 1. If possible, please try to only drive passenger vehicles to UP, do not bring your team truck/trailer. All team truck/trailers are invited to go straight to Washougal MX Park on Wednesday to park. No vehicle work is permitted at UP.
- All other day 1 events, including registration, engine check, and Sales Presentation Finals will be held at Washougal MX Park.
- Days 2, 3, and 4 will take place at Washougal MX Park.
- The four dynamic events will be Acceleration, Maneuverability, Hill Climb, and Rock Crawl. Don't wait until the end of the day to run Rock Crawl! We will have a raffle with amazing prizes for teams who run before 2pm. Bonus tickets to teams who run before noon!
- We have four awesome local food trucks (and a coffee cart!) set up for food purchase Wednesday and Thursday. Lunch will be provided at no charge to competitors on Friday and Saturday.
- We will be offering event T-Shirts for sale at bajaoregonshirt.com. The deadline to place orders is 5/24! Orders will be closed after that time and shirts can be picked up at registration. The only other way to get a shirt with the event logo is to volunteer!

Please note:

- No camping or overnight access is allowed at Washougal MX Park. All-night security will be provided, but please be cautious in locking up your belongings. SAE, the Committee, or Washougal MX Park are not responsible for lost or stolen property.
- There is very little access to potable water onsite at Washougal MX, please plan accordingly. Each team will be given one case of water at registration.
- All delivery and pickup of vehicles must be arranged through a drayage service. See section 2.5.2 for more drayage information.
- All teams will need to exit from Washougal MX Park by 6:00 PM Saturday night after the conclusion of the competition, including all cars being prepped for return shipment.

We are all very excited for some Baja in the Northwest!

Cheers,

Drew Stratton
Chairman
Baja SAE Oregon 2018

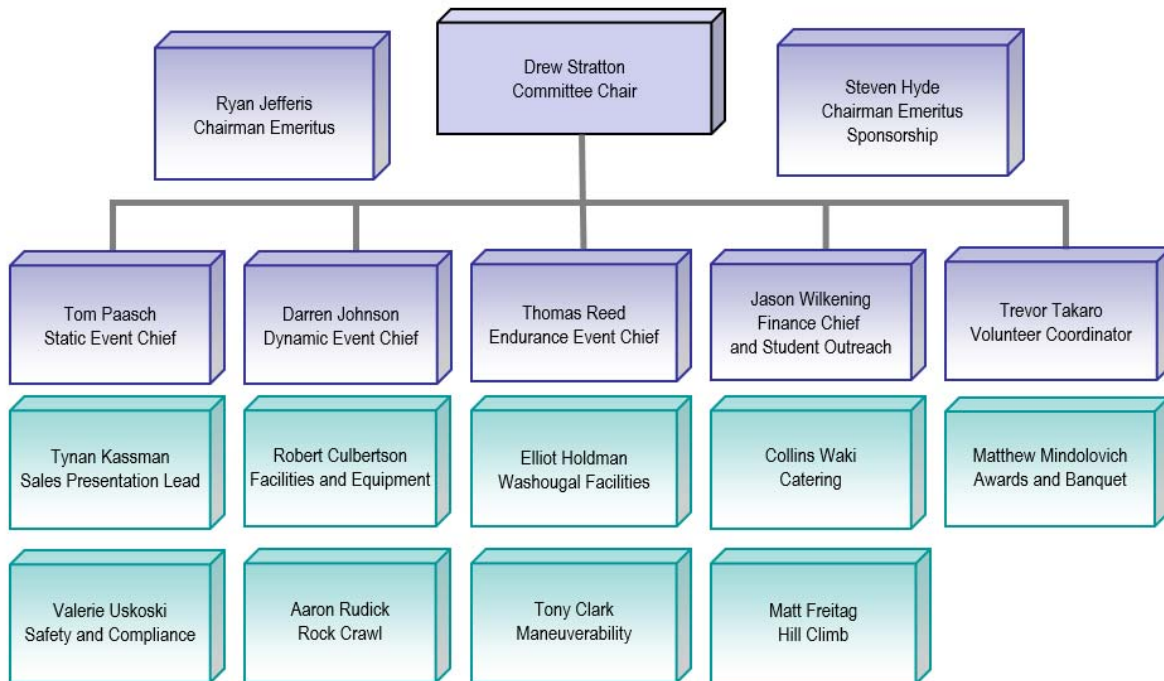
**BAJA SAE
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1 COMMITTEE COORDINATORS

The SAE Baja Oregon Committee is made up of volunteers. These professionals have dedicated countless hours to making this a successful event.

