

Table C: List of Selected Scenarios for Safety Testing of ADS using *ODD1* and *D2 - O₁₂*

| Sr. # | Groups | Scenario Name | Identifier | Score | Priority |
|-------|------------------------|----------------------------------------------------------------------|------------|-------|----------|
| G8 | Cyclist Interaction | Ego vehicle approaching cyclist riding in same direction | S_{48} | 19 | 1 |
| | | Ego vehicle driving alongside a cyclist | S_{49} | 19 | 1 |
| | | Cyclist and ego vehicle driving in opposite direction | S_{50} | 19 | 1 |
| | | Cyclist crossing from left side at signalized junction | S_{46} | 18 | 2 |
| | | Cyclist crossing from right side at signalized junction | S_{47} | 18 | 2 |
| | | Cyclist turning left and ends up in lane of ego vehicle | S_{56} | 18 | 2 |
| | | Cyclist turning right and ends up in lane of ego vehicle | S_{57} | 18 | 2 |
| | | Cyclist at left turn at signalized junction | S_{51} | 17 | 3 |
| | | Cyclist driving in same direction obstructed at ego left turn | S_{52} | 17 | 3 |
| | | Entering a roundabout with a cyclist Interaction | S_{54} | 16 | 4 |
| | | Leaving a roundabout with a cyclist | S_{55} | 16 | 4 |
| | | Cyclist at right turn at signalized junction | S_{53} | 14 | 5 |
| G5 | Crossing Path | Oncoming vehicle turns right at signalized junction | S_{25} | 21 | 6 |
| | | Sirens | S_{29} | 21 | 6 |
| | | Left Turn Clip | S_{30} | 20 | 7 |
| | | Wrong Driveway | S_{31} | 20 | 7 |
| | | Run Red Into Left Turner | S_{33} | 20 | 7 |
| | | Misjudgment, Left Turn | S_{34} | 20 | 7 |
| | | Entering a roundabout with another vehicle | S_{28} | 19 | 8 |
| | | Ego vehicle turns right with oncoming vehicle at signalized junction | S_{26} | 17 | 9 |
| | | Navigating on an empty roundabout | S_{27} | 14 | 10 |
| | | Wave to Go | S_{32} | 14 | 10 |
| G7 | Pedestrian Interaction | Jaywalking | S_{36} | 21 | 11 |
| | | Pedestrian crossing at zebra crossing | S_{37} | 21 | 11 |
| | | Pedestrian running a red light | S_{41} | 20 | 12 |
| | | Struck Human | S_{45} | 20 | 12 |
| | | Pedestrian stationary at road side | S_{39} | 19 | 13 |
| | | Pedestrian walking along the road | S_{40} | 19 | 13 |
| | | Pedestrian at left turn at signalized junction | S_{42} | 19 | 13 |
| | | Pedestrian in same direction obstructed at ego left turn | S_{43} | 19 | 13 |
| | | Zebra crossing | S_{38} | 18 | 14 |
| | | Pedestrian at right turn at signalized junction | S_{44} | 16 | 15 |
| G3 | Opposite Direction | Oncoming vehicle swerving into ego vehicle's lane | S_{64} | 22 | 16 |
| | | Oncoming vehicle | S_{65} | 22 | 16 |
| G3 | Following Lead Vehicle | Ego vehicle approaching slower lead vehicle | S_{17} | 21 | 17 |
| | | Turning lead vehicle | S_{18} | 20 | 18 |
| | | Inattentive, Rear | S_{19} | 14 | 19 |
| | | Stutter Stop | S_{20} | 14 | 19 |
| G2 | Lane Change | Cut-in in front of the ego vehicle | S_4 | 22 | 20 |
| | | Cut-out in front of the ego vehicle | S_7 | 22 | 20 |
| | | Vehicle swerving towards ego vehicle | S_8 | 22 | 20 |
| | | Vehicle backing up into the ego vehicle | S_9 | 22 | 20 |
| | | Impassable object on intended path | S_{10} | 22 | 20 |
| | | Object road with incoming traffic | S_{12} | 22 | 20 |
| | | Driving straight | S_{13} | 22 | 20 |
| | | U-Turn | S_{16} | 22 | 20 |
| | | Ego performing lane change with the vehicle behind | S_5 | 19 | 21 |
| | | Ego merging into an occupied lane | S_6 | 19 | 21 |
| | | Passable object on intended path | S_{11} | 19 | 21 |
| | | Avoidance, Rear | S_{14} | 19 | 21 |
| | | Lane Change, Rear. | S_{15} | 19 | 21 |
| | | Back Into Object | S_{61} | 17 | 22 |
| G10 | Reversing | Back into Roadway | S_{62} | 17 | 22 |
| | | Back Track | S_{63} | 17 | 22 |