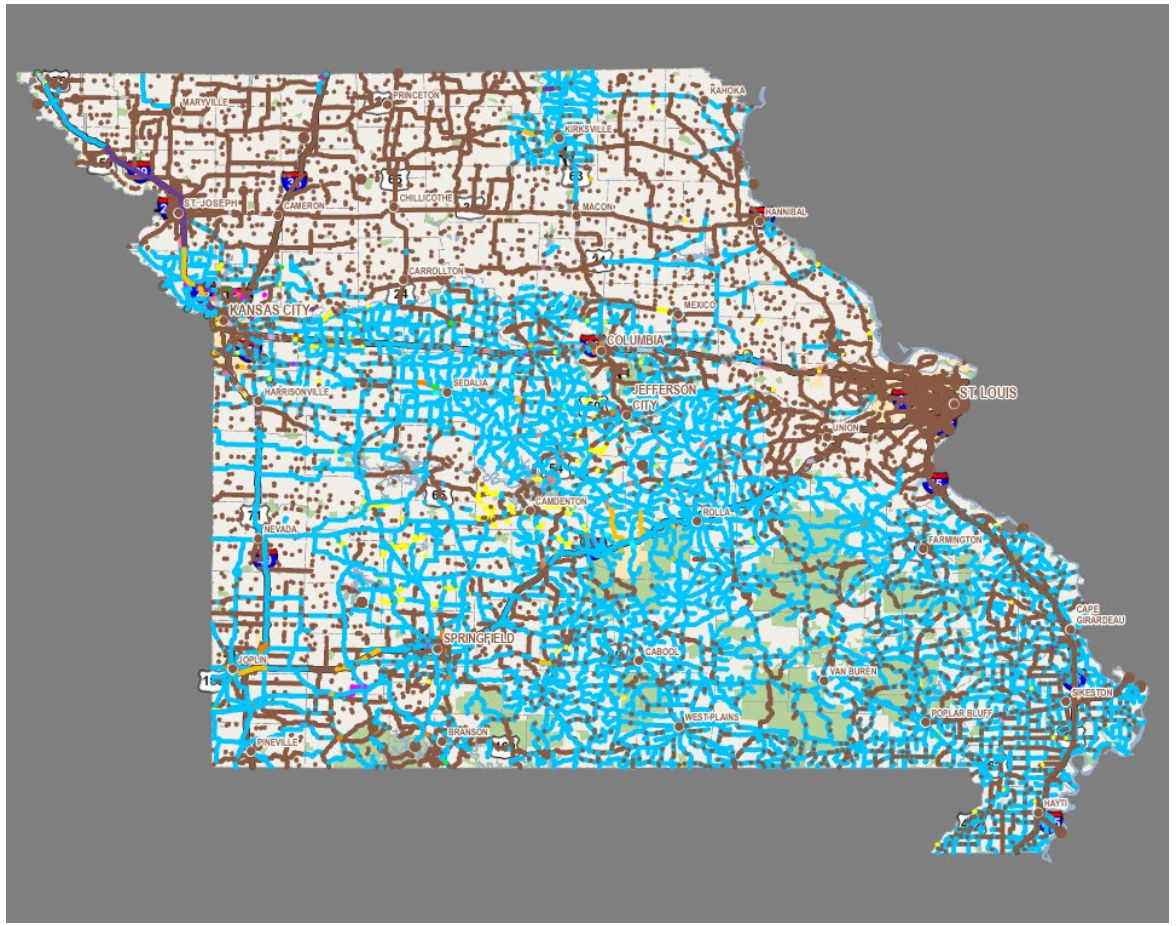


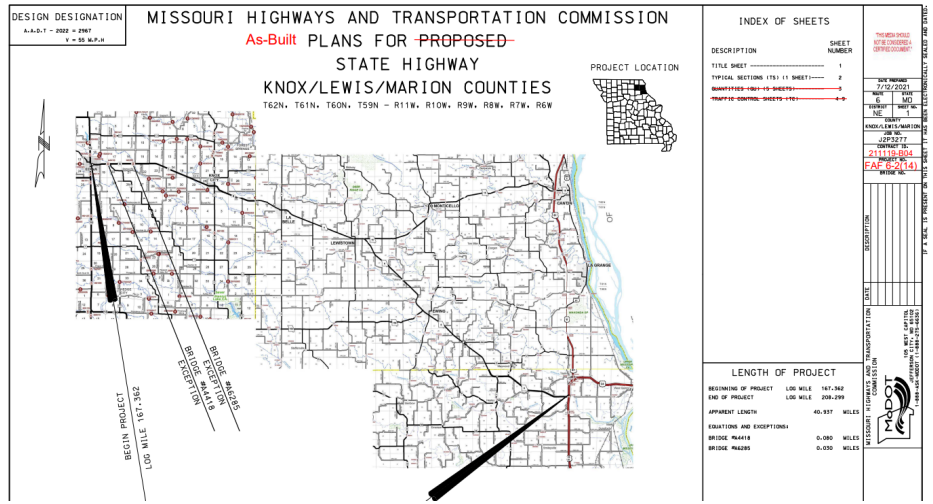

2025 TEAM Conference

March 13, 2025

# MoDOT'S AS-BUILT PLANS APPLICATION

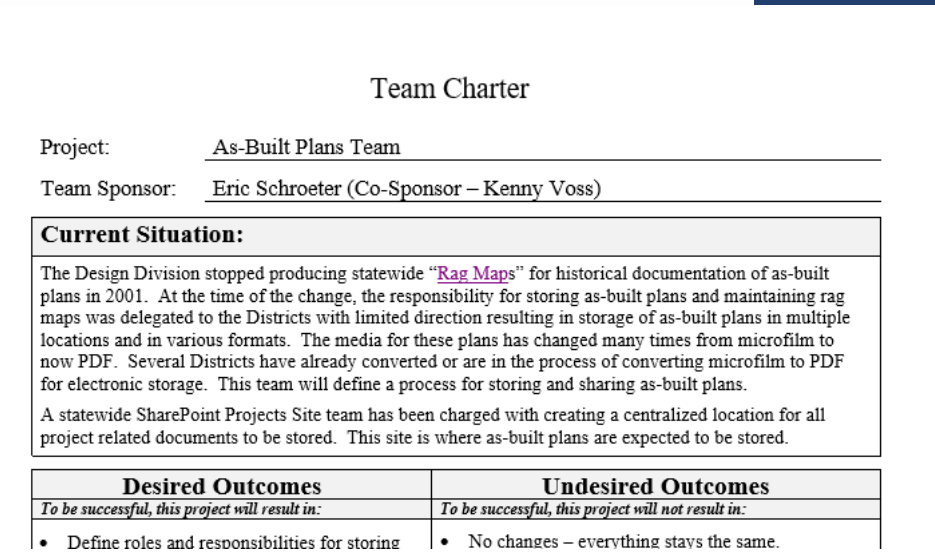
*Ashley Buechter and Brenda Harris*

# WHERE IT STARTED




As-built plans:

- Set of design plans representing what was built in the field



Team Charter

Project: As-Built Plans Team

Team Sponsor: Eric Schroeter (Co-Sponsor – Kenny Voss)

**Current Situation:**

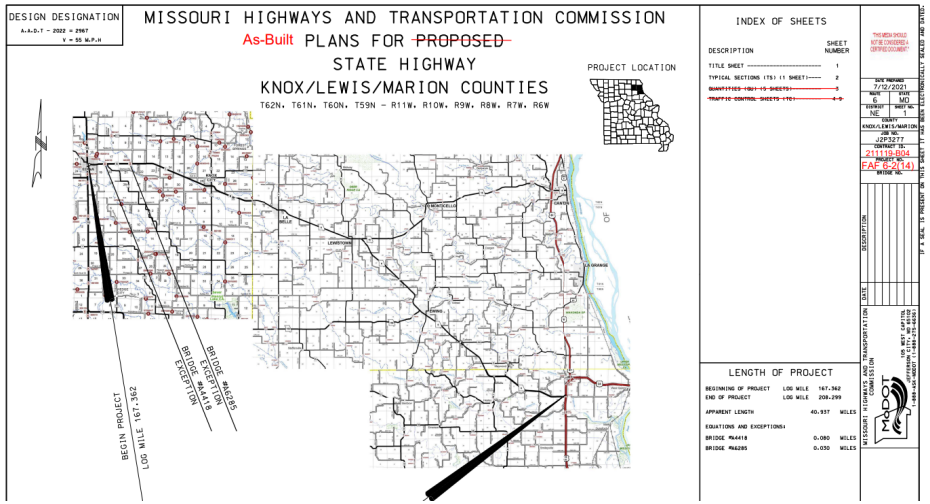
The Design Division stopped producing statewide "Rag Maps" for historical documentation of as-built plans in 2001. At the time of the change, the responsibility for storing as-built plans and maintaining rag maps was delegated to the Districts with limited direction resulting in storage of as-built plans in multiple locations and in various formats. The media for these plans has changed many times from microfilm to now PDF. Several Districts have already converted or are in the process of converting microfilm to PDF for electronic storage. This team will define a process for storing and sharing as-built plans.