BAJA SAE OREGON 2018 Organization Chart



2 EVENT SITE INFORMATION

The 2018 Baja SAE Oregon competition will be held May 30-June 2 in Portland, Oregon.

2.1 University of Portland Information

The University of Portland has graciously offered to host the Sales Presentations on their beautiful campus. A campus map and parking pass are provided in Appendix A.

2.2 Washougal MX Park Information

Maps and directions for Washougal are provided in Appendix A. Please use the east entrance/exit. Gates at all other entrances will be locked.

2.2.1 Liability Waiver

For entrance to Washougal MX Park, all team members and advisors must fill out and sign a liability waiver. To expedite this process, the liability form is provided in Appendix B and as part of the registration process on Day 1. Once the form is filled out, please print it out, and make sure every name has a valid signature.

The liability form accepts up to 16 names on it. If your team is larger than 16 members, please fill out additional forms. To speed up entry into Washougal MX Park, the liability waiver form must be turned into SAE Staff when your team registers on Day 1.

2.3 Photography

We will be taking photos of each team immediately after each design presentation. These images will be featured in a slide show during the awards banquet and available free-of-charge to the teams after the event. Don't miss it!

2.4 Food

Teams should plan ahead for food and water needs on Days 1, 2, 3, and 4 as Washougal MX Park is a considerable distance from the city. To help feed our competitors, four Food Trucks will be on site for Day 1 and 2. Honda R&D Americas is graciously sponsoring lunch on Day 3 for competitors. The competitor's banquet will be held after the endurance event on Day 4 at Washougal MX Park. All team members will receive a ticket for a fully catered BBQ lunch.

Potable water is very limited at Washougal MX Park. Teams will be provided with one case of water at registration, but please plan for your own requirements.

2.5 Shipping

2.5.1 Shipped Engines

If your team elected to have your engines shipped direct to Portland, they will be available at Washougal MX Park on Wednesday, May 30th. Enquire at Registration.

2.5.2 International Drayage/ Local Shipping

For teams that are shipping their cars to Portland, please use Airport Drayage Co. Inc. and their partner Western Overseas. They will take care of receiving and delivering your vehicles to a desired pickup location. Many teams may choose to pick up their car at the drayage company. If you cannot transport your own vehicle and need vehicle

transportation assistance while at the competition, please contact Airport Drayage directly.

The physical address for receiving is:

Airport Drayage Co., Inc.
6331 NE 112th Ave
Portland, OR 97220

Airport Drayage Dispatch Contact info:
503-253-3859
dispatch@adcdispach.com

Western Overseas is an additional resource to handle teams shipping cars. They can provide assistance/guidance with brokerage/drayage on the international shipments.

Western Overseas Contact info:
Les Wills - Air Export Manager
503-715-3366
lesw@westernoverseas.com
Western Overseas Corporation
6337 N.E. 112th Avenue
Portland, Oregon 97220

2.6 Fuel

Since Washougal MX Park is approximately 9 miles from the city of Washougal, WA and the closest gas station, your team should plan to bring plenty of fuel.

2.7 Spectators

Spectators are encouraged to attend all events during the 2018 Baja SAE Oregon event. Spectators will be allowed to watch each event from pre-defined viewing locations.

All spectators will need to register (for free) and sign the Washougal MX Park liability waiver (Appendix B).

2.8 Camping

No camping or overnight paddock access will be available. Please plan accordingly with your lodging plans and vehicle work needs.

3 OREGON SPECIFIC STATIC EVENT DETAILS

3.1 Sales Presentation Finals

Returning for 2018, Baja SAE Oregon will host Sales Presentation Finals during the competition. The intent of this activity is to provide the top three finalists with objective final scoring, as well as encourage creativity among the remaining competitors.

Judges will evaluate all presentations given throughout the day and decide on the top three teams. The selected teams will be notified and report to the main tent at Washougal MX Park at the specified time [est. 5:30pm]. Each team will then give their presentation again in front of a new panel of judges and there will be no question-answer session.

Sales Presentation Finals will be a public event – everyone is encouraged to attend. Attendees will be requested to respect the finalists' presentations: no talking, cell phone usage, or recording devices will be permitted during the presentations unless approved by the finalists.

