Planning for Kentucky's Transportation: Today & Tomorrow

A Planning Metamorphosis

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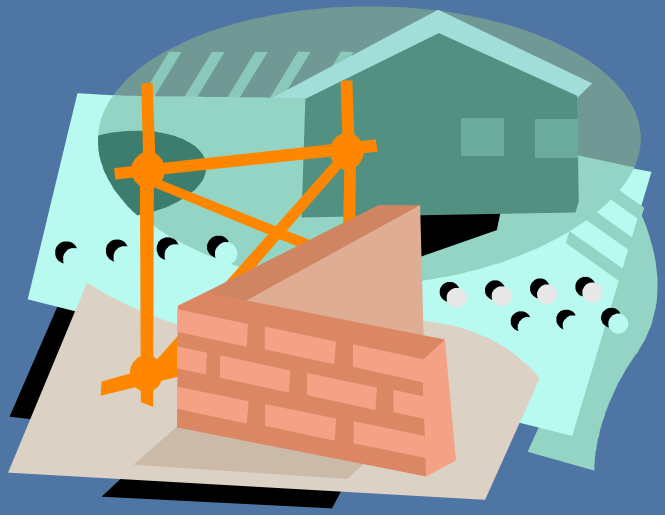
Hard work got me where I am.
Where am I?

The Challenge--
How do we know what is going on in the communities?

"I represent 26 counties and a whole slue of local officials. I feel very strongly about involving their voices in the transportation decision making process. Although the State DOT bureaucrats are professionals and obviously deserve their day in court, they don't often know what's going on in each community."

Rep. Joanne Emerson (MO)

The foundation of any successful transportation plan must include-

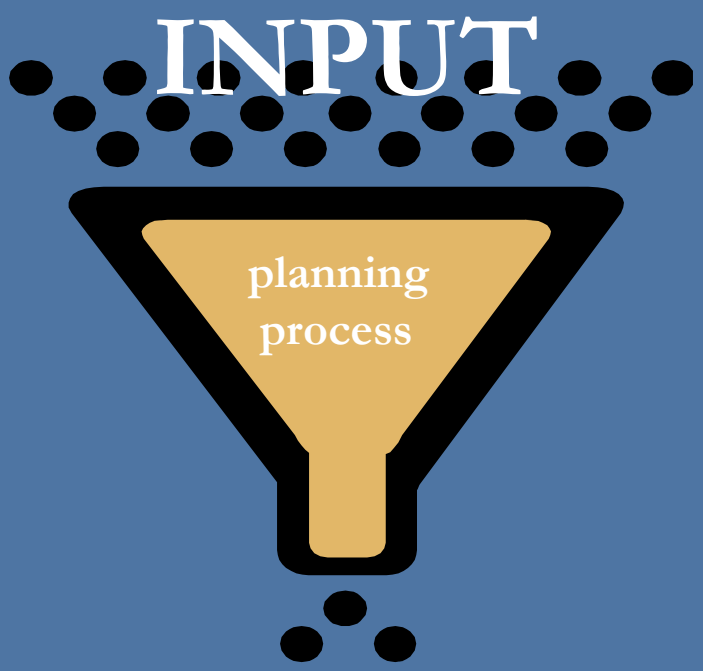


- a clear vision
- availability of funding
- public and political support

Input –

Ingredients of a Successful Planning Process

- Technical Input
- Public Input
- Political Input



The most important task of the planning process is the **conversation** held with the members of the community.

