Semantic-Drive "Scenario DNA"

1. ODD & Physics

- Weather (Rain/Fog)
- Time of Day
- Lighting (Glare)
- Surface Friction
- **Sensor Integrity (Droplets/Flare)**

2. Map Topology

- Scene Type
- Lane Config
- Traffic Controls
- **Map Divergence (*Drivable Area Status*)**

3. Agent Dynamics

- VRU Status
- Lead Vehicle
- Adjacent Vehicle
- **Intent/Behavior (*Hesitant/Aggressive*)**

4. Causal Logic

- Primary Challenge
- Blocking Factor
- **Ego-Action (*Nudge/Yield/Stop*)**

Risk: 0-10