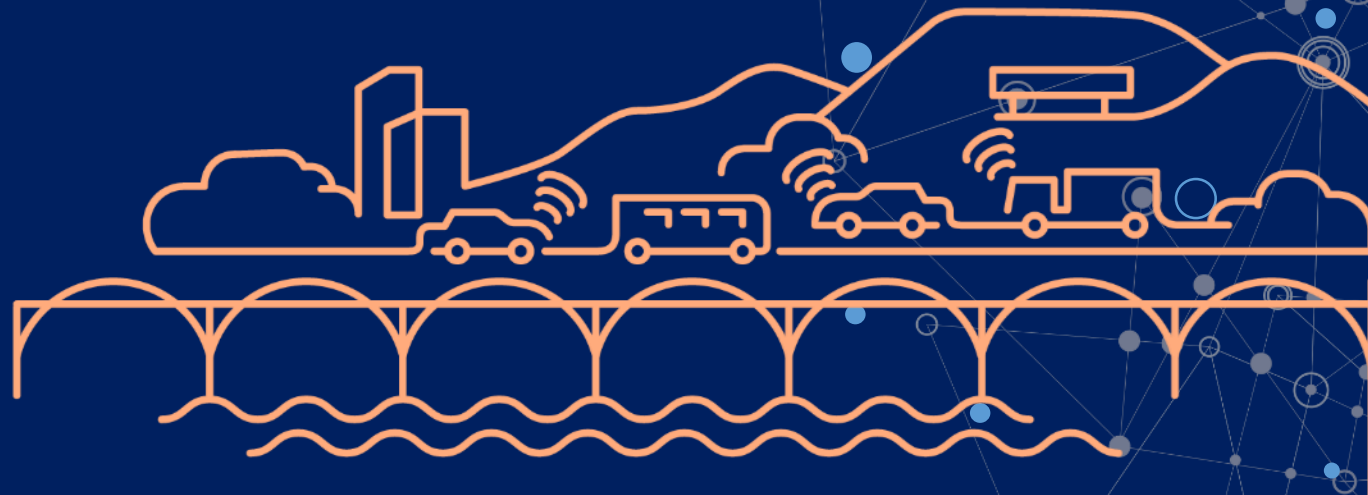


How Can States Help Ensure the Transportation Transition is Equitable?

- Moderator:
 - **Patricio Portillo**, Policy Analyst, National Governors Association
- Speakers:
 - **Tracy Larkin-Thomason**, Deputy Director, Nevada Department of Transportation
 - **Hana Creger**, Environmental Equity Program Manager, The Greenlining Institute
 - **Gregory Rodriguez**, Attorney, Best Best & Krieger

