

AUTONOMY COMMERCE ACT 2022

INTEGRATED INTELLIGENT INFRASTRUCTURE (I3) FOR COMMERCE AND DEFENSE



Enabling Intelligent, Autonomous, and Electrified Communities

Investment in a 21st-century Intelligent & Autonomous Infrastructure is among the highest priorities for stimulating economic expansion, national security, and job growth. Edge computing, NextG wireless, Intelligent Transportation Systems, Assured Position-Timing, and resilient electrical grids will drive the largest infrastructure buildout in our nation's history. This next generation infrastructure that will enable the Digital and Autonomous World and drive the next trillion dollar economic expansion. This infrastructure will create Highways and Byways in order to support more efficient mobility, automated city services, autonomous cars and trucks, autonomous shuttles, air taxis, inspection drones, and many intelligent city applications.

PUBLIC INFRASTRUCTURE NETWORK NODE (NEXTG, ITS, APNT, EDGE COMPUTING, CHARGE, AND GRID RESILIENCE)

National - Interstate	Distance	Ratio	PINNs	
Interstate - 05	1367	9	12303	\$1,476,360,000
Interstate - 15	1410	6	8460	\$1,015,200,000
Interstate - 25	1046	6	6276	\$753,120,000
Interstate - 35	1407	9	12663	\$1,519,560,000
Interstate - 55	927	8	7416	\$889,920,000
Interstate - 65	875	7	6125	\$735,000,000
Interstate - 75	1740	8	13920	\$1,670,400,000
Interstate - 95	1797	9	16173	\$1,940,760,000
Interstate - 10	2367	6	14202	\$1,704,240,000
Interstate - 20	1474	6	8844	\$1,061,280,000
Interstate - 40	2389	7	16723	\$2,006,760,000
Interstate - 70	2043	8	16344	\$1,961,280,000
Interstate - 80	2747	9	24723	\$2,966,760,000
Interstate - 90	2672	6	16032	\$1,923,840,000
National Interstate	24,261		180,204	\$21,624,480,000

National - Cities & Communities			
Top 100 Cities		532,144	\$32,460,780,137
Next 100 Cities (100-200)		141,404	\$8,625,634,596
Next 100 Cities (200-300)		96,124	\$5,863,543,463

Commercial & Industrial			
Commercial Industry		340,000	\$20,740,000,000
Industrial Industry		194,000	\$11,834,000,000

Intelligent and Autonomous Infrastructure Estimates			
Cities & Communities	769,671	\$ 46,949,958,196	
Highways	180,204	\$ 21,624,480,000	
Commercial & Industrial	534,000	\$ 32,574,000,000	
Total Estimated Deployment		\$ 101,148,438,196	