Transportation Systems Branch Information
Transportation Systems Branch
Branch Manager - Carol Brent

• Systems Team
  - Crystal Casey
  - Bonnie Lynch
  - Dawn Mattingly
  - Gretchen Sanford
  - Josh Wentz
  - Ed Whittaker

• Cartography Team:
  - Bill Hieronymus
  - David Otte
Branch Responsibilities

- Mapping
- Systems designations
- Official Orders
- New alignment tracking
- Coal Haul Routing and Reporting
Mapping/Cartography

- Official Highway Map
- County/City/District maps
  - SPRS
  - Functional
  - Traffic Counts (by TEMAC)
- All counties/cities/districts on web
- Analysis and special project maps
- Interactive maps: HIS, RSR, Geonet
www.planning.kytc.ky.gov/maps.asp
County State Primary Road System
Urban State Primary Road System
Available Boundary Maps
ArcMap
HIS Interactive Map
http://kytcgis.ky.gov/his/
### Select where you want to **zoom**...

<table>
<thead>
<tr>
<th>Boundaries</th>
<th>Routes And Roads</th>
<th>Districts...</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>City:</strong></td>
<td><strong>Route</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td>1. <strong>County:</strong></td>
<td><strong>KYTC:</strong></td>
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<td></td>
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<tr>
<td><strong>County:</strong></td>
<td><strong>Route Prefix:</strong></td>
<td><strong>Highway Districts:</strong></td>
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<tr>
<td><strong>USGS Quad:</strong></td>
<td><strong>Enter Route Number:</strong></td>
<td><strong>Enter a KYTC Project Number:</strong></td>
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<tr>
<td></td>
<td>4. <strong>Milepoint:</strong></td>
<td><strong>Examples:</strong></td>
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<tr>
<td></td>
<td></td>
<td>3-275.01 or 10-270.30</td>
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<tr>
<td><strong>Enter a FIVE digit Zip Code:</strong></td>
<td><strong>Zoom to Route</strong></td>
<td><strong>Legislative:</strong></td>
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<tr>
<td></td>
<td><strong>Road/Street Name</strong></td>
<td><strong>US House:</strong></td>
</tr>
<tr>
<td></td>
<td>1. <strong>County:</strong></td>
<td><strong>KY Senate:</strong></td>
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<tr>
<td></td>
<td>2. <strong>Direction (N,S,E,W):</strong></td>
<td><strong>KY House:</strong></td>
</tr>
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<td>3. <strong>Enter Primary Name:</strong></td>
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<td>4. <strong>Type (Drive, Lane, Ave):</strong></td>
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<td>5. <strong>Post Direction (NE, SW):</strong></td>
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<tr>
<td></td>
<td><strong>Zoom to Road</strong></td>
<td></td>
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</tbody>
</table>
• Traffic counts
• County roads accepted or not
• 6-year plan projects with item numbers
System Data

- State Primary Road System
- Functional Classification
  - National Highway System
  - STRAHNET
- National Network
- Coal Haul Network
Central Office District Assignments for the State Primary Road System

Central Office Contact by District
- Bonnie Lynch
- Crystal Casey
- Dawn Mattingly
State Primary Road System

• KRS 177.020
• State ownership and maintenance
• Approximately 27,000 miles total
• Minimum 11,800 RS miles
• Maps and listings on web page
• Attempt to reduce state-maintained mileage but locals must pass resolution accepting
• Jurisdictional transfers report on web page
The State Primary Road System is an administrative system used to track roads within the state that are maintained by the Kentucky Transportation Cabinet. Roads, streets and/or highways are classified by the type of service and function the facility provides, as follows:

- **State Primary Routes:** Interstates (symbolized by black lines on the maps), parkways (symbolized by brown lines on the maps) and other long-distance, high-volume intrastate routes (symbolized by red lines on the maps) that are of statewide significance. These routes generally link major urban areas with the state.

- **State Secondary Routes:** Shorter distance routes of regional significance with both access to land use activity and mobility as their functions. These routes generally serve smaller cities and county seats within a region. Symbolized by green lines on the maps.

- **Rural Secondary Routes:** Routes of subregional significance with access to land use activity (such as farm-to-market routes) as their prime function or urban arterial streets or other collectors. Symbolized by yellow lines on the maps.