A statewide SharePoint Projects Site team has been charged with creating a centralized location for all project related documents to be stored. This site is where as-built plans are expected to be stored.

| Desired Outcomes | Undesired Outcomes |
|---|---|
| *To be successful, this project will result in:* | *To be successful, this project will not result in:* |
| • Define roles and responsibilities for storing | • No changes – everything stays the same. |

# WHERE IT STARTED

- The problem:
  - 2001: Statewide “Rag Maps” stopped being produced
  - No centralized storage; duplication of effort and resources
  - External requests
- Create statewide team to develop the as-built plans maps


MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
As-Built PLANS FOR ~~PROPOSED~~
STATE HIGHWAY
KNOX/LEWIS/MARION COUNTIES
T62N, T61N, T60N, T59N – R11W, R10W, R9W, R8W, R7W, R6W
PROJECT LOCATION
INDEX OF SHEETS
LENGTH OF PROJECT

Team Charter

Project: As-Built Plans Team

Team Sponsor: Eric Schroeter (Co-Sponsor – Kenny Voss)

**Current Situation:**

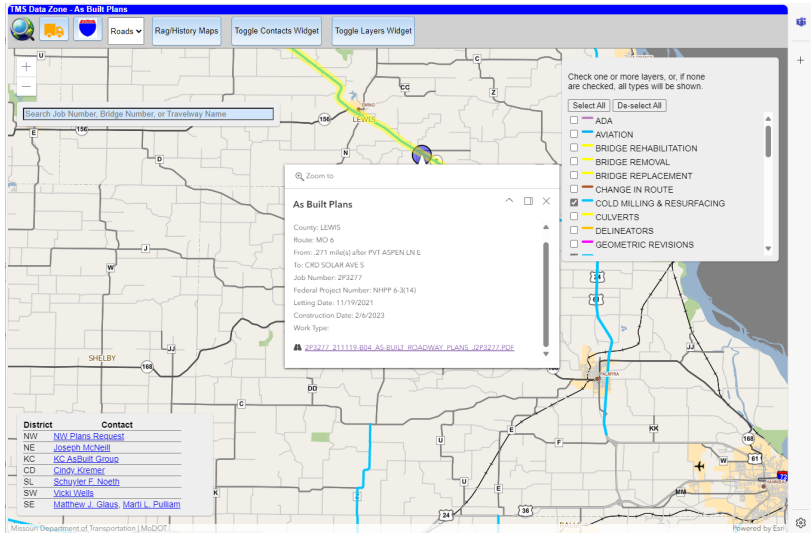
The Design Division stopped producing statewide “Rag Maps” for historical documentation of as-built plans in 2001. At the time of the change, the responsibility for storing as-built plans and maintaining rag maps was delegated to the Districts with limited direction resulting in storage of as-built plans in multiple locations and in various formats. The media for these plans has changed many times from microfilm to now PDF. Several Districts have already converted or are in the process of converting microfilm to PDF for electronic storage. This team will define a process for storing and sharing as-built plans.

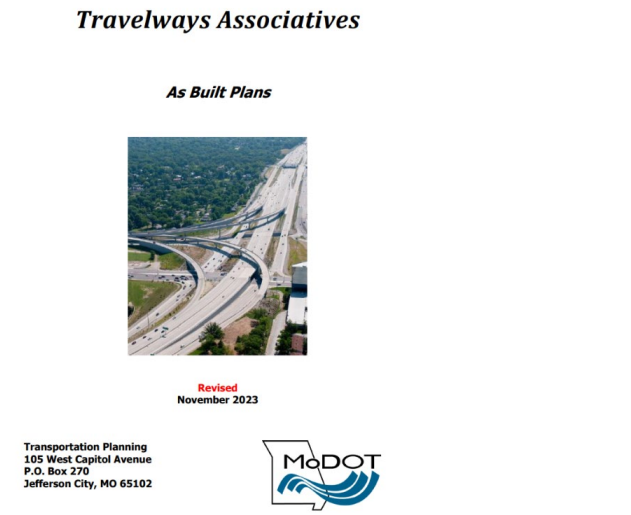
A statewide SharePoint Projects Site team has been charged with creating a centralized location for all project related documents to be stored. This site is where as-built plans are expected to be stored.

| Desired Outcomes | Undesired Outcomes |
|---|---|
| *To be successful, this project will result in:* | *To be successful, this project will not result in:* |
| • Define roles and responsibilities for storing | • No changes – everything stays the same. |