Advancing
Connectivity in Nevada
in Nevada

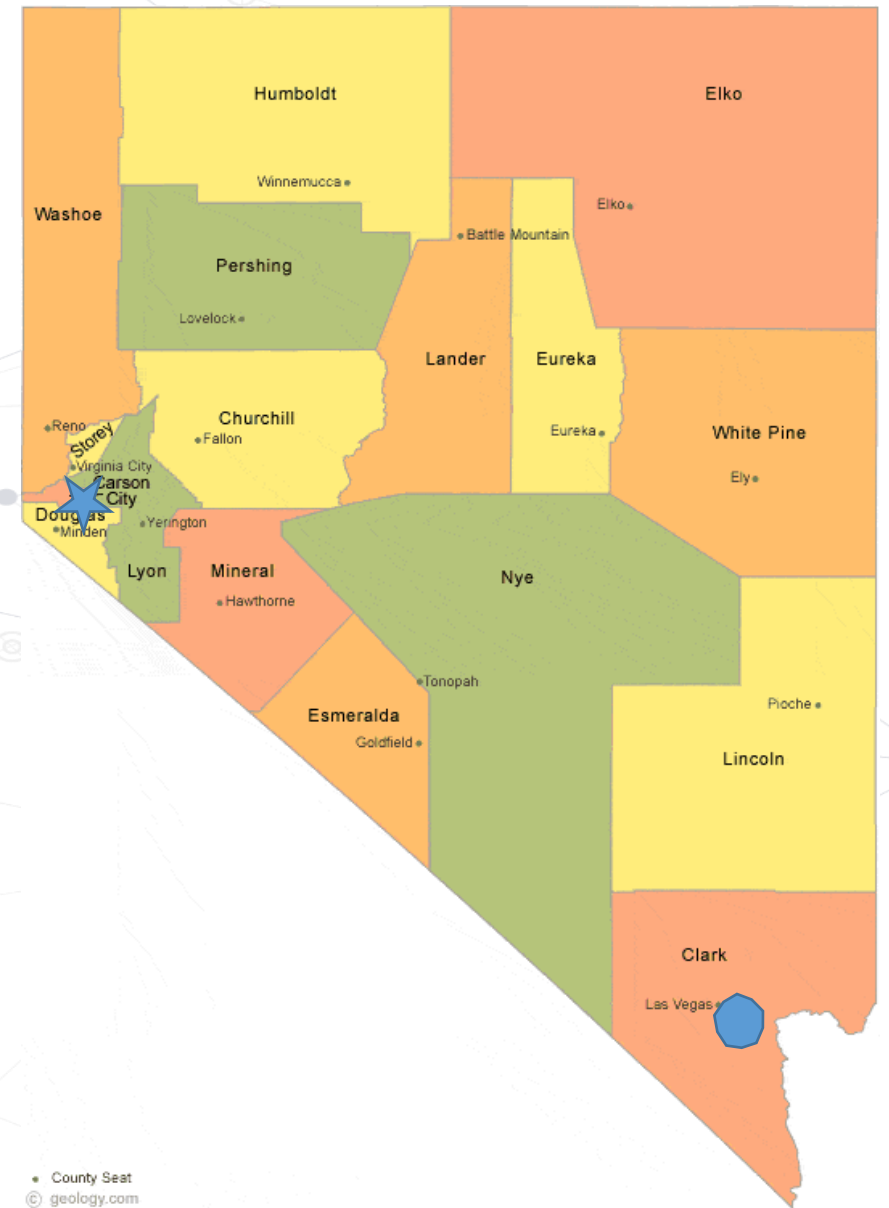


Tracy Larkin-Thomason, PE
Deputy Director
Nevada Department of Transportation



Nevada

- 17 Counties
- 87% Federal Lands
- 3 Million People
 - 2.3M Clark County (Las Vegas)
 - 500,000 Reno/Sparks/Carson
 - 200,000 across 14 counties



Nevada Technology Snapshot

