

COLLECTIVE AND INDIVIDUAL ACTIONS TO ENVISION AND REALIZE THE NEXT ERA OF AMERICA'S TRANSPORTATION INFRASTRUCTURE

NCHRP 20-24 (138)A

presented to

*NAS Workshop:
Reinventing the Right of Way*

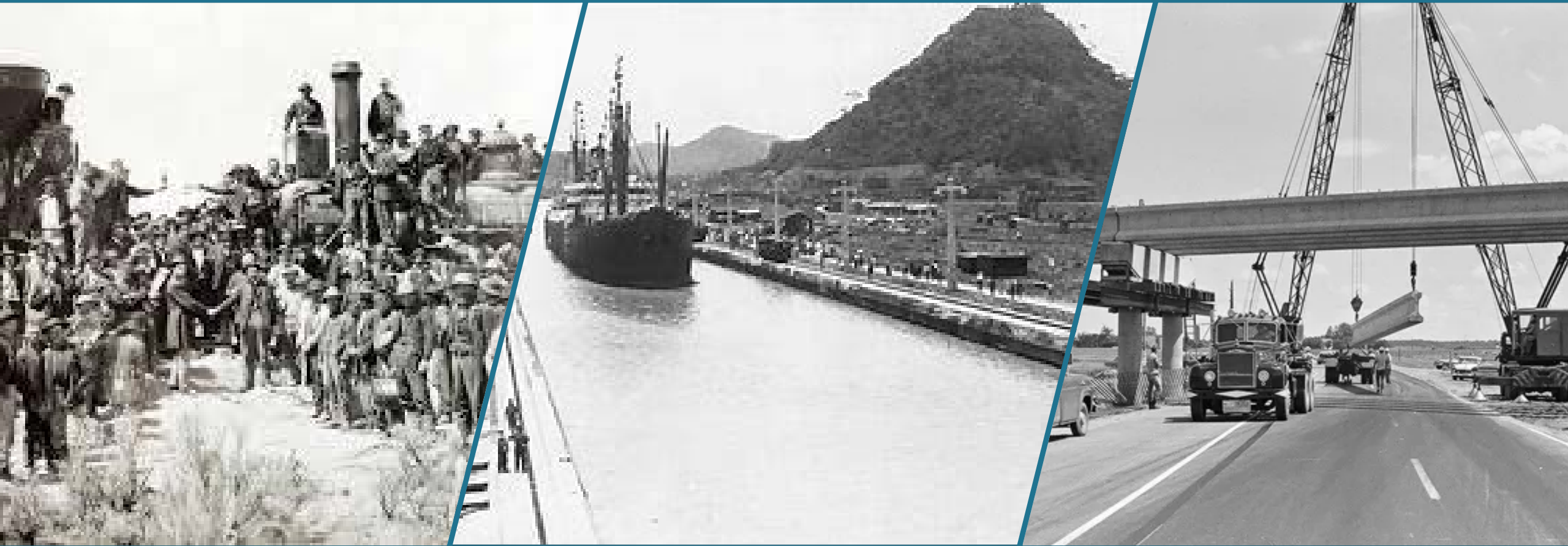
presented by

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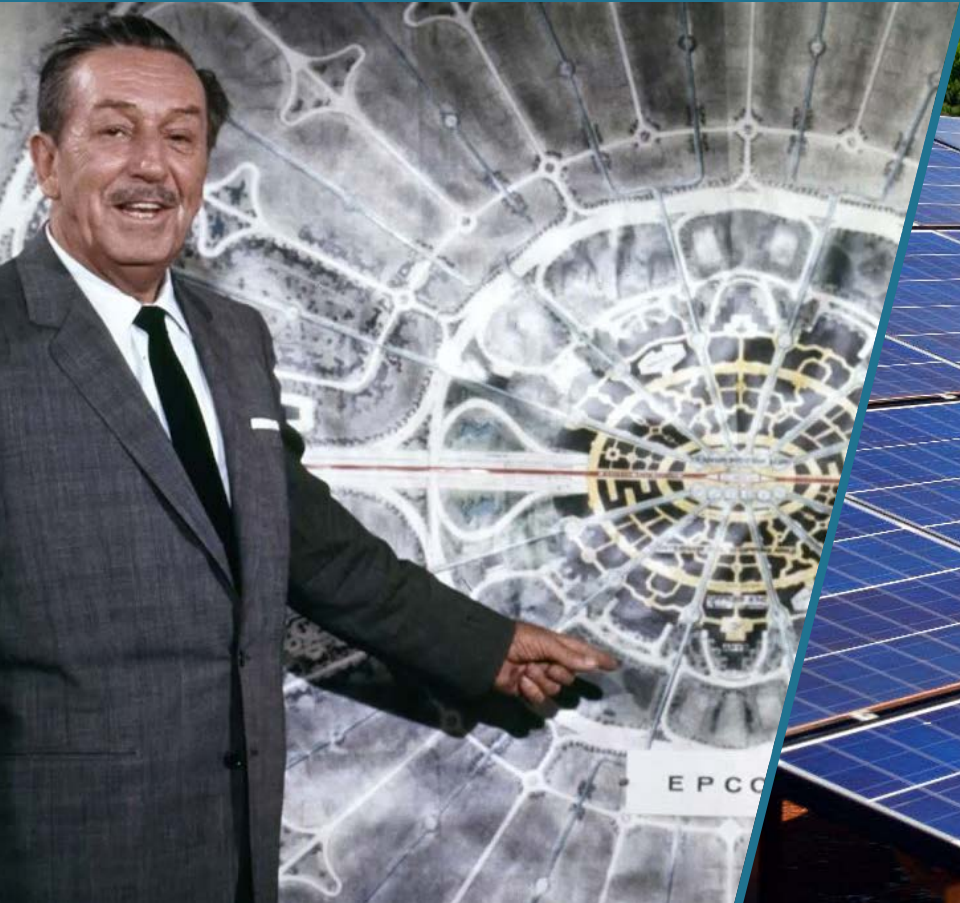
April 9, 2025



WE TOOK A LOOK BACK...



WE LOOKED AT OTHER INDUSTRIES ...



WE EXAMINED TRENDS & UNCERTAINTIES...



DEMOGRAPHICS

PROSPERITY



*FUTURE OF
WORK*

*TRADE &
LOGISTICS*



*REGIONS &
MEGAREGIONS*

COMMUNITIES



TECHNOLOGY

ENERGY



*RISK &
RESILIENCE*

*CIVIC &
GOVERNANCE
SYSTEMS*

WE ENGAGED MANY PEOPLE...