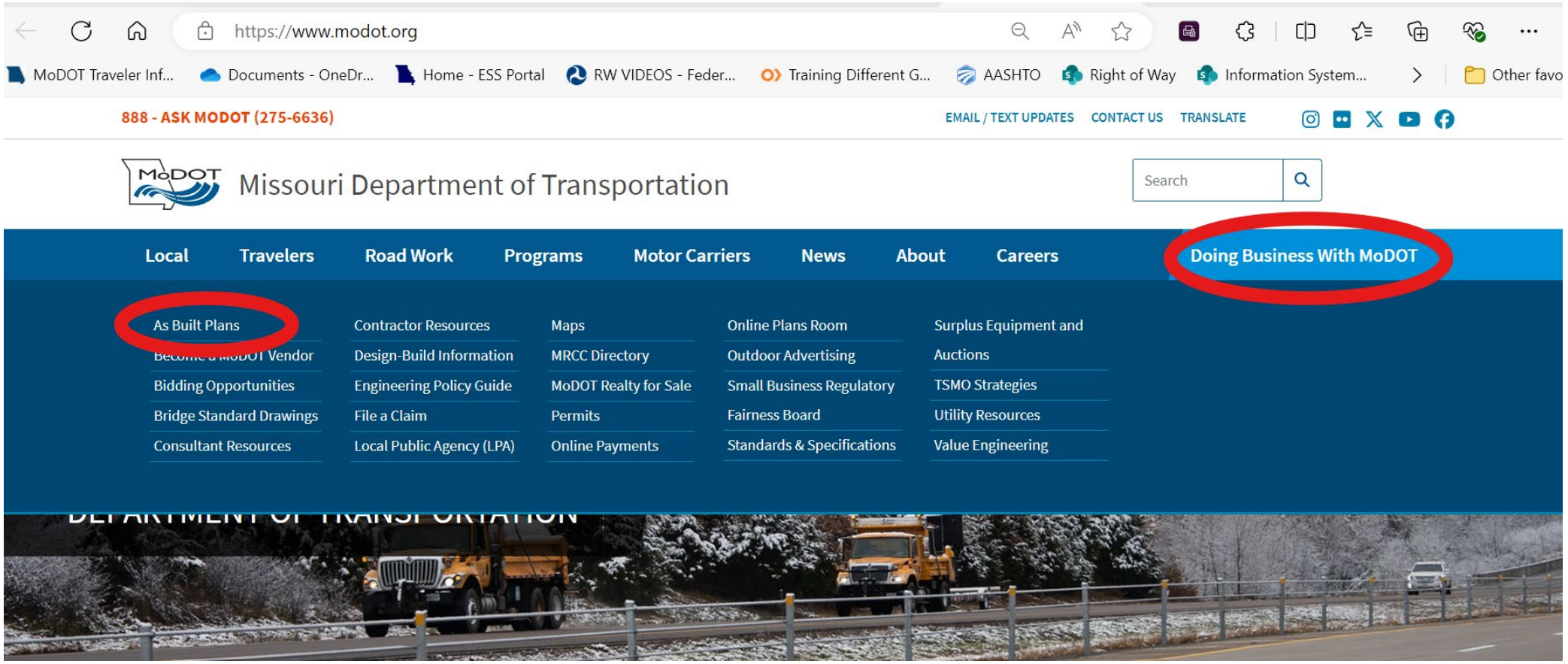
# WHERE WE HAVE BEEN

- 2015: Formation of statewide team
- Development
- Populating the map
- How to access the map
  - Internal and external access
- Bridge plans
- Training