Having that Conversation-

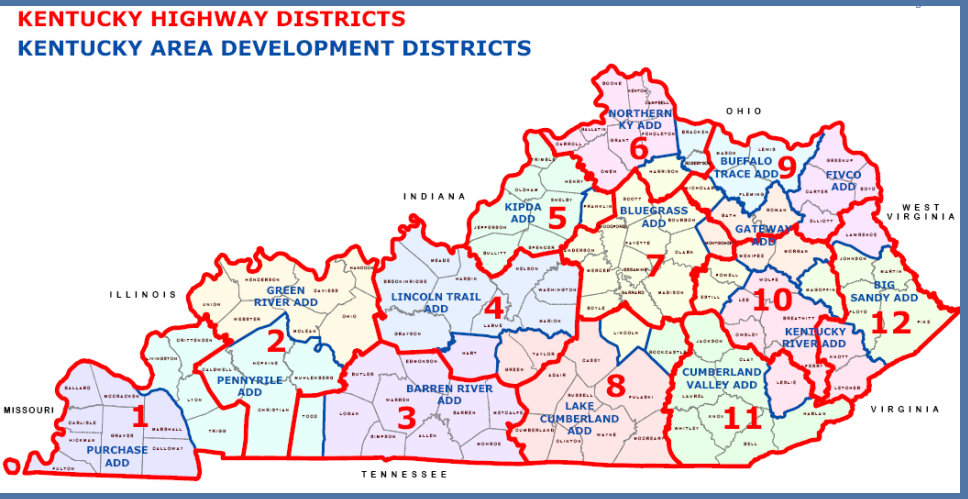
Kentucky Transportation Cabinet

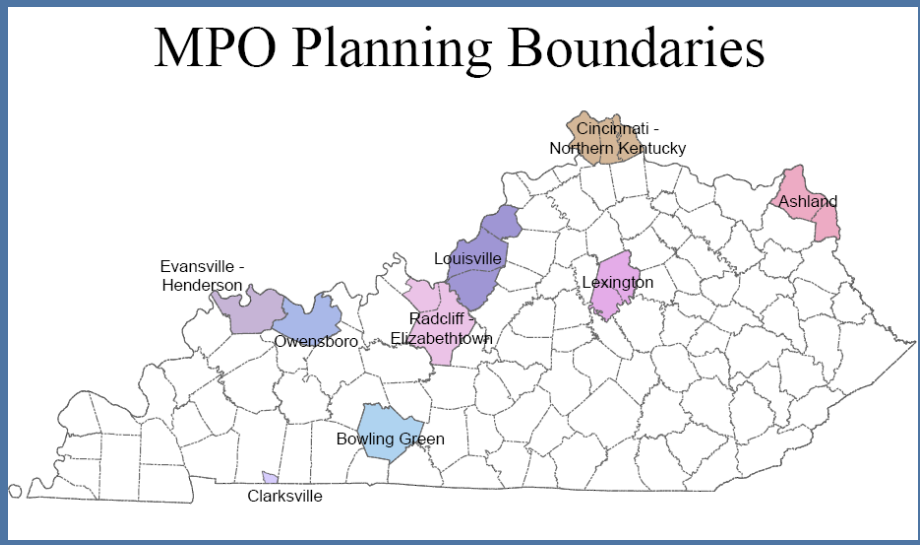
partnership with

Kentucky Area Development Districts

and

Metropolitan Planning Organizations





15 Regional Transportation Advisory Committees
&
9 Metropolitan Planning Committees

- Local Elected Officials
- Citizen Interests/Transportation Disadvantaged
- Planning & Zoning
- Economic Development
- Other Modes-Bicycle, Public Transit, Air, Rail, Water, etc.

Technical Input
Highway District PLANNERS: "Keepers of the Stuff"

- Current/Future Traffic Volumes & Classification
- Existing Roadway Information
  - Form (Highway Information Systems)
  - Function (Systems)
- Crashes: Type – Location – Frequency
- Commercial-Industrial Development Needs
- Intermodal Connections (Ped, Bike, Transit, Freight)
- Cultural and Environmental Resources
- Project Info: Unscheduled Needs List (UNL), State Highway Program, and Planning Studies

THE CONVERSATION: What do we talk about?