BROADBAND SPEEDS

92.5% Nevadans have access to broadband 25 mbps or faster

90.3% Nevadans have access to broadband 100 mbps or faster

10.4% Nevadans have access to 1 gig

WIRED COVERAGE

13.2% Nevadans have access to fiber-optic service

91.8% Nevadans have access to cable service

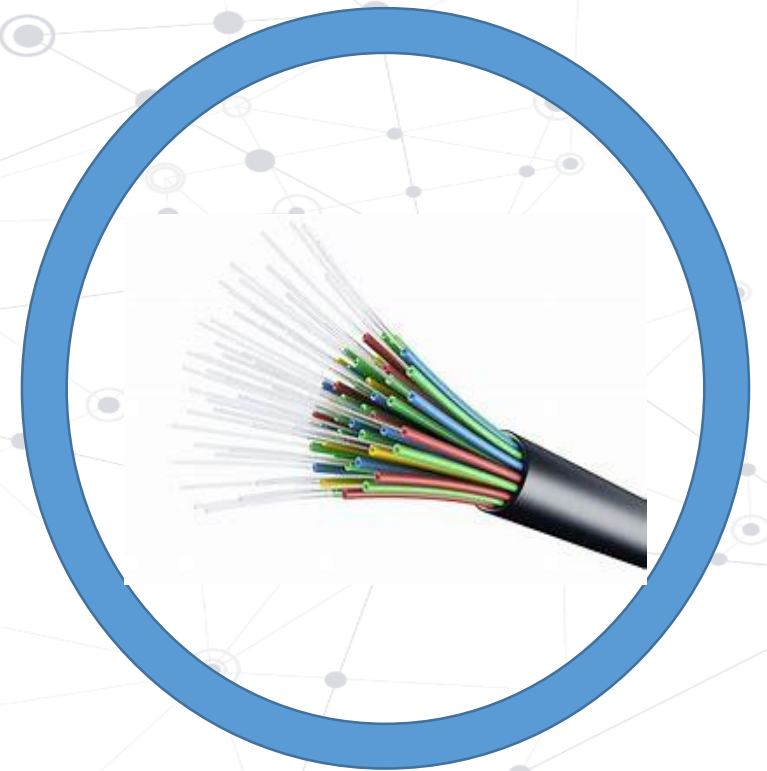
90.4% Nevadans have access to DSL service