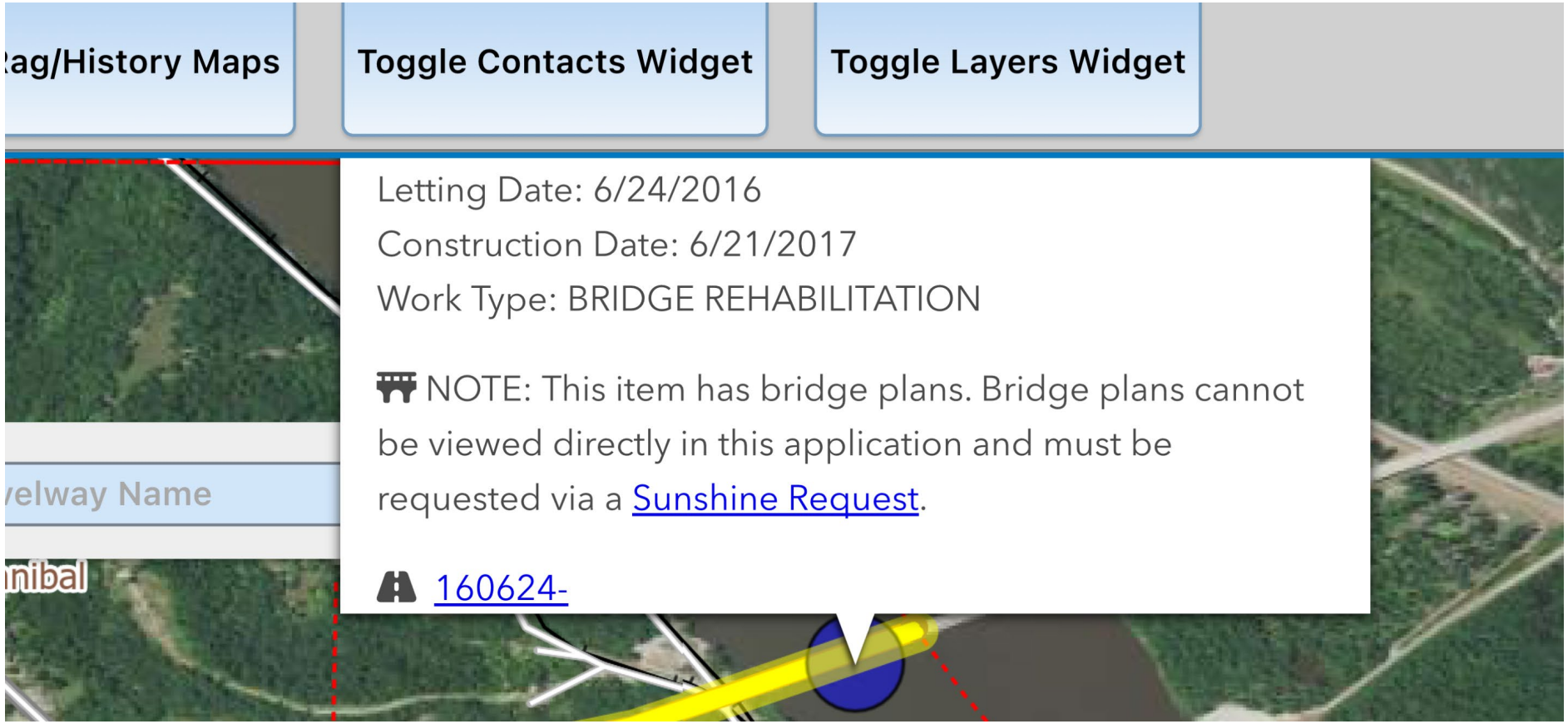


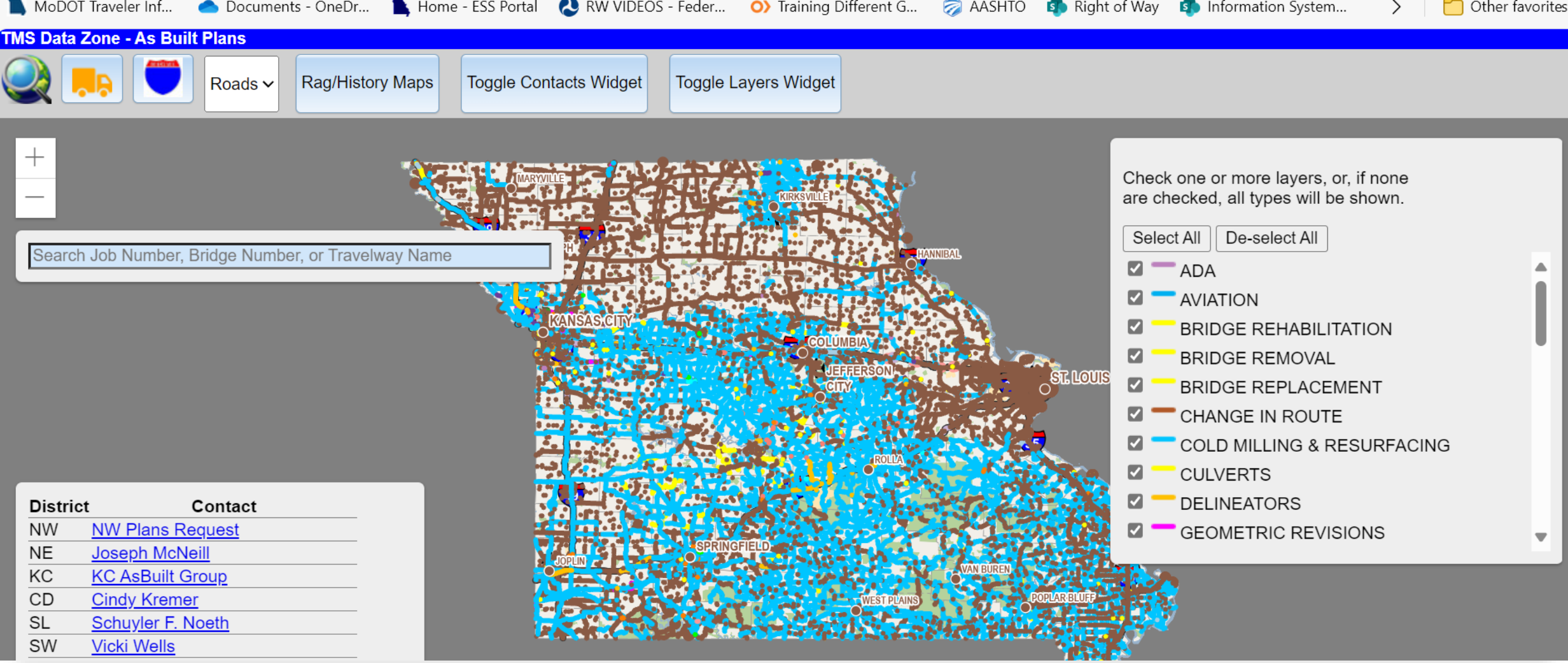



# ACCESSING THE MAP

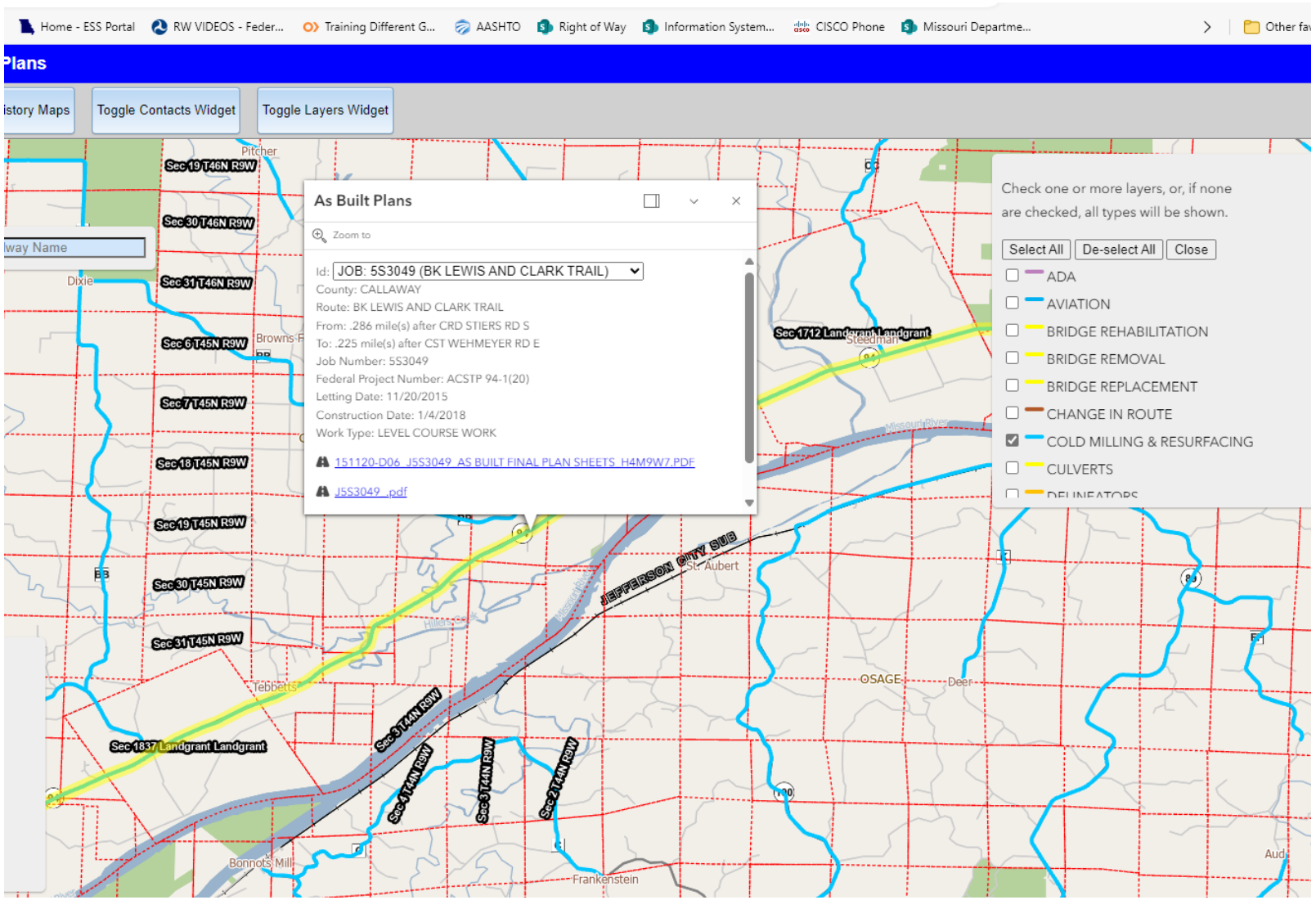