3.1.1 Scoring

The top three teams will automatically receive a score of 50 points for participating in the finals. Up to an additional five points can be awarded per team based on their performance and will be determined by the judges panel.

The remaining teams will be scored based on the following:

$$\text{PRESENTATION SCORE} = 49 \times (P_{\text{your}}/P_{\text{max}})$$

Where:

“P_{your}” is the score awarded to your team

“P_{max}” is the highest score awarded to any team not participating in finals

4 OREGON SPECIFIC DYNAMIC EVENT DETAILS

The four dynamic events will be Acceleration, Hill Climb, Manuverability, and Rock Crawl.

4.1 Acceleration

Each vehicle may make two (2) runs with the best time counting for score. Vehicles will be timed from a stopped position at the start of the course to the end of the course using optical timing equipment.

4.2 Hill Climb

Each vehicle may make two (2) runs with the best time including penalties, counting for score. Vehicles will be timed from a stopped position at the start of the course to the end of the course using optical timing equipment. Vehicles that do not complete the hill climb course will be measured where the vehicle stops forward progress. Teams will be allowed to walk through the course prior to the event.

4.3 Maneuverability

Each vehicle may make two (2) runs with the best time including penalties, counting for score. Vehicles will be timed from a stopped position at the start of the course to the end of the course using optical timing equipment. Teams will be allowed to walk through the course prior to the event.

4.4 Rock Crawl

Each vehicle may make two (2) runs with the best time including penalties, counting for score. Vehicles will be timed from a stopped position at the start of the course to the end of the course using optical timing equipment. Vehicles that do not complete the rock crawl will be measured where the vehicle stops forward progress. Teams will be allowed to walk through the course prior to the event.

Reversing is allowed without penalty.

A spotter may be used to guide the driver though the course, but cannot touch the car or move any rocks/obstacle on the course.

4.4.1 Stopped Vehicles

Vehicles are declared stopped and their distance is measured for score if:

- Vehicle is stuck/stopped in place for 10 or more seconds
- If the vehicle leaves the course or all four tires miss a gate

- Vehicle will be considered stopped at point of roll over
- Any external assistance

4.4.2 Penalties

Penalties will be assessed at the following rates:

Infraction	Penalty
Obstacle/Pylon moved	-5 seconds or 5 feet
Missed Gate (two tires outside the gate)	-10 seconds or 10 feet
First False Start	Rerun at the end of the line
Second False Start	Run DNS

4.4.3 Scoring

Scoring for the rock crawl event will be implemented as outlined below.

If any team finishes the course the scoring is as follows:

Group 1 – Completed course

Score = $75 \times (T_{\text{fastest}} / T_{\text{yours}})$

Group 2 – Failed to complete course

Score = $(\text{Lowest score from Group 1}) \times (\text{Distance traveled} / \text{Total course distance})$

If no competitors complete the course:

Score = $75 \times [(D_{\text{your}} - D_{\text{short}}) / (D_{\text{longest}} - D_{\text{shortest}})]$

5 AWARDS & RECOGNITION BANQUET

All teams are encouraged to attend the banquet in congratulations for successfully attending the Baja SAE Oregon competition. There will be a BBQ dinner, slide show presentation of pictures taken throughout the event, and a raffle!

APPENDIX A

MAPS & DIRECTIONS

University of Portland (Day 1 Sales Presentations Only) Directions

The university address is: 5000 N Willamette Blvd, Portland, OR 97203

Going down N. Willamette Boulevard you will make a hard right hand turn, then take the first left turn (you will see a large entry with two University of Portland signs. You will pass the soccer complex on your right then come to a stop sign. Take the right into the parking lot. You will see SAE signs for Franz Hall on the south side of the parking lot, directing you to the front of the building.