WIRELESS COVERAGE

97.4% Nevadans have access to fixed wireless service

Can Municipalities build networks – YES

Number of Smart Meters: 1,289,303 (Nevada Power- 935,732; Sierra Pacific 353,571)



Nevada Technology Snapshot

Facts:

220,000 Nevadans without access to a wired connection capable of 25 mbps download speeds

225,000 Nevadans with access to only one wired provider

100,000 Nevadans do not have any wired internet providers available where they live

NATIONAL CENTER FOR EDUCATION STATISTICS- update 2015

Nevada Households-1,042,100

Households with computer (includes smart phone)-933,200

Households with internet access-822,000

BROADBAND ECONOMISTS, STRATEGIC NETWORKS GROUP- published February 2017

SNG ranked Nevada #18 overall out of the 50 states. Criteria included: Availability, Adoption, Driving Meaningful Use, Growth Investment, and Regulation

Equity in Services

Neva

Broadband Service:

- To coordinate the planning, mapping and procurement of broadband to ensure connectivity across Nevada for schools, libraries, hospitals, clinics, and communities meet national standards.
- Educational Connectivity :
 - Nevada Connect Kids Initiative
 - Sufficient – 100 kbps/student
 - FCC recommended – 1Mbps/student
 - Works with every school district
 - Brought in \$1.25 dollars in federal broadband dollars
 - 63 miles of fiber- optic cable funded
 - 602 schools helped



Telehealth

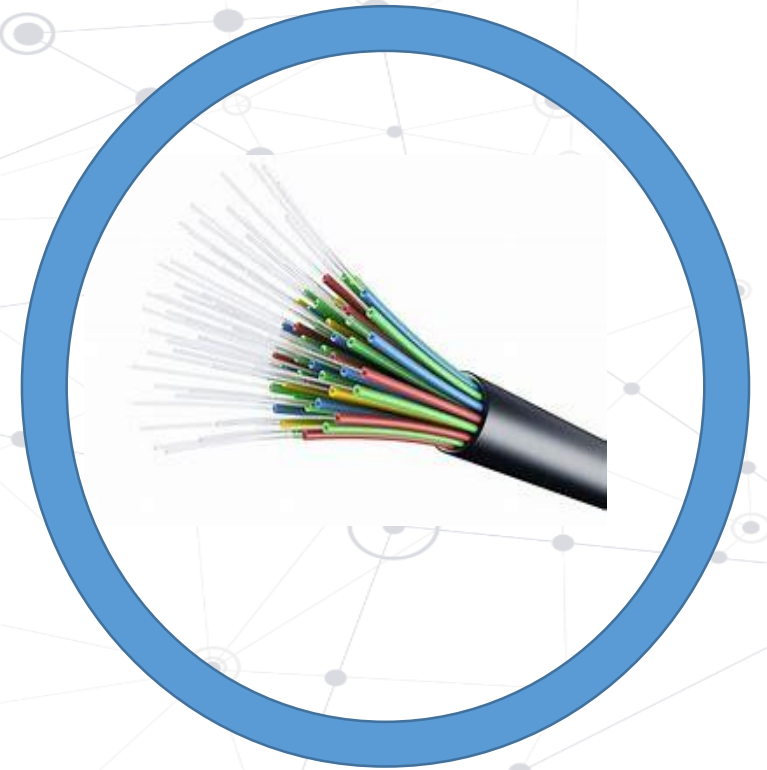
Works with rural Native American Tribes/Colonies, remote and rural hospitals, and the Department of Corrections to provide necessary bandwidth and telecommunications for a robust telemedicine program (goal 2025)

- Remote patients and facilities can more easily obtain clinical services
- federal reimbursements are available to make rural costs equitable to urban providers (reimburses difference in costs)
- Helps equalize the distribution of limited healthcare providers