- Identification of Transportation Needs
- Planning Studies
  - Small Urban Area
  - Corridor
  - MPO Long Range Plans
- Needs Development into Projects (PIF's & UPL)
- Prioritization of UPL Projects (local, regional, & district office)
- State Hwy Plan (Program)Projects (funded & scheduled)
- Data Needs Analysis (DNA) Studies
- Immediate "fixes"(Safety Projects, Traffic/Maintenance)

Documenting the Planning Process

- Unscheduled Projects List (UPL)
  - Project Identification Forms (PIF)
- Long-Range Plan (LRP)--Policy
- State Highway Program
  - Data Needs Analysis (DNA) Studies
- Regional Transportation Plans

The Evolving Vision

Where are we?

Accommodating "The New Normal"

Joseph Giglio, North Western University

The Facts:

Past: Interstates are Complete

Present: Funding is a Problem

Future:

Short Term: What is Today's Vision

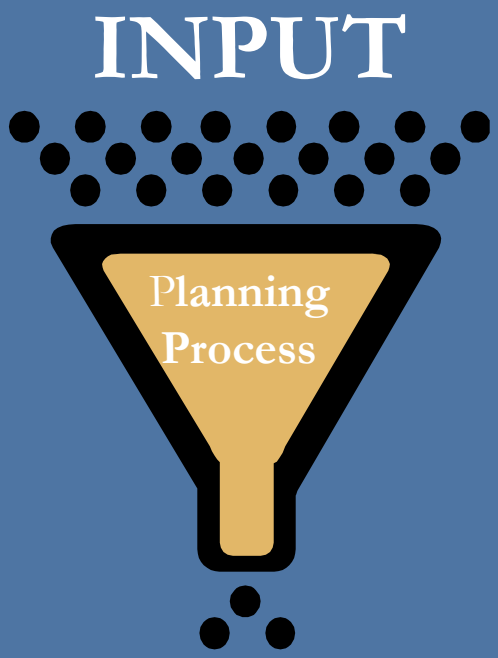
Existing Road Needs Increase

Long Term: What is VISION 2030 or 2040?

UNSCHEDULED NEEDS LIST

(RURAL & URBAN)

- 2,500 UNL
- Over $60 Billion
- Over 6,000 miles of roadway



So, just where are we?

Are all Needs Good Projects ???

I asked KYTC Planning Engineers

1. Do you know your District Transportation Plan?

2. Are You Ready For Tomorrows Prosperity?

We Have:

- Unscheduled Needs List (UNL)
- Policy Based Long Range Plan
- STIP
- State Highway Plan

But,

Do you know the transportation plan for your area?

Input –

Ingredients of a Successful Planning Process

Three Parts:

1. **Local Officials Input**
2. **Public Input**
3. **Engineering Input**

How are we Performing our Engineering?

We review the UNL, etc.

How are projects document to support its ranking or prioritization?

Data Driven

KYTC MISSION:

To provide a safe, efficient, environmentally sound and fiscally responsible transportation system that delivers economic opportunity and enhances the quality of like in Kentucky.

What are Planning's Goals?

1. Mobility
2. Access
3. Connectivity
4. Safety
5. Security
6. Economic Stewardship
7. Environmental Stewardship
8. Involvement

NEPA and Transportation Decision-making
FHWA Guidelines
9 Elements of Purpose and Need

Project Status
Capacity
System Linkage
Transportation Demand
Legislation
Social Demands or Economic
Modal Interrelationships
Safety
Roadway Deficiencies

Now,
The Engineering Component

Where are we going?

