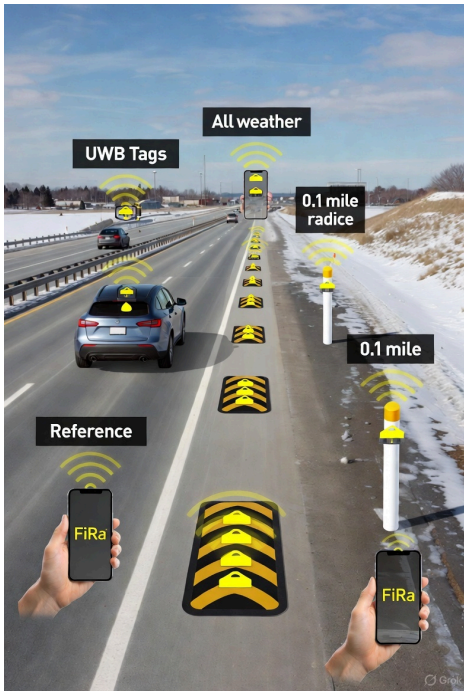




# Permanent, Unjammable, Snow-and-Ice-Penetrating Microlocation Digital Highway System - No Taxpayer Cost



The Ultra-Wideband Roadway Geometry Network™ (URGN™) delivers an unjammable, **all-weather, snow-and-ice-penetrating “digital rail”** that gives every vehicle 4–10 cm lane-level positioning in blizzards, solid glare ice, dense fog, long tunnels, urban canyons, and deliberate GPS jamming — using only the UWB chips already built into every new iPhone, Android flagship, and 2025+ vehicle.

URGN™ will **prevent thousands of deaths** and tens of thousands of life-changing injuries each year by eliminating the 15–40 % of serious winter crashes caused by lane departures in northern states, while returning billions of productive hours lost to weather slowdowns. It also delivers true lane-level congestion data (knowing exactly which lane an incident is blocking in real time) and enables instant, adaptive work-zone guidance that keeps traffic flowing safely around closures.

Implementation is simple: private industry adds a small UWB tag into the raised pavement markers and reference posts that your crews already replace every year — no new poles, no extra lane closures, just a

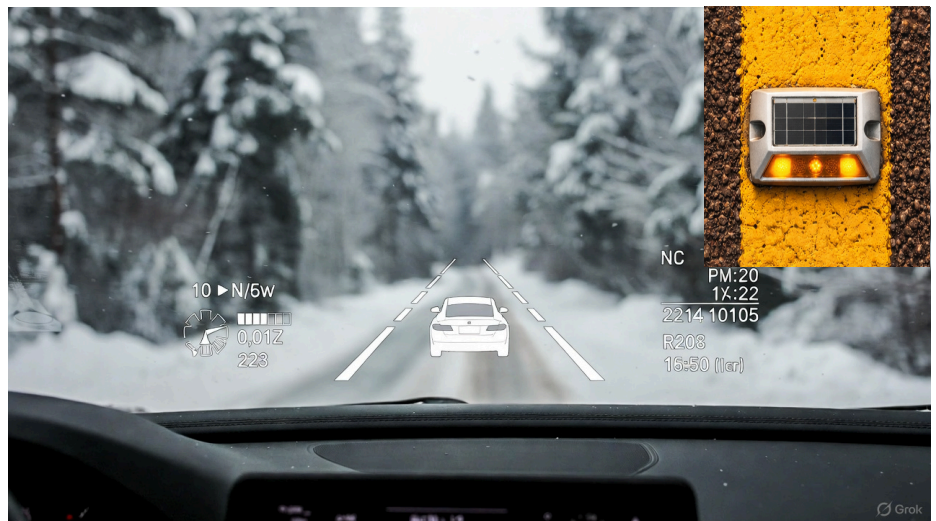
change-order to existing striping contracts. (Actual cost is less than 1/10th the normal restriping costs with 5x redundancy built in.)

In exchange for fully funding deployment and 30 years of operations & maintenance at zero cost to taxpayers, the private partner receives the right to provide licensed data access to robotaxi fleets, ADAS makers, insurers, delivery companies, and navigation providers.

URGN™ permanently ends winter lane-departure crashes, enables nationwide Level 4/5 autonomy, and gives DoD and first responders **resilient PNT when GPS fails.**

A single 500-mile pilot in winter 2027 will prove it works exactly as promised.

This is the simplest, highest-impact highway safety and mobility upgrade we can make with technology that already exists at scale. Let's issue the first change-orders in 2026 and give America roads that save lives, save time, and never lose their way again.



For more information contact Email: [info@urgns.com](mailto:info@urgns.com)