THANK YOU!

For more information:
Natalia Leuchanka
Strafford Regional Planning Commission
150 Wakefield St., Suite 12
Rochester, NH
nleuchanka@strafford.org
THE COLLABORATIVE

MPO APPROACH TO TRANSPORTATION PERFORMANCE BASED PLANNING IN NEW HAMPSHIRE

Panelist: Natallia Leuchanka
AMPO Conference
Panel on Performance Measures
Las Vegas, Nevada
October 21, 2015
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INTRODUCTION

What: MAP-21 requirement to track national performance measures & set targets within 7 National Goals

Who: DOTs and MPOs

How & Why: “[MPOs]…, in cooperation with State and public transportation agencies, shall develop long-range transportation plans and transportation improvement programs through a performance-driven, outcome-based approach to planning.” 23 USC Section 134(c)(1); 49 USC Section 5303(c)(1).

When: DOTs establish targets within 1 yr after Rulemaking. MPOs establish targets within 180 days after DOTs.

SO HOW ARE THE MPOs IN NEW HAMPSHIRE APPROACHING THIS???
THE NH MPO STRATEGY

Establish a common framework

Develop an interagency list of measures

Interagency Performance Based Planning WorkGroup

Share resources

Collaborate

Seek $$$ (SHRP2)

Conduct a qualitative stakeholder assessment
STEP-BY-STEP

**Phase I**
Qualitative Stakeholder & Context Assessment

**Phase II**
Evaluation Criteria & Measure Selection

**Phase III**
Methodology Assessment & Selection

**Phase IV**
Measure Calculation

**Phase V**
Trend Analysis, Target Setting, Strategy Development
The Social Science Approach

- Qualitative data analysis is critical thinking

- Codes are created as nodes (segments of text of a particular theme/concept)

- Coding: Identify and label passages of text related to particular research objectives or themes

- Use of NVivo Qualitative Analysis software to derive meaningful segments & concepts from raw data (Interview Text)

- "Snowball effect" of seeking out participants

- Verbatim Interview transcriptions help ensure validity and reduces researcher bias

- Semi-structured interviews

- ACTIVE reading of transcripts, NOT passive

- Qualitatively analyze the raw data (Interviews)

- Conceptual Inductive Approach to Analysis and Interpretation

- Data → Theory

- START HERE

- Think, research, and write!
Verbatim interview *transcriptions* help ensure validity and reduces researcher bias

"Snowball effect" of seeking out participants

Semi-structured *interviews*
ACTIVE reading of transcripts, NOT passive

Qualitatively analyze the raw data (interviews)

General Inductive Approach to Analysis and Interpretation

Data ➔ ? ➔ Theory

Raw data (not a hypothesis) guides the process and findings.
Reading a love letter

often involves...

"reading between the lines"
Qualitative data analysis is critical thinking

Specific Codes  Categories  Concepts  Queries

Iterative process

Codes are created as Nodes (buckets of text of a particular theme/concept)

Coding = identify and label passages of text related to particular research objectives or themes

Use of NVivo Qualitative Analysis software to derive meaningful segments & concepts from raw data (interview text)
So what are some things that we are seeing?

What are our stakeholders talking about?
25 interviews and/or group discussions

With....

86 individuals

From...

~50 groups / agencies / organizations
What does the stakeholder network look like?

How are stakeholders connected?

Who is in the core workgroup?

How can we improve the network?

We are tasked to collaborate in everything we do.
We are tasked to collaborate in everything we do.
APPLICATIONS OF PERFORMANCE MEASURES AND PBP

Most Frequently Mentioned by Stakeholders

1. Influence Funding & Investment
   - Cross Agency Consistency
   - Identify Areas of Needs & Gaps

2. Self Evaluation
   - Project Prioritization & Programming

3. Communicate & Public Engagement
   - Discover New & Emerging Patterns
   - Redirect Resources
   - Develop Recommendation, Strategies, Implementation Actions for Improvement

Legislative Change & Support
- Increased Transparency & Accountability
COMMON BARRIERS / CONCERNS / CHALLENGES

Most Frequently Mentioned by Stakeholders

1. Data/Modeling Accuracy, Reliability, and Limitations
2. Data Availability and Access
3. Data Collection, Processing, and Maintenance
4. Data Updates & Frequency
5. High Cost of Data Collection
6. Lack of Central Clearinghouse & System

Effective Communication, Education, & Outreach
Funding & Investments

Collaboration & Partnerships
Decision-making related to measures
Adapting Measures & PRP Framework to Regional Needs & Issues
Public Perception
State Support & Understanding of Local/Regional Realities
- Data/Modeling Accuracy, Reliability, and Limitations
- Data Availability and Access
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- Lack of Central Clearinghouse & System
Effective Communication, Education, & Outreach

Funding & Investments
Collaboration & Partnerships

Breaking Political & Bureaucratic Barriers

Meaningfulness of Measures

Efficiency, Utilizing Current Resources, Removing Redundancy

Public Perception

Adapting Measures & PBP Framework to Regional Nuances & Needs

Control/Influence over Measure Outcomes/Trends

[Federal] Understanding & Ensuring Relevancy to NH Scales - State, MPOs, Rural RPCs, & Municipalities

State Support & Understanding of Local/Regional Realities
SO, WHAT DO I NEED TO KNOW???

Assess YOUR situation
- Priorities, needs, stakeholders, resources, mandates, context.

Collaborate with partners
- Build relationships and work together (power in numbers).

Build on Common Goals
- Identify and focus on common goals; build off mutual benefits.

Reach out to your stakeholders
- Establish TWO-WAY communication.

Work within your means
- SMART and feasible measures
  - Consider your resources, time, staff needed to collect & analyze data.

Know your audience
- Develop measures that are meaningful and understandable.
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