



Charles D. Baker, Governor
Karyn E. Polito, Lieutenant Governor
Stephanie Pollack, MassDOT Secretary & CEO



May 5, 2021

Sean Harrington
Optimus Ride Inc.
88 Black Falcon Ave
Ste. 188
Boston, MA 02210

Dear Mr. Harrington –

This letter serves as the Massachusetts Department of Transportation's (MassDOT) approval of Optimus Ride's Application to Test Automated Driving Systems on Public Ways in Massachusetts, including the submitted Operational Design Domain and Testing Plan. Should Optimus Ride find a need to deviate from or expand upon the Operational Design Domain or Testing Plan, we expect revised documentation to be submitted.

This approval is effective from January 31, 2020 through January 31, 2022.

The following **test drivers** are approved to operate Optimus Ride's vehicles:

- | | | |
|-----------------------|-------------------------|---------------------------|
| 1. Akhil Shah | 14. Elizabeth Slade | 27. Michaela Mann |
| 2. Alessandro Mendola | 15. Gregory Zborowski | 28. Nuno Almeida |
| 3. Antonio Rufo | 16. James Hayes | 29. Patrick Rene Barragan |
| 4. Arjun Mody | 17. Jeffrey Pflueger | 30. Ryan Connolly |
| 5. Astha Kukreja | 18. Jeremy Cushman | 31. Sam Saffar |
| 6. Bouke Edskes | 19. John Sgueglia | 32. Shawn Dorant |
| 7. Charles Richter | 20. Johnson Lor | 33. Steve Yu |
| 8. Danaan Metge | 21. Jose Amado | 34. Thomas Arnot |
| 9. Daniel Bordenave | 22. Joshua Cabral | 35. Thomas Asson |
| 10. Daniel Cuomo | 23. Karthik Vijayakumar | 36. Thomas Morrissey |
| 11. Daniel Desai | 24. Maxwell Pellerin | 37. William Edward |
| 12. David Brown | 25. Michael Nickelson | Warner |
| 13. Deonte Flounory | 26. Michael Romanko | |

The following **test vehicles** are permitted for Optimus Ride's use:

- | | |
|---------------------------------------|---------------------------------------|
| 1. 2019 Polaris GEM E6: VIN ****0116 | 12. 2017 Polaris GEM E4: VIN ****5665 |
| 2. 2019 Polaris GEM E6: VIN ****0118 | 13. 2017 Polaris GEM E4: VIN ****6270 |
| 3. 2019 Polaris GEM E6: VIN ****0120 | 14. 2017 Polaris GEM E4: VIN ****6272 |
| 4. 2019 Polaris GEM E6: VIN ****0274 | 15. 2018 Polaris GEM E4: VIN ****7258 |
| 5. 2019 Polaris GEM E6: VIN ****0276 | 16. 2018 Polaris GEM E4: VIN ****7264 |
| 6. 2019 Polaris GEM E6: VIN ****0646 | 17. 2018 Polaris GEM E4: VIN ****7279 |
| 7. 2019 Polaris GEM E6: VIN ****0647 | 18. 2018 Polaris GEM E6: VIN ****7304 |
| 8. 2019 Polaris GEM E6: VIN ****0648 | 19. 2018 Polaris GEM E4: VIN ****7330 |
| 9. 2019 Polaris GEM E6: VIN ****0649 | 20. 2018 Polaris GEM E4: VIN ****7333 |
| 10. 2016 Polaris GEM E4: VIN ****3952 | 21. 2018 Polaris GEM E4: VIN ****7335 |
| 11. 2016 Polaris GEM E6: VIN ****5158 | 22. 2018 Polaris GEM E4: VIN ****7341 |

23.2018 Polaris GEM E6: VIN ****7359
24.2018 Polaris GEM E6: VIN ****7363
25.2018 Polaris GEM E4: VIN ****8067
26.2018 Polaris GEM E6: VIN ****8068
27.2018 Polaris GEM E4: VIN ****8069
28.2018 Polaris GEM E6: VIN ****8070
29.2018 Polaris GEM E4: VIN ****8071
30.2018 Polaris GEM E6: VIN ****8072
31.2018 Polaris GEM E4: VIN ****8073
32.2018 Polaris GEM E6: VIN ****8074

33.2018 Polaris GEM E4: VIN ****8932
34.2019 Polaris GEM E4: VIN ****8933
35.2018 Polaris GEM E4: VIN ****8949
36.2018 Polaris GEM E6: VIN ****8950
37.2018 Polaris GEM E4: VIN ****8951
38.2018 Polaris GEM E4: VIN ****9009
39.2019 Polaris GEM E6: VIN ****9965
40.2019 Polaris GEM E6: VIN ****9966
41.2018 Polaris GEM E6: VIN ****9967
42.2020 Chrysler Pacifica: VIN ****1606

The aforementioned test drivers may test the permitted vehicles in the following jurisdictions:

1. **In the Raymond L Flynn Marine Industrial Park Bounded Test Area**
Drydock Ave; Black Falcon Ave; Harbor Street; Channel Street; Design Center Place; 6th Street; Tide Street; Fid Kennedy Ave; Northern Ave (from Massport Haul Road to Tide Street); Ballard Way; Seafood Way (from Northern Ave to Fid Kennedy Ave)
 - a. Pilot service tests are permitted
2. **In the South Boston Waterfront Bounded Test Area**
Dorchester Ave. (from Summer Street to Congress Street); Congress St. (Dorchester Ave. to East Service Road); Summer Street (from Dorchester Ave to Pappas Way); West First Street; E Street (North from West First Street); D Street (North from West First Street); Fargo Street; Cypher Street; B Street (from West First St. to West Second St.); A Street (from West 2nd Street to Congress Street); Melcher Street; Boston Wharf Road; West Service Road Extension (Congress Street to South Boston Bypass); South Boston Bypass (West Service Rd Ext. to Richards St/Cypher St.); Richards St (A Street to South Boston Bypass); Seaport Boulevard (D Street to Sleeper Street); Sleeper Street; Stillings Street; Farnsworth Street; East Service Road
 - a. Pilot service tests are *not* permitted

Testing on roadways in the aforementioned jurisdictions may be conducted within the following **operational design domains**:

1. Time of Day
 - a. Any (daytime and nighttime hours)
2. Environmental Conditions
 - a. Clear and fair weather
 - b. Light rain and fog less than 5 mm/hr rate of rain and fog with limited impact on visibility
 - c. Moderate Rain and Fog: less than 10 mm/hr rate of rain and fog with limited to moderate impact on visibility
 - d. Light Snow: less than or equal to 10 mm/hr rate of unmelted snowfall, and visibility of at least 1 km

- e. Moderate Snow: greater than 10 mm/hr and less than or equal to 25 mm/hr rate of unmelted snowfall, and visibility of at least ½ km
- 3. Road Typologies and Speeds
 - a. Local Roads, Collectors
 - b. Multimodal (mixed traffic)
 - c. Multiple Lanes
 - d. 25 mph maximum posted speeds
- 4. Situational Constraints
 - a. Construction, active work and school zones (no traffic officers or areas with temporary signals)

Please keep this Letter of Approval inside each vehicle at all times.

We appreciate your commitment to working in collaboration with the City of Boston, Massport, the Union Point stakeholders, and MassDOT to conduct safe and effective testing of autonomous vehicles, and we look forward to continued collaboration.