

Table E: List of Selected Scenarios for Safety Testing of ADS using *ODD2* and *D2 - O<sub>22</sub>*

Sr. #	Groups	Scenario Name	Identifier	Score	Priority
G8	Cyclist Interaction	Cyclist crossing from left side at signalized junction	<i>S</i> <sub>46</sub>	16	1
		Cyclist crossing from right side at signalized junction	<i>S</i> <sub>47</sub>	16	1
		Ego vehicle approaching cyclist riding in same direction	<i>S</i> <sub>48</sub>	16	1
		Ego vehicle driving alongside a cyclist	<i>S</i> <sub>49</sub>	16	1
		Cyclist and ego vehicle driving in opposite direction	<i>S</i> <sub>50</sub>	16	1
		Cyclist turning left and ends up in lane of ego vehicle	<i>S</i> <sub>56</sub>	16	1
		Cyclist turning right and ends up in lane of ego vehicle	<i>S</i> <sub>57</sub>	16	1
		Cyclist at left turn at signalized junction	<i>S</i> <sub>51</sub>	15	2
		Cyclist driving in same direction obstructed at ego left turn	<i>S</i> <sub>52</sub>	15	2
G5	Crossing Path	Cyclist at right turn at signalized junction	<i>S</i> <sub>53</sub>	12	3
		Oncoming vehicle turns right at signalized junction	<i>S</i> <sub>25</sub>	19	4
		Sirens	<i>S</i> <sub>29</sub>	19	4
		Left Turn Clip	<i>S</i> <sub>30</sub>	18	5
		Wrong Driveway	<i>S</i> <sub>31</sub>	18	5
		Run Red Into Left Turner	<i>S</i> <sub>33</sub>	18	5
		Misjudgment, Left Turn	<i>S</i> <sub>34</sub>	18	5
		Ego vehicle turns right with oncoming vehicle at signalized junction	<i>S</i> <sub>26</sub>	15	6
		Wave to Go	<i>S</i> <sub>32</sub>	12	7
G7	Pedestrian Interaction	Jaywalking	<i>S</i> <sub>36</sub>	18	8
		Pedestrian crossing at zebra crossing	<i>S</i> <sub>37</sub>	18	8
		Pedestrian running a red light	<i>S</i> <sub>41</sub>	18	8
		Struck Human	<i>S</i> <sub>45</sub>	18	8
		Pedestrian at left turn at signalized junction	<i>S</i> <sub>42</sub>	17	9
		Pedestrian in same direction obstructed at ego left turn	<i>S</i> <sub>43</sub>	17	9
		Pedestrian stationary at road side	<i>S</i> <sub>39</sub>	16	10
		Pedestrian walking along the road	<i>S</i> <sub>40</sub>	16	10
		Zebra crossing	<i>S</i> <sub>38</sub>	15	11
G3	Opposite Direction	Pedestrian at right turn at signalized junction	<i>S</i> <sub>44</sub>	14	12
		Oncoming vehicle swerving into ego vehicle's lane	<i>S</i> <sub>64</sub>	19	13
		Oncoming vehicle	<i>S</i> <sub>65</sub>	19	13
G3	Following Lead Vehicle	Ego vehicle approaching slower lead vehicle	<i>S</i> <sub>17</sub>	19	14
		Turning lead vehicle	<i>S</i> <sub>18</sub>	18	15
		Stutter Stop	<i>S</i> <sub>20</sub>	12	16