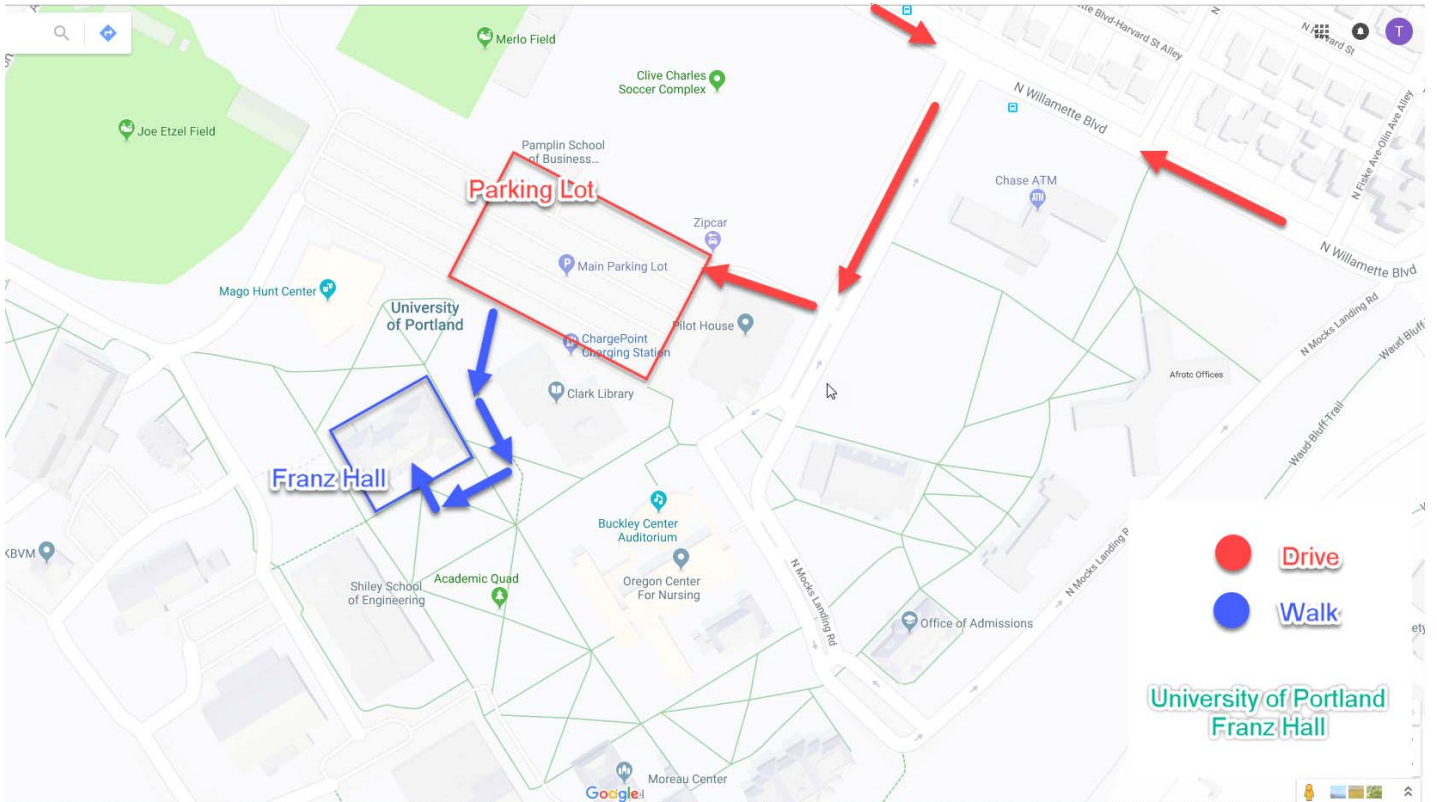


Figure A1: University of Portland Event Location

University of Portland Guest Parking Permit

Activation Date: May 30, 2018

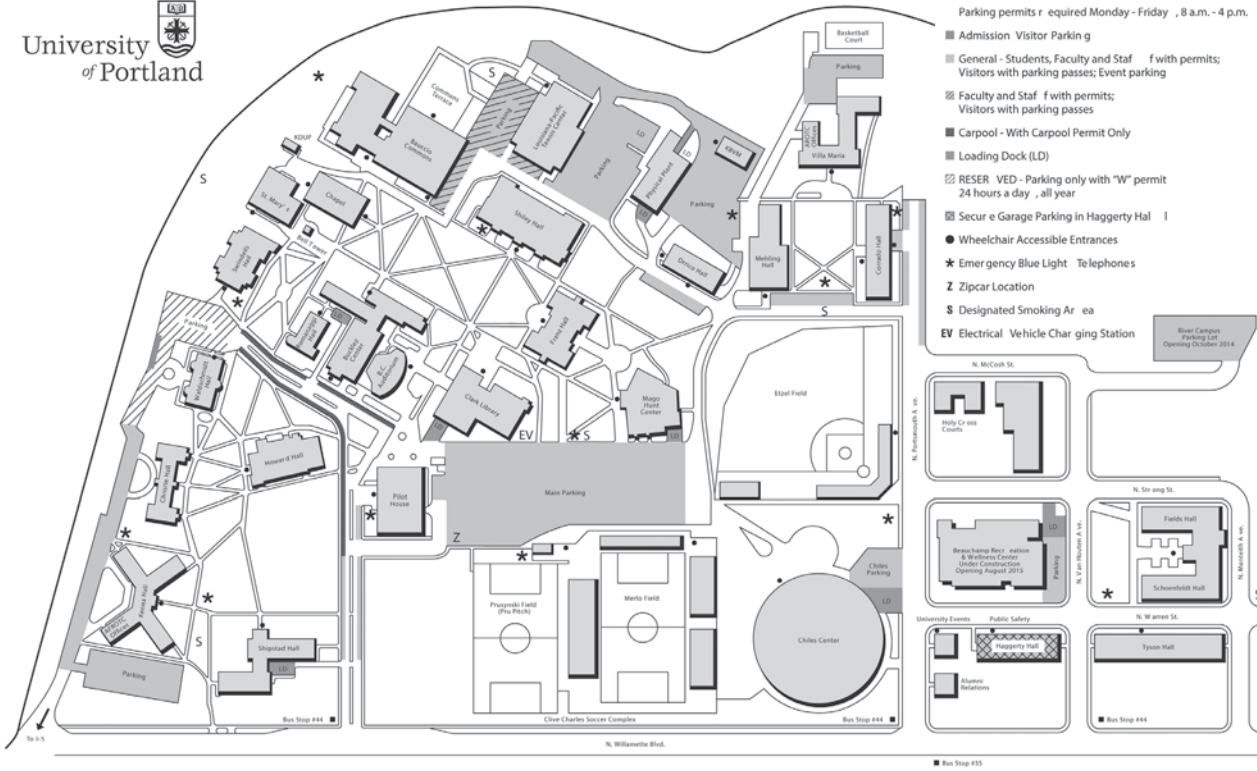
Requesting Department: Events

Transaction Date: 04/11/2018

- Permits are required between 8AM and 4PM, Monday through Friday.
- Permits must be placed face-up on the dashboard of vehicle.
- Permit must be visible from outside the vehicle.
- Permit is only valid for one vehicle for the date(s) listed.
- Permit-holder must comply with University Parking regulations (see Parking and Traffic Regulations on up.edu/publicsafety).
- Permit not valid for parking on any painted curbs, reserved spaces, or in any parking lot designated as reserved.
- Please print permit on white paper and without altering size.

Illegal to duplicate or modify

Duplication or modification of guest parking permits may result in fines.



CAMPUS MAP

Alumni Relations
 Baucio Commons - student-faculty dining hall; Bon Appétit; Teske Room; Board Room, Terrace Room
 Beauchamp Recreation and Wellness Center - Opening August 2015
 Bell Tower
 Buckley Center - College of Arts and Sciences; Franz Center for Leadership, Entrepreneurship and Innovation; School of Nursing; Shepard Freshman Resource Center; residence life; classrooms
 Chapel of Christ the Teacher
 Chiles Center - athletic and convocation center; athletic office
 Christie Hall - men's residence; international student services

Clark Library
 Clive Charles Soccer Complex - Merlo Field; Rev. Chester Prusynski, C.S.C. Field (Pru Pitch); practice fields
 Corrado Hall - men's and women's residence
 Etzel Field - baseball field; Andy Pienovi hitting facility
 Fields Hall - women's residence
 Franz Hall - Pamplin School of Business Administration; School of Education; Garaventa Center; classrooms; computer labs; Learning Resource Center; Help Desk
 Haggerty Hall - Men's and women's residence; Anchor lounge; public safety
 Holy Cross Court - priests' residence
 Howard Hall - recreation center; swimming pool

KBVM - Catholic radio station
KDUP - campus radio station
Kenna Hall - women's residence; Air Force ROTC
Louisiana-Pacific Tennis Center
Mago Hunt Center - theater and recital hall
Mehling Hall - women's residence; Blair theater
Orrico Hall - career services; health center
Physical Plan t
Pilot House - bookstore; The Cove; campus ministry outreach; campus information center; student lounge
Public Safety
Romanaggi Hall - classrooms; laboratories
Schoenfeldt Hall - men's residence