- **Supplemental Roads:** Routes that are state-maintained for various reasons but are not included in the higher classifications. They are generally short-distance routes such as frontage roads, cross roads or local access roads. Symbolized by purple lines on the maps.
Functional Classification

- FHWA guidelines on web page
- 23 CFR 470.105, 23 CFR 470.107
- On all state and local maintained roads
- Divided between urban and rural classes
- Generally similar to SPRS class
Functional Classes

- Rural Principal Arterial (Rural Interstates, Rural PA)
- Rural Minor Arterial
- Rural Collector Road (Rural Major Collector, Rural Minor Collector)
- Rural Local Road
- Urban Principal Arterial (Urban Interstates, Urban Freeways and Expressways)
- Urban Minor Arterial
- Urban Collector Street
- Urban Local Street

Descriptions of functional classifications can be found at http://www.planning.kytc.ky.gov/maps/SFCS/func_maps.asp
Other FHWA reporting classes

- National Highway System
  - Interstates & other significant principal arterials
  - Serve major travel needs
  - Meet national defense requirements
  - Interstate and interregional travel

- Strategic Highway Network (STRAHNET)
  - DOD’s public highway needs
Official Orders

- Legal acceptance of roadway into State System (KRS 177.020, 603 KAR 3:030)
- Designate route numbers and systems
**District Spreadsheets**

- **Fill in Remarks, if an Official Order is needed, Open to Traffic Date, Priority, and Type of Change columns of District Spreadsheet before sending back to Central Office for updates.**

<table>
<thead>
<tr>
<th>COUNTY</th>
<th>DT DUE</th>
<th>ROUTES</th>
<th>ITEM#</th>
<th>PROJ TYPE</th>
<th>INT</th>
<th>REMARKS</th>
<th>CENTRAL OFFIC</th>
<th>DIST</th>
<th>DIST</th>
<th>TYPE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Green - Other Sources</td>
<td>03-11-10</td>
<td>KU 21</td>
<td>115,000</td>
<td>Bypass</td>
<td>Yes</td>
<td>Per D-8 comp and end 08, several roads to county</td>
<td>3/02</td>
<td>3</td>
<td>3</td>
<td>9 OTHER</td>
</tr>
<tr>
<td>Blue - Current 6 yr Projects Awarded</td>
<td>03-30-11</td>
<td>KY 74</td>
<td>1620</td>
<td>Reconstr.</td>
<td>Yes</td>
<td>Signed resolution city &amp; county</td>
<td>3/02</td>
<td>3</td>
<td>3</td>
<td>9 OTHER</td>
</tr>
<tr>
<td>Red - Completed Projects 1996 - 2007</td>
<td>03-30-11</td>
<td>KY 100</td>
<td>200</td>
<td>New Align</td>
<td>Yes</td>
<td>Added per Josh</td>
<td>3/02</td>
<td>3</td>
<td>3</td>
<td>9 OTHER</td>
</tr>
</tbody>
</table>

For more detailed information, refer to the spreadsheet provided.
Requirements for O.O. preparation

- KRS 177.020(4) requires meeting with locals on bypassed segments before advertisement for bids
- Letter of offering bypassed roadbeds to local government and resolution accepting
- Recommendation for new systems
- Electronic plans in ProjectWise
- Plan Sheets that have been highlighted by the District that shows the Right-of-Way and old roadbed that is to be given away
- Questions answered by District about all affected roadbed
- Send information prior to construction
- Notify Planning as soon as traffic is on the road
Affected Roadbed Question Map

Graves/Calloway Counties 1-181.30/1-181.32
KY 80 Murray-Mayfield Rd.
New Route from KY 121/121X/97 to KY 1836
Roadbed Ownership Questions
XX-Routes

• Any bypassed roadbed or newly constructed roadbed, built by KYTC and that do not logically belong in the state system and are temporarily maintained by KYTC until ownership is resolved.

• XX Routes display on all interactive mapping as Supplemental/Local until a decision is made and documentation (O.O.) has been processed to transfer ownership.
National Truck Network (NN)

- Over-dimensional trucks (STAA)
- Designated once by report to FHWA
- Additions classified as state network
- 1 to 15 mile access to terminal or food, fuel or rest depending on road types
Coal Haul Network

- Compile data annually as reported by truckers
- Annual update of HIS
- Data supplied to Maintenance for review of bridges and used for designation of Extended Weight System

For more Coal Haul information go to http://www.planning.kytc.ky.gov/maps/coalhaul/coalhaul.asp
County Coal Haul Maps

2007 Coal Haul Highway System

FLOYD COUNTY

Legend:
- Red: Local Maintained Coal Haul Road
- Red: State Maintained Coal Haul Road
- Railroad
- State Maintained Road
- Local Maintained Road
- River
- Incorporated Area
- Lake
- County Boundary
- State Boundary

Miles
Questions???