# BRIDGE PLANS



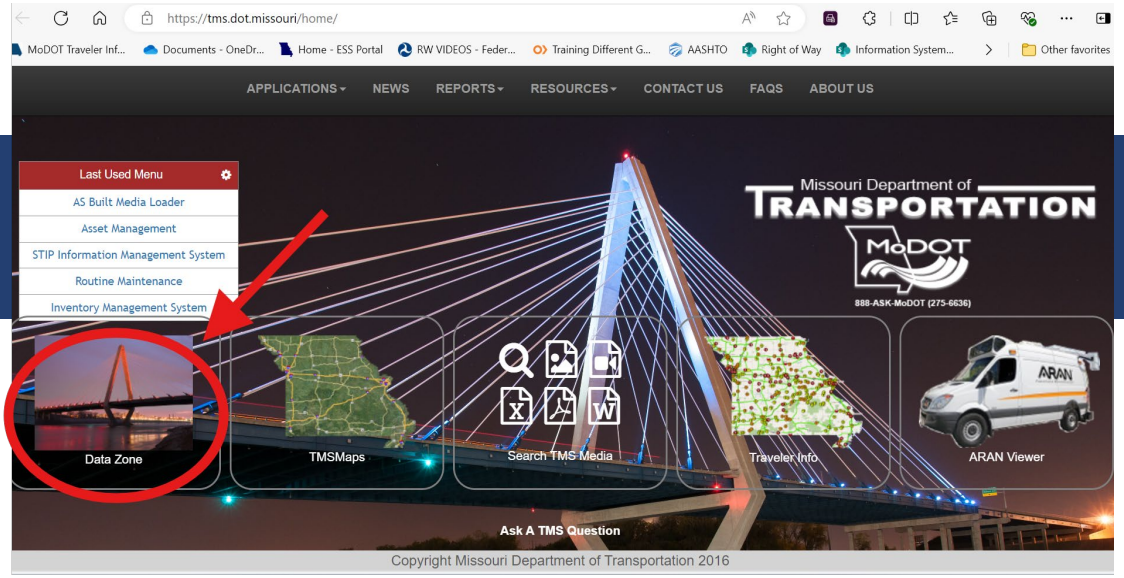


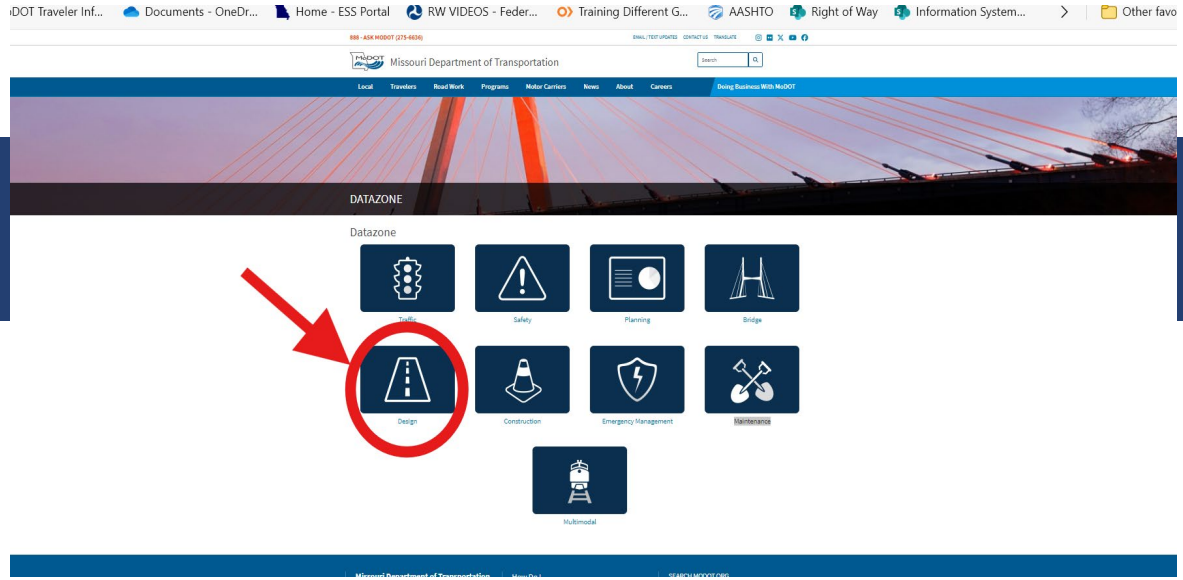

# ACCESSING THE MAP

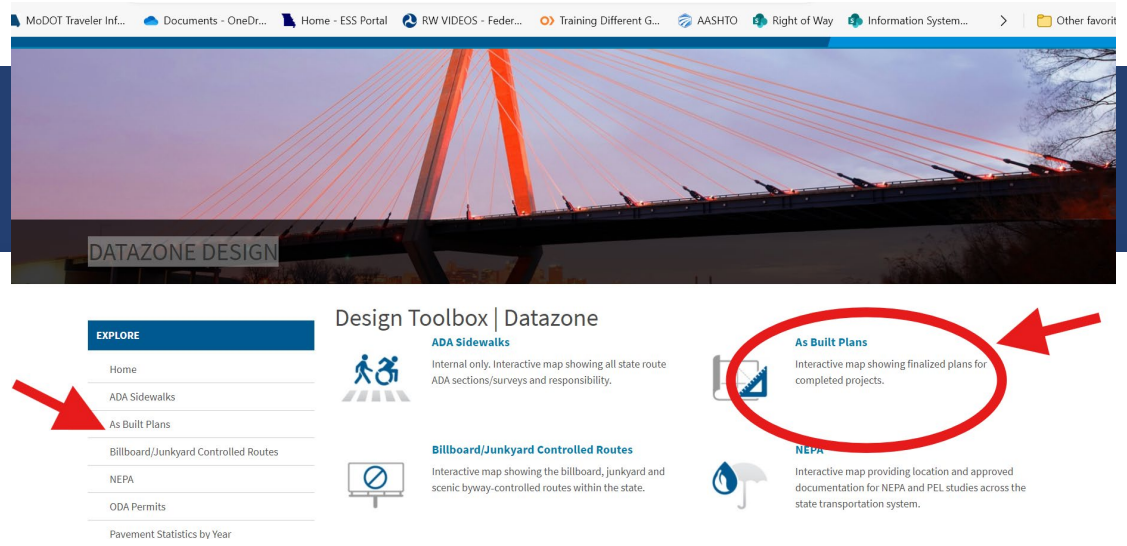