SB 53 – Providing Conduit for Fiber (2017)

- Allows NDOT to pursue fiber sharing trade agreements with telecommunications companies within state right-of-way.
- **Grant longitudinal access for use of conduit, facilities and wireless access for fair compensation**
- **Develop regulations and policies**
- **Enter into agreements**
- **Issue encroachment permits**



Thank You



Tracy Larkin Thomason NDOT
tlarkin@dot.nv.gov

Jojo Myers OSIT
jmeyers@gov.nv.gov



WHY RACIAL EQUITY MATTERS IN MOBILITY

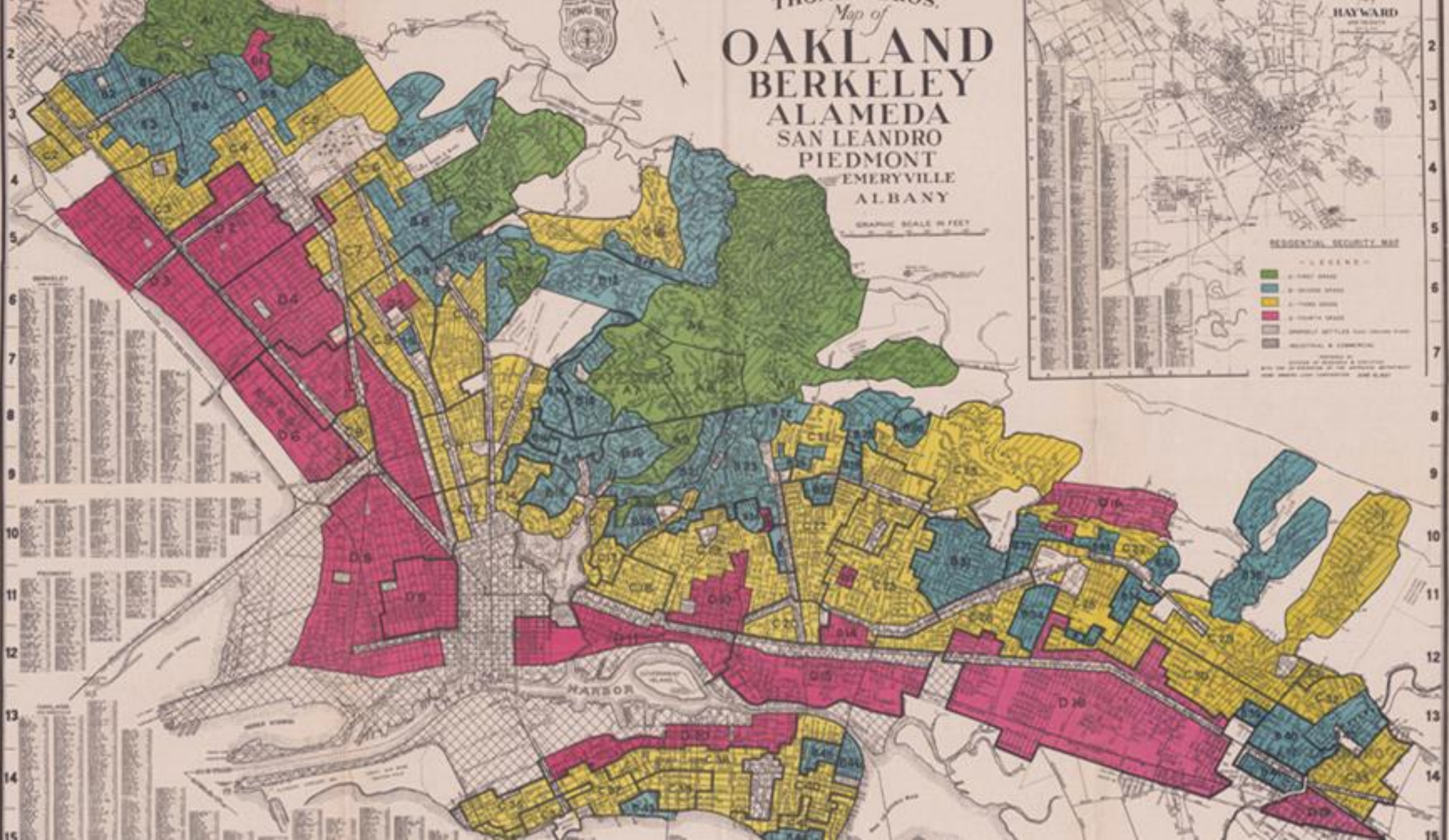
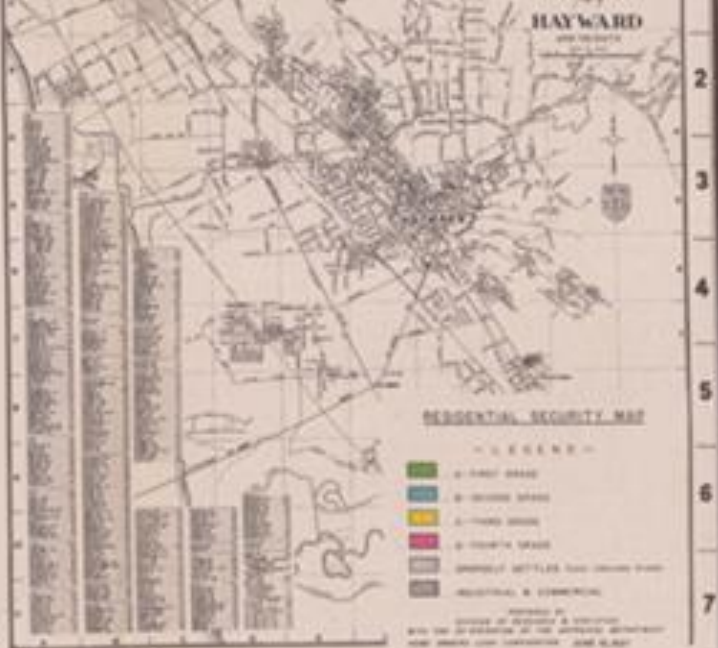
Hana Creger – The Greenlining Institute – NGA



