MoDOT Data Resources

Statewide Planning Partner Meeting, Feb. 8, 2018

Central Office:

1) TMS (Transportation Management System) Maps:
    a. Visual display of data from various categories (safety, traffic, traveler information, STIP, bridge, etc.)
    b. Search function (by address, free text, GPS coordinates, structure, project, etc.)
    c. Identify specific route location

2) TMS Data Zone:
    a. AADT(passenger, commercial, motorcycle), traffic daily volumes
    b. VMT (state and all system) by functional class, planning org, etc.
    c. Mileage (lane and centerline) by urban/rural, planning org, county, etc.
    d. Pavement statistics (IRI, rut)
    e. ARAN video
    f. Travelway line diagram (average IRI, lanes, rumble strips, traffic volume, NHS, etc.)
    g. Crash statistics map (crash summaries by injury and personal injury level), access to crash reports

3) MoDOT Partner Collaboration Website:
    a. Data for FAST Act performance areas statewide and by MPO for:
        i. Safety
        ii. Transit
        iii. Pavement
        iv. Bridge
        v. Travel Time reliability
        vi. Freight reliability

4) Data analytics tool for NPMRDS (National Performance Management Research Data Set) to calculate each MPOs FAST ACT performance measure for:
    a. Interstate Travel Time Reliability Measure: Percent of Person-Miles Traveled on the Interstate that are Reliable
    b. Non-Interstate Travel Time Reliability Measure: Percent of Person-Miles Traveled on the Non-Interstate NHS that are Reliable
    c. Peak Hour Excessive Delay (PHED) Measure: Annual Hours of PHED Per Capita (single unified target for EWG, IDOT, MoDOT)
    d. Freight Reliability Measure: Truck Travel Time Reliability (TTTR) Index

5) Spatial Transportation Data posted on ftp site:
    a. Geodatabase to be used in a map or as a table in Microsoft Access:
        i. Spatial location of accidents
        ii. Spatial location of bridges
        iii. Spatial location of pavement and roadway features such as AADT, center line or lane miles, functional class, etc.
        iv. Spatial location of signalized intersections
        v. Metadata sheets for explaining the tables
    b. Five years of historical data provided on an annual basis

Districts:

1) NE District (Tom Batenhorst)
    a. Needs Data Sheet – This is provided to the RPC TAC's for each of their needs to help them rank/prioritize. Depending on the need, a location map and pictures are provided along with ADT, % Trucks, Crash data (accident rate and/or # of accidents), Bridge data (ratings, postings, year built), IRI, and Roadway and shoulder width.

2) SW District (Frank Miller): Data for TIP Programming, General Programming Information
    a. Funding Targets
    b. Project Data: budget (including funding sources), letting year
    c. Cost Share/Cost Apportionment Agreements
    d. Funds balances reports (e.g. STBG, published by Financial Services online)
    e. Funding Distributed to Cities and Counties (published by Financial Services online)

3) SL District (Wesley Stephen)
    a. Functional Classification maps
    b. Accountability reports
    c. List of qualified and approved design consulting firms eligible to perform design services for local public agencies (published by Design Division online)
    d. Quarterly Division Tracker reports

4) CD (Steve Engelbrecht)
    a. Excel file identifying transportation needs with supporting data that includes AADT, truck volume, year bridge built, pavement condition and crash history.

5) SE District (Mike Brandon)
    a. List of Administrative Amendments and Administrative Modification amendments to MPOs
    b. New projects from the annual STIP update, including LPA projects.
    c. Project submission form categorized by Taking Care of the System, Low Volume, Safety and Capacity/Expansion
    d. Presentation on transportation costs, with a focus on Taking Care of the System and safety needs
    e. Asset management presentation showing the number of miles of roads in each class of road in the district, which includes bridges. Discussion of how we arrived at our asset management plan.
    f. Discussion of STIP Development Timeline which incorporates asset management and their timeline for needs submission.