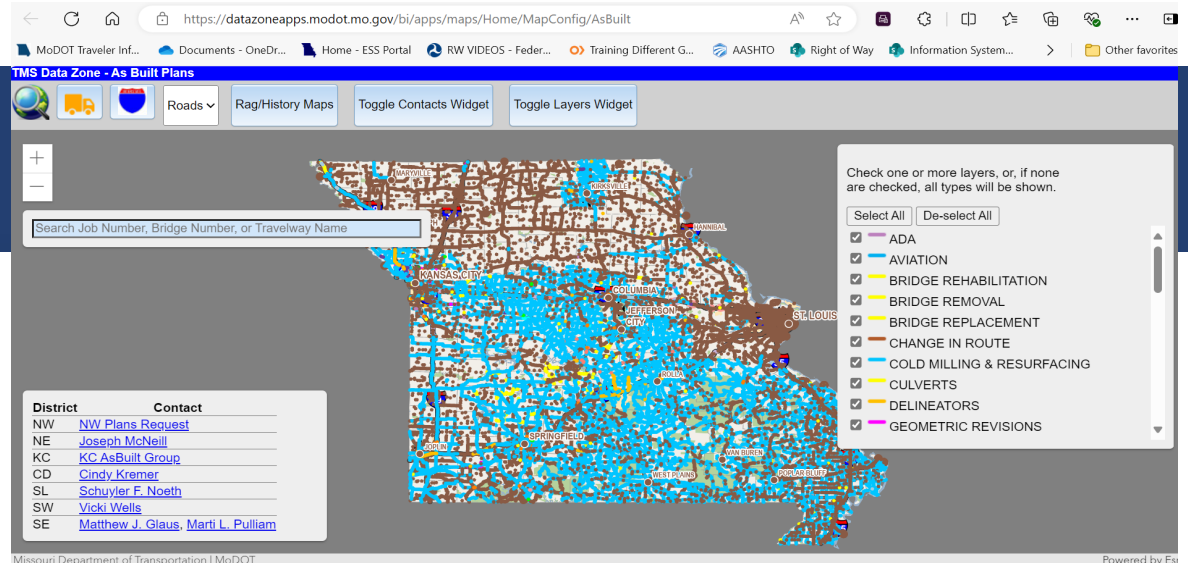

# ACCESSING THE PLANS PDF

# INTERNAL MoDOT – ACCESSING TMS



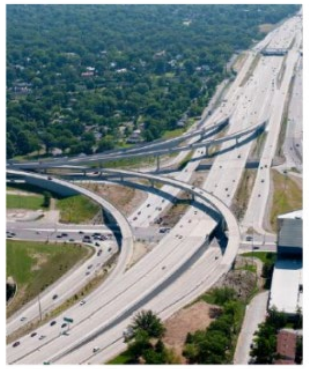