*Building a nation where
communities of color thrive
and race is never a barrier to
opportunity*

THE OFFICIAL
Map of
**OAKLAND
BERKELEY
ALAMEDA
SAN LEANDRO
PIEDMONT
EMERYVILLE
ALBANY**

GRAPHIC SCALE IN FEET



NS FORM-8

AREA DESCRIPTION

8-28-37

1. NAME OF CITY OAKLAND, CALIFORNIA SECURITY GRADE RED AREA NO. D-18
2. DESCRIPTION OF TERRAIN. **Level**
3. FAVORABLE INFLUENCES. **Convenience to schools, local shopping districts, local and San Francisco transportation; proximity to industry increases demand for class of residences in this area.**
4. **DETRIMENTAL INFLUENCES.** **Infiltration of Negroes and Orientals** (see below). Many cheap type cottages and old homes detract from otherwise generally fair appearance of area. Distance from Metropolitan center



FAMILY WEALTH BY RACE



WHITE



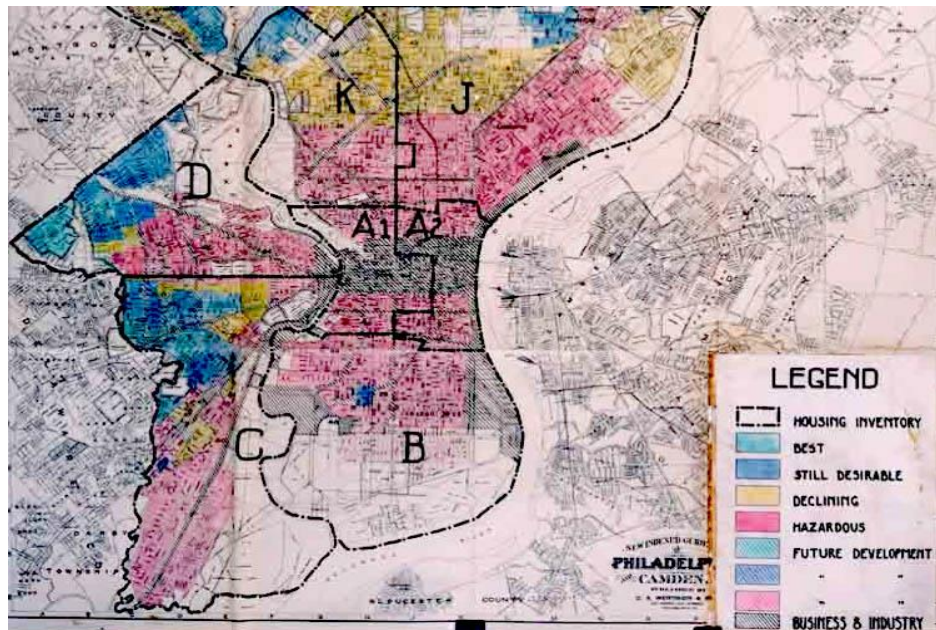
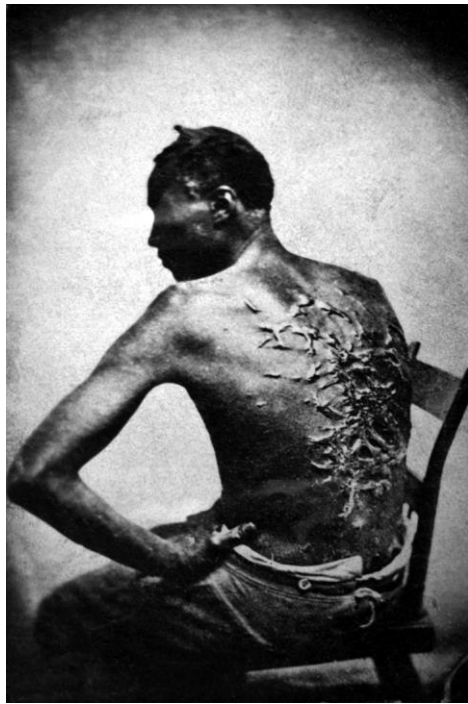
ASIAN