Shiley Hall - Shiley School of Engineering; classrooms
Shipstad Hall - men's and women's residence; archives; museum
St. Mary's Student Center - campus ministry; ASUP; The Beacon; The Log; student activities; Moreau Center
Swindells Hall - classrooms; laboratories
Tyson Hall - men's and women's residence; information services; mail center; printing services
University Events
Villa Maria Hall - men's residence; Army ROTC
Waldschmidt Hall - admissions, cashier; controller; development; executive officers; financial aid; Graduate School; human resources; marketing; registrar; student accounts

MAP C 01-28-15

Washougal MX Park Directions

The Washougal MX Park is located just north of Washougal, Washington at 40205 NE Borin Rd.

Washougal is approximately 20 miles East of Portland on Highway 14. HW 14 is accessible from either I-5 or I-205 coming from Oregon. All vehicles should use SE 412th/Alder for easier access.

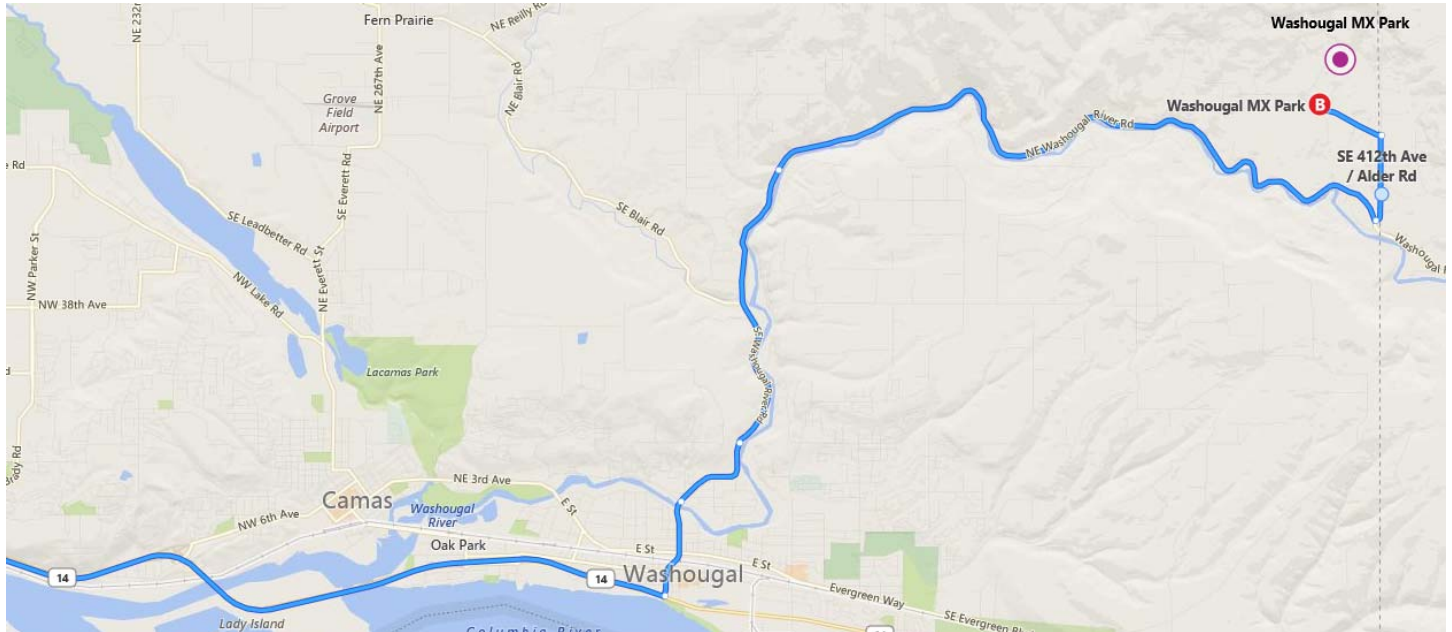


Figure A2: Washougal MX Park Location

All vehicles must use the east entrance for direct access to the site.