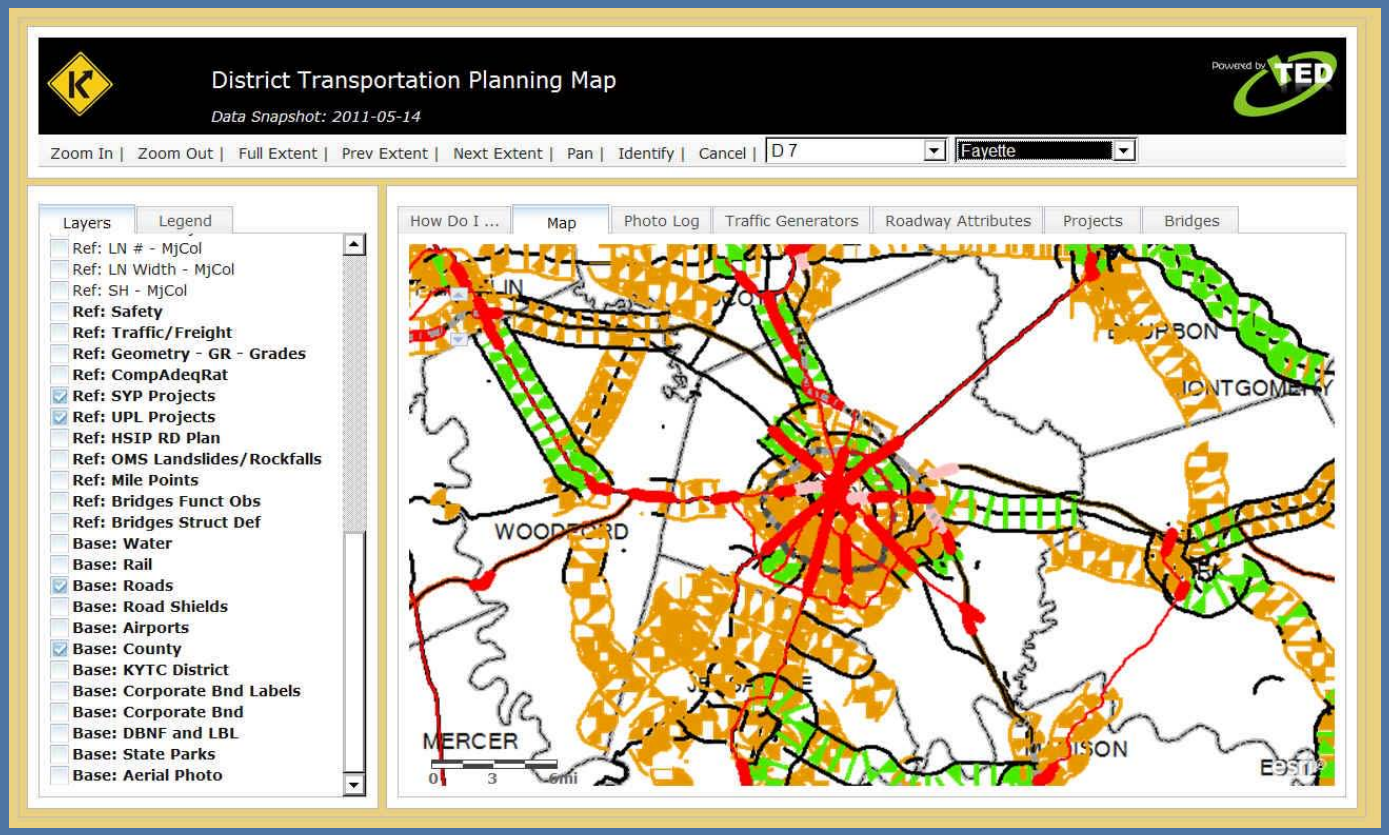
The District Transportation Plan

District Transportation Plan:
Review What We Know…

- Subjective/illogical prioritization process.
- Biennial Highway Plan submitted in Feb of even years.
- UNL – 2500+ projects / 6000+ miles / $60B.
- What's our plan?

District Transportation Plan: Nuts & Bolts…

- Determine Goals & Objectives
- Interactive Map to Identify Unknown Needs
- Prioritize & Document



District Transportation Plan:
More Work Ahead – Collaboration…

- Regularly Collaborate with ALL Stakeholders.
- Bring Transportation Interests to the Table… together!

