

John Horsley, Executive Director, AASHTO 11th Biennial Conference on Transportation Energy and Environmental Policy Pacific Grove, California

Transportation Vision Summit

To Provide the National Surface Transportation
Policy and Revenue Study Commission with a
long range vision for transportation



Transportation Vision Summit

9 Key Topics Addressed

- Big Picture
- Highways
- Railroads
- Transit
- Metro Mobility

- SustainableTransportation
- Advanced Technology
- Safety
- Funding

Panel

- Hal Kassoff, Chair
 PB: Sr. VP & Highway Market Leader
- Barry Barker
 Louisville Transit: Exec Director
- Gordon Bell

Writer

- Douglas Foy
 DIF Enterprises: President
- David Greene
 Nat'l Transp Resrch Ctr: Research Fellow
- David Burwell

- Jack LettiereTransportation Consultant
- Ian Lockwood
 Gladding Jackson
- Gary McVoy

NYSDOT: Director of Operations

Dan Sperling

UC Davis: Director, Inst of Transp Studies

Gary Toth

NJ DOT: Director, Project Planning & Devel

Support: Janet Oakley: AASHTO, Kathryn Harrington-Hughes: Upper Great Plains Inst.

Sustainable Transportation Vision

 Reduce the Transportation System Environmental Footprint

WHILE

 Expanding Transportation System Capability to Serve Communities, Economy and Growth

THE TRIPLE BOTTOM LINE

Build Strong Communities with Sustainable Transportation Strategies That Result In...

- Robust Economic Growth
- Better Than Before Health of the Environment
- Improved Quality of Life for All Citizens



Robust Economic Growth

Use sustainable practices in improving the existing transportation system

- Fulfill expectations of transportation to serve economic growth
- Improve system performance through operations and ITS
- Use Asset Management to preserve, extend life, restore and enhance the existing system
- Improve network connectivity within and between modes for passenger and freight traffic
- Leverage existing capacity with better highway and street grid integration

Robust Economic Growth Manage Highway Travel Demand

- Cut the growth in VMT -- from 3 trillion in 2006 to 5 trillion (rather 7 trillion) by 2055
- Reduce the number of commuters who drive alone
- Increase percentage who ride bikes, walk or work at home
- Double transit ridership by 2030
- Expand the potential for intercity passenger and freight railroads to serve a greater share of their markets

Robust Economic Growth

Apply sustainable approaches when delivering new capacity

- Expand system capacity judiciously
- Use Context Sensitive Solutions to achieve program and project outcomes that fit into and enhance their settings while fulfilling transportation objectives
- Replace "Wider, Straighter, Faster" with Context Sensitive Solutions that enhance safety

Better Than Before Natural Environment

Reduce Carbon Dioxide Conserve Energy

- Reduce transportation-related oil consumption by 20% in ten years, through increasing CAFÉ standards and use of renewable fuels.
- Double the fuel efficiency of new passenger cars and light trucks by 2030.
- Cut in half the projected rate of growth of vehicle travel through 2055.
- Double transit ridership by 2030.
- Reduce automobile and truck carbon dioxide emissions by 20% by 2020.
- Launch long-term national research on noncarbon-based fuels.

Better Than Before Natural Environment

Use Environmental Stewardship Principles

- Go beyond mitigation to enhancement -air, water, wildlife habitats
- Measure end results so that the natural environment is better than before project by project
- Expand the reuse and recycling of materials
- Create long lasting materials to conserve resources

Improved Quality of Life for All Citizens

Expand Sustainable Life Style Choices by Coordinating Land Use and Transportation

- Cities
- Suburbs
- Small Towns
- Rural Areas
- Rail
- Bus
- Streets
- Highways



Improved Quality of Life for All Citizens

Coordinate Land Use and Transportation

- Encourage collaborative land use and transportation planning
- Promote infill development in central cities and close in suburbs
- Encourage new development in outlying suburban areas to be mixed-use and friendly to transit, walking and biking
- Preserve small towns
- Reduce sprawl and consumption of open space and farmland

Triple Bottom Line Economic, Environment, Quality of Life Objectives

"Adopt the triple bottom line as a yardstick for evaluating the sustainability of surface transportation system policies and performance and as a way of advancing projects."

A. Embrace environmental stewardship as a preeminent approach to delivering transportation services that result in a zero carbon footprint and a "better than before" environment for all.

Voting Result:

	Strong Support		39%
	Some Support		15%
_		12%	
-	Not Much Support		15%
	Do Not Support		20%

Strong or Some Support: 54%

Little or No Support: 35%

Average Score: 3.4

B. Deliver a sustainable, high-performance transportation system in support of a robust economy by first optimizing existing infrastructure, then managing demand, and lastly, expanding capacity judiciously.

Voting Result:

_	Strong Support		43%
	Some Support		18%
_	Neutral	10%	
 	Not Much Support		10%
7	Do Not Support		19%

• Strong or Some Support: 61%

Little or No Support: 29%

Average Score: 3.6

C. Enhance quality of life by integrating transportation with the built and social environments by using the full tool kit, including context sensitive solutions, land use policy, and modal options.

Voting Result:

-	Strong Support	44%
	Some Support	15%
_	Neutral 20	%
\	Not Much Support	9%
$\overline{\perp}$	Do Not Support	12%

Strong or Some Support: 59%

• Little or No Support: 21%

Average Score: 3.7

Sustainable Transportation Goals/Strategies:

IN SUM:

- From 54% to 61% were supportive clear majority
- Form 21% to 35% were NOT supportive clearly troubling
- Score of 3.9 or higher placed in top 10 of 27
- > All top 10 were "hard core" transportation issues
- > Sustainable Transportation scored 3.4 to 3.7
- Sustainable Transportation made it to the "mainstream" (among transportation professionals while "competing" with hard-core transportation issues)

A Big Step Forward

A New Vision for the 21st Century

- National Surface
 Transportation Policy
 and Revenue Study
 Commission
- Congress
- www.transportation.org