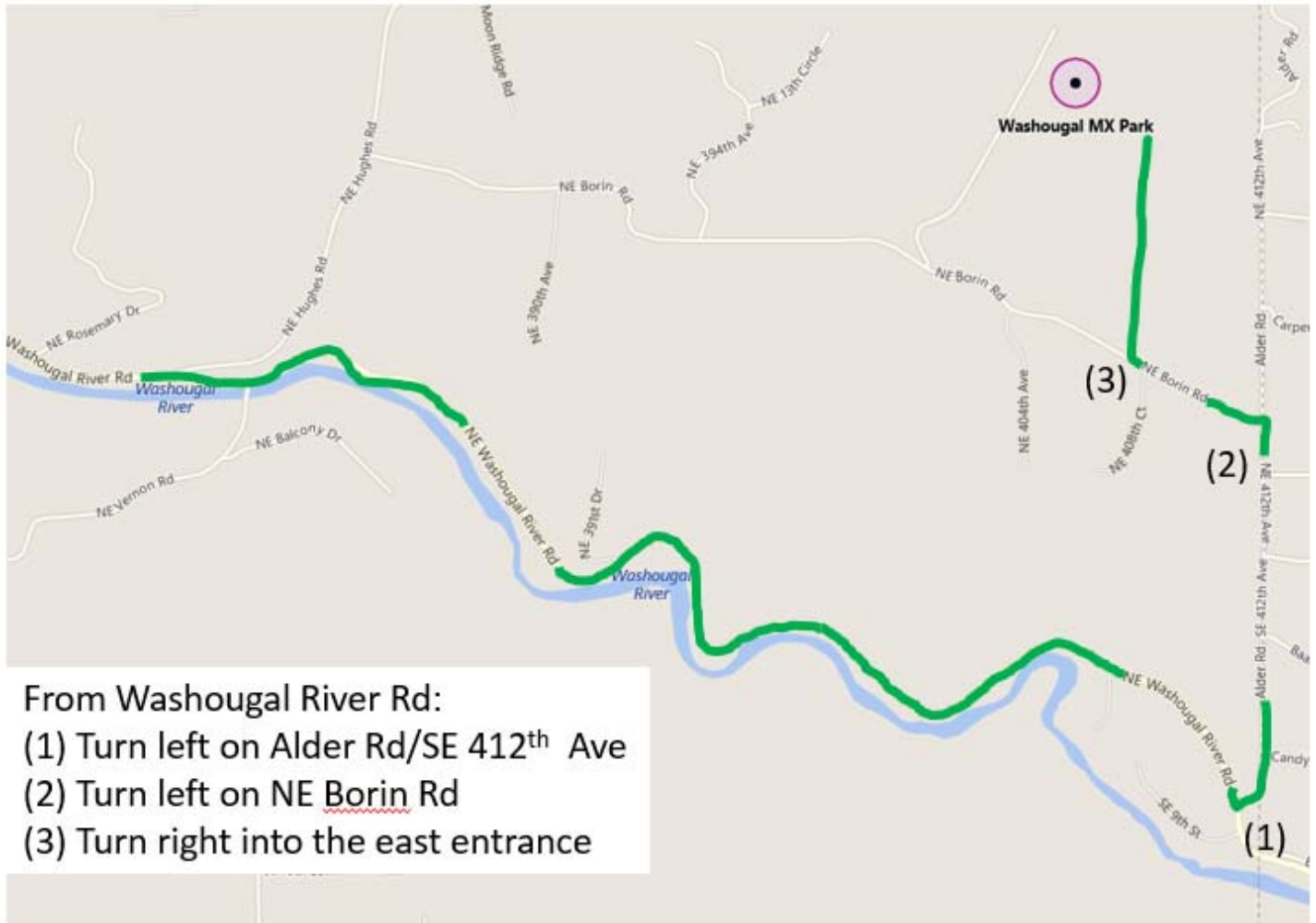


Figure A3: Washougal MX Park Access

APPENDIX B

LIABILITY WAIVER

RELEASE AND WAIVER OF LIABILITY AND INDEMNITY AGREEMENT

DESCRIPTION AND LOCATION OF EVENT

DATE RELEASE SIGNED

IN CONSIDERATION of being permitted to enter for any purpose any RESTRICTED AREA (herein defined as including but not limited to the racing surface, pit areas, infield, burn out area, approach area, shut down area, and all walkways, concessions and other areas appurtenant to any area where any activity related to the event shall take place), or being permitted to compete, officiate, observe, work for, or for any purpose participate in any way in the event, EACH OF THE UNDERSIGNED, for himself, his personal representatives, heirs, and next of kin, acknowledges, agrees and represents that he has, or will immediately upon entering any of such restricted areas, and will continuously thereafter, inspect such restricted areas and all portions thereof which he enters and with which he comes in contact, and he does further warrant that his entry upon such restricted area or areas and his participation, if any, in the event constitutes an acknowledgement that he has inspected such restricted area and that he finds and accepts the same as being safe and reasonably suited for the purposes of his use, and he further agrees and warrants that if, at any time, he is in or about restricted areas and he feels anything to be unsafe, he will immediately advise the officials of such and will leave the restricted areas:

1. HEREBY RELEASES, WAIVES, DISCHARGES AND COVENANTS NOT TO SUE THE PROMOTORS, PARTICIPANTS, RACING ASSOCIATION, SANCTIONING ORGANIZATION OR ANY SUBDIVISION THEREOF, TRACK OPERATOR, TRACK OWNER, OFFICIALS, VEHICLE OWNERS, DRIVERS, PIT CREWS, ANY PERSONS IN ANY RESTRICTED AREA, SPONSORS, ADVERTISERS, OWNERS AND LESSEES OF PREMISES USED TO CONDUCT THE EVENT(S), PREMISES OR EVENT INSPECTORS, SURVEYORS, INSURERS, UNDERWRITERS, CONSULTANTS OR OTHER PERSONS OR ENTITIES WHO GIVE RECOMMENDATIONS, DIRECTIONS, OR INSTRUCTIONS OR ENGAGE IN RISK EVALUATION OR LOSS CONTROL ACTIVITIES REGARDING THE PREMISES OR EVENT(S), THEIR PARENTS, SUBSIDIARIES, WHOLESALERS, AFFILIATED CORPORATIONS, AND EACH OF THEM, AND THE DIRECTORS, OFFICERS, AGENTS AND EMPLOYERS, OF EACH OF THEM, ALL FOR THE PURPOSES HEREIN REFERRED TO AS THE "RELEASEES", FROM ALL LIABILITY to the undersigned, his/her personal representatives, assigns, heirs, and next of kin for any and all loss or damage, and any claim or demands therefore on account of injury to the person or property or resulting in death of the undersigned, whether caused by the negligence of the "RELEASEES" or otherwise while the undersigned is in or upon the restricted area, and/or competing, officiating in, observing, working for, or for any purposes participating in the EVENT(S).

2. HEREBY AGREES TO INDEMNIFY AND SAVE AND HOLD HARMLESS THE "RELEASEES" and their insurance carriers and each of them from any loss, liability, damage, or cost they may incur due to the presence of the undersigned in or upon the restricted area or in any way competing, officiating, observing, or working for, or for any purpose participating at any time in the EVENT(S) and whether caused by the negligence of the "RELEASEES" or otherwise.

3. HEREBY ASSUMES FULL RESPONSIBILITY FOR ANY RISK OF BODILY INJURY, DEATH OR PROPERTY DAMAGE DUE TO THE NEGLIGENCE OF "RELEASEES" OR OTHERWISE while in or upon the restricted areas and/or while competing, officiating, observing, or working for, or for any purpose participating in the EVENT(S).

Each of THE UNDERSIGNED also expressly acknowledges that INJURIES RECEIVED MAY BE COMPOUNDED OR INCREASED BY NEGLIGENT RESCUE OPERATIONS OR PROCEDURES OF THE "RELEASEES". EACH OF THE UNDERSIGNED expressly acknowledges and agrees that the activities of the event are very dangerous and involve the risk of serious injury and/or death and/or property damage. EACH OF THE UNDERSIGNED further expressly agrees that the foregoing release, waiver, and indemnity agreement is intended to be as broad and inclusive as is permitted by the law of the Province or State in which the event is conducted and that if any portion thereof is held invalid, it is agreed that the balance shall, notwithstanding, continue in full legal force and effect.

THE UNDERSIGNED HAS READ AND VOLUNTARILY SIGNS THE RELEASE AND WAIVER OF LIABILITY AND INDEMNITY AGREEMENT, and further agrees that no oral representations, statements or inducements apart from the foregoing written agreement have been made.

PRINT NAME HERE

SIGN NAME HERE

PRINT NAME HERE

SIGN NAME HERE

I HAVE READ THIS RELEASE

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SIGNATURE & TITLE OF WITNESS

DATE RELEASE SIGNED

LOCATION OF EVENT