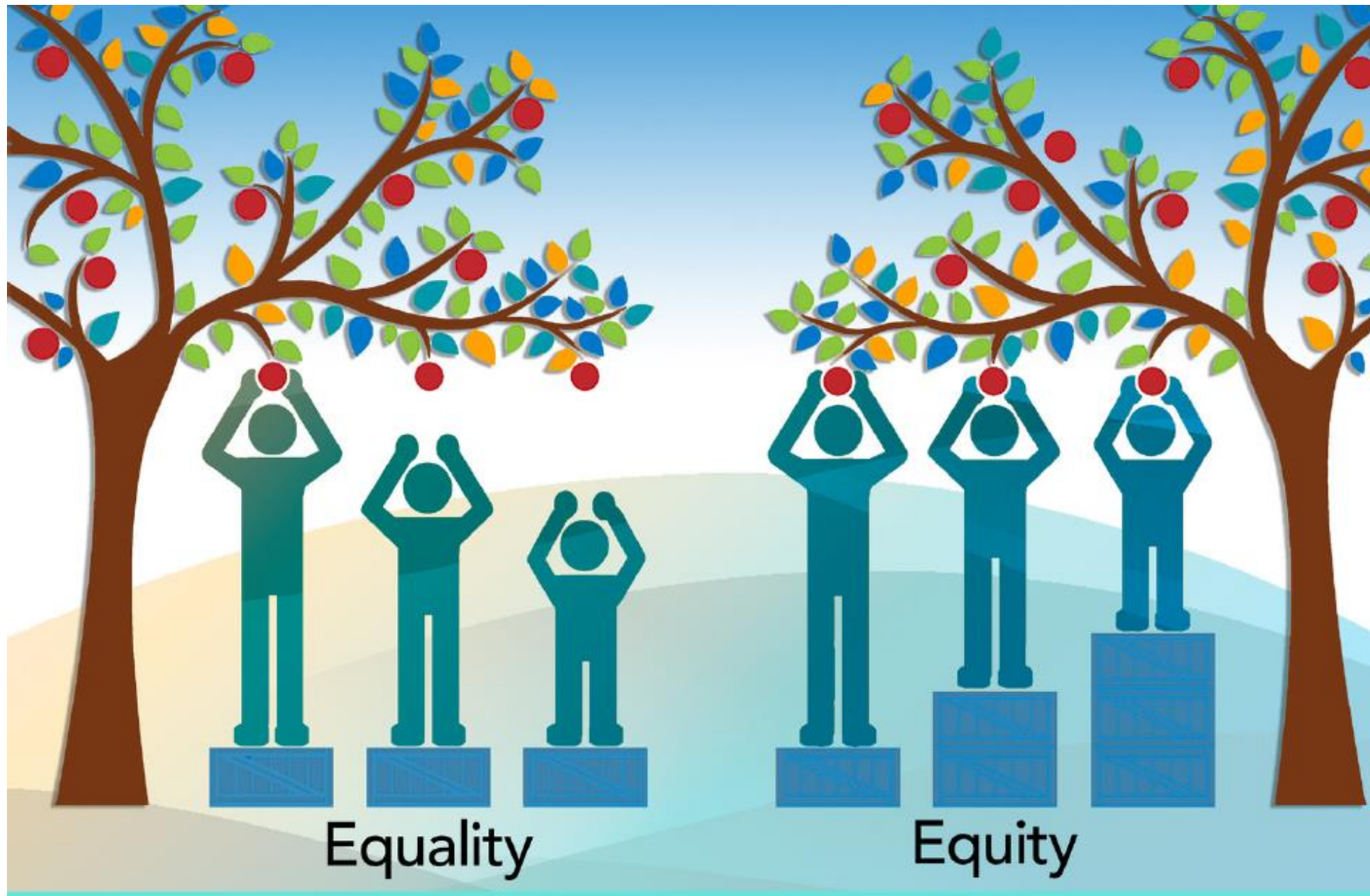


LATINO



BLACK

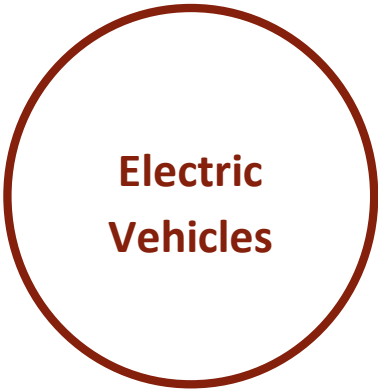




Equality

Equity

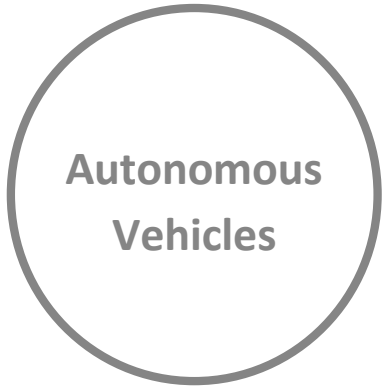
TRANSPORTATION EVOLUTION



2011



2018



2019



THE CHARGE AHEAD CALIFORNIA INITIATIVE

SB 1275 - DE LEÓN
(2014)

*Increase electric vehicle
access in low-income
communities of color*

ELECTRIC VEHICLES



17+ PROJECTS

- Vouchers up to \$9,500 for new or used EVs
- Electric carshare and school buses
- Rural electric vanpools