Bluegrass Area Development District

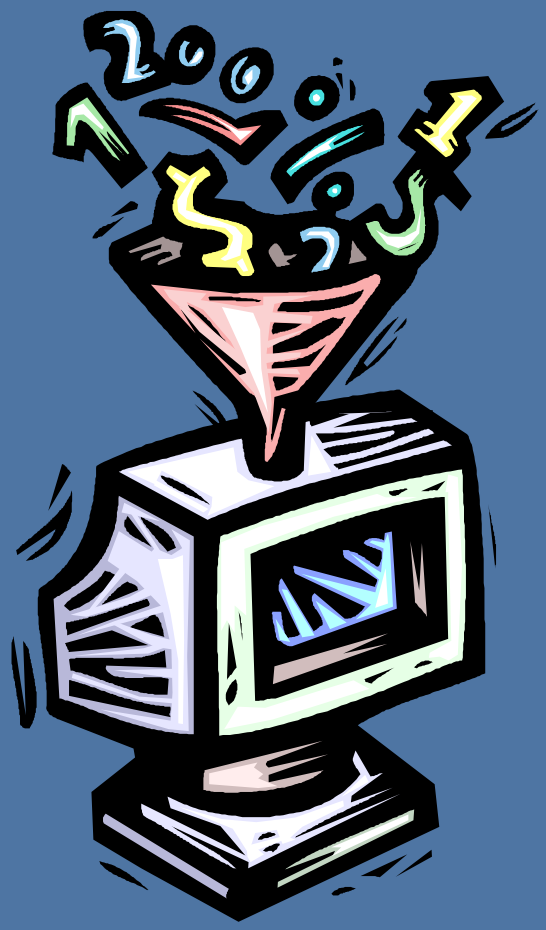
LEXINGTON AREA METROPOLITAN PLANNING ORGANIZATION

Kentucky Transportation Center

District Transportation Plan:
More Work Ahead – Data Analysis…

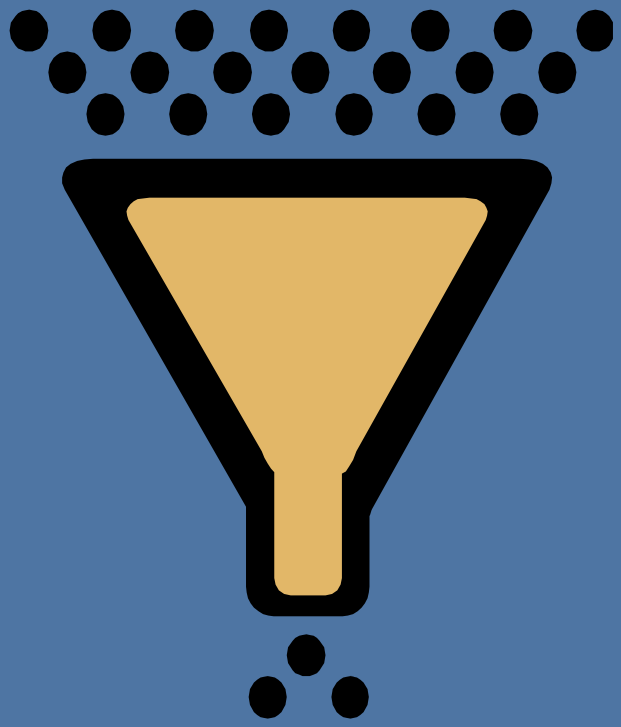
- Enhance Interactive Map to provide more info
  - Expanded crash information
  - Legislative boundaries
  - Land use plans
  - Education plans
  - Plus more!

- Develop a beneficial predictive model



District Transportation Plan:
More Work Ahead – Prioritization…

- Refine the prioritization process!

- Use the DTP Filter:
  - Goals & Objectives
  - Interactive Map
  - Stakeholder Input
  - X-Factors

- Rinse & Repeat!
  - DTP = better UNL
  - Better UNL = good UPL
  - Good UPL = improved SYP