1 VISION

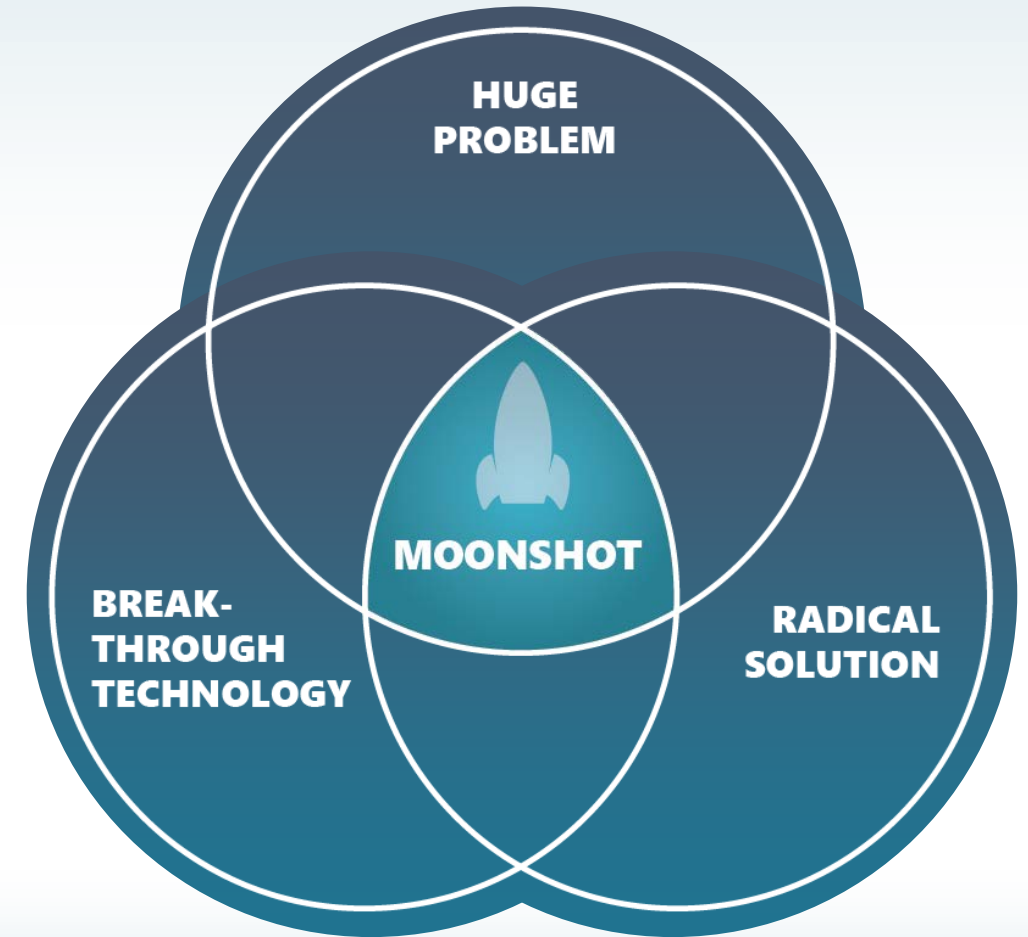
6 ASPIRATIONAL GOALS

ADOPTED BY AASHTO BOARD OF DIRECTORS, OCTOBER 2022

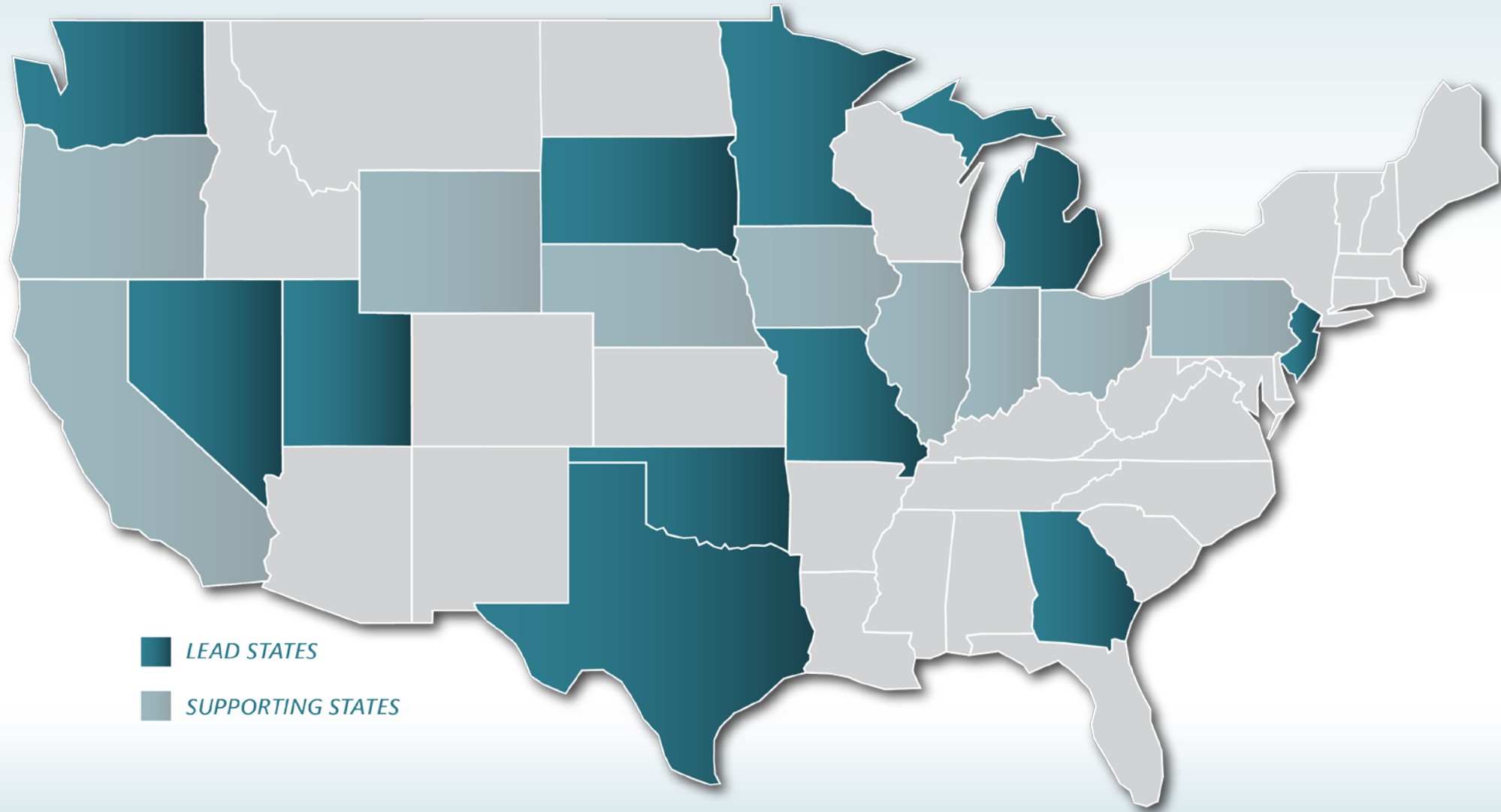


7 MOONSHOTS: WHAT IF WE?

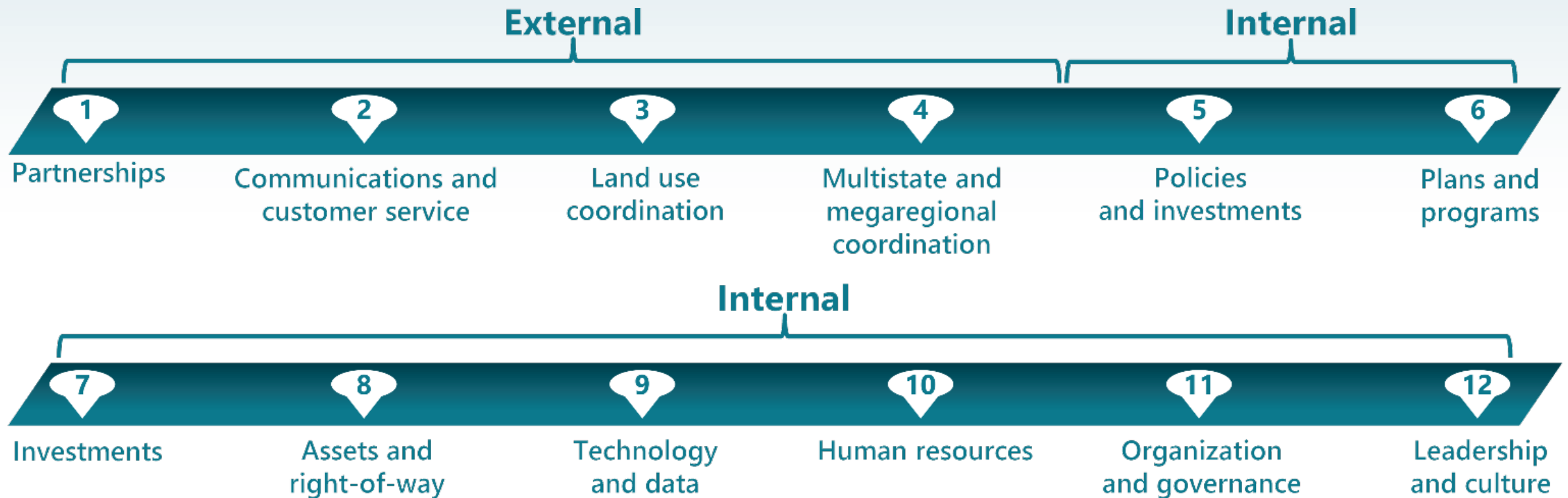
- Make aggressive progress toward **Vision Zero**
- Expand access to **jobs & economic opportunity**
- Create a **mobility marketplace**
- Create **national digital infrastructure**
- Advance **transportation & energy together**
- Rethink how we **connect communities & regions**
- Prioritize strategies & investments to **strengthen communities**



11 LEAD INITIAL DEPLOYMENT STATES



12 LEVERS OF CHANGE



POTENTIAL ACTIONS

Lever of Change	Actions
Leadership & culture	<ul style="list-style-type: none">• Define energy goals as part of DOT strategic plan; view DOT as department of transportation and infrastructure?
Partnerships	<ul style="list-style-type: none">• Strengthen partnerships with energy sector; joint office of transportation and energy? industry working groups?
Policies & regulations	<ul style="list-style-type: none">• Share model policies/processes for energy generation and transmission in ROW• Develop policy framework supportive of transportation/energy coordination

POTENTIAL ACTIONS

Lever of Change	Actions
Plans & programs	<ul style="list-style-type: none">• Align transportation and energy planning processes• Develop corridor-scale infrastructure buildout plans
Assets and ROW	<ul style="list-style-type: none">• Map ROW and conduct suitability analyses• Develop DOT ROW asset management/stewardship plans
Human resources	<ul style="list-style-type: none">• Build DOT staff capacity/skills on energy (rotations, fellows programs, co-funded positions)
Organization & governance	<ul style="list-style-type: none">• Define DOT roles; identify chief energy officer

FOR MORE INFORMATION

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