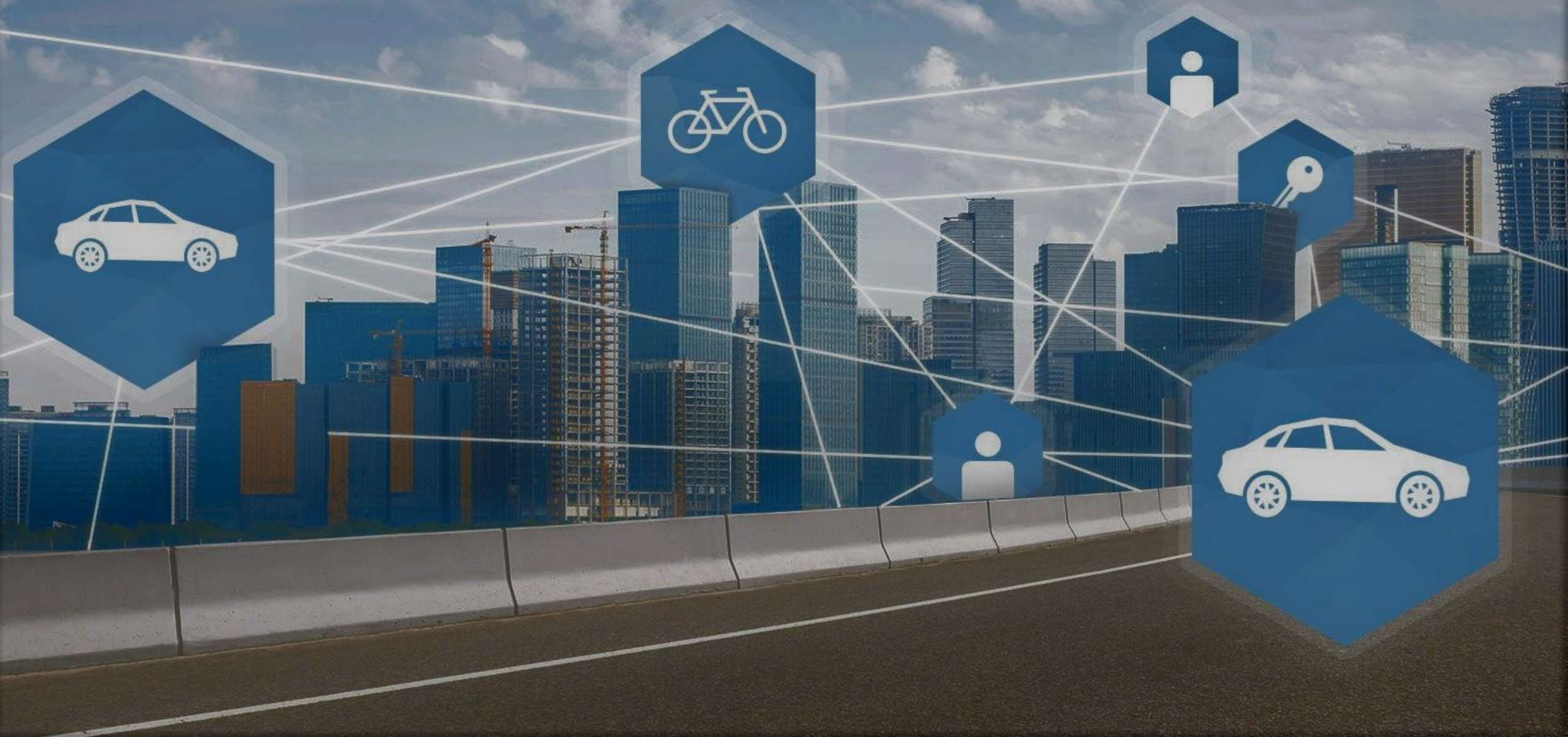
\$280M+



\$500M+

- Charging infrastructure in low-income communities

SHARED MOBILITY



MOBILITY EQUITY FRAMEWORK



AUTONOMOUS VEHICLES



REPORTS & TOOLS

- Electric Vehicles for All: An Equity Toolkit
- Delivering Opportunity: How Electric Buses and Trucks Can Create Jobs and Improve Public Health
- Mobility Equity Framework: How to Make Transportation Work for People
- Making Equity Real in Mobility Pilot Projects
- Autonomous Vehicles Heaven or Hell? Creating a Transportation Revolution that Benefits All



How Can States Help Ensure the Transportation Transition is Equitable?

Gregory Rodriguez
NGA Transportation Technology Workshop



Best Best & Krieger



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RECOGNIZING VALUE OF TRANSPORTATION



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EXISTING FOUNDATIONS



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UPDATING FOUNDATIONS

- **Safe Integration** – What is safe enough?
- Preemption – Too early?
- Right-of-Way Regulation
 - Connection to wireless deployment
 - **Interoperability**
- **Tax and Revenue**
 - Paying for infrastructure
 - Congestion / Curb Management Fees
- **Privacy and Data Sharing**
- **Terms of Use** (i.e. mandatory arbitration)
- TNC Regulations – Agency jurisdiction?
- Equity and Access – More than just talking points!
- Public Trust / Adoption
- **“Public Transportation”**



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HOW TO RECONCILE?

PEOPLE

VS

“SCALING UP”



GREG RODRIGUEZ

@smartertranspo

Best Best & Krieger LLP

Washington, D.C.

greg.rodriguez@bbklaw.com

(202) 370-5308

www.bbklaw.com



BEST BEST & KRIEGER ^{LLP}
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