# TRAINING

***Travelways Associatives***

***As Built Plans***



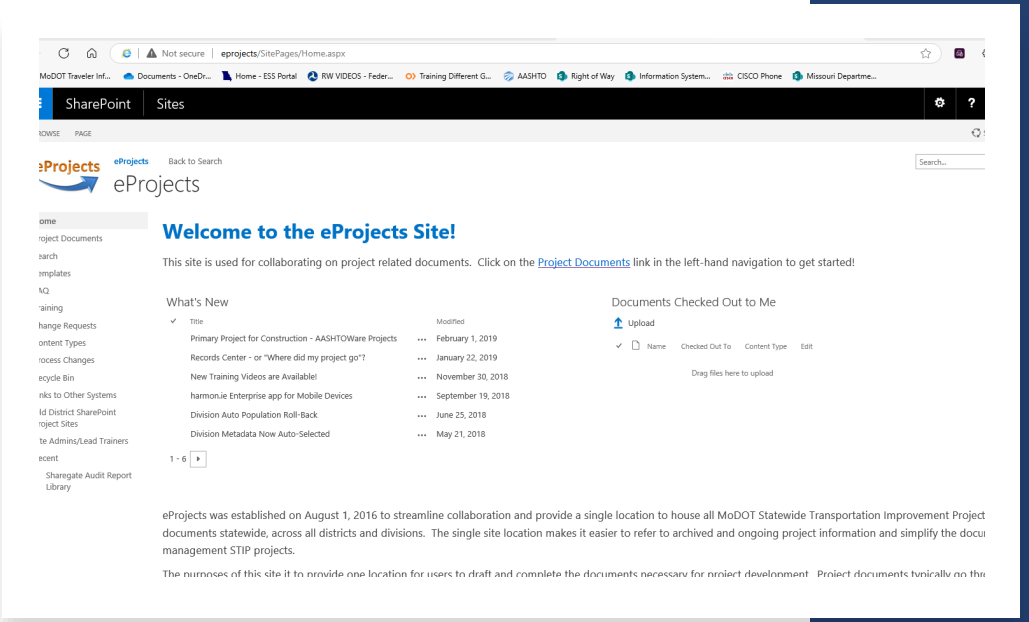
**Revised**
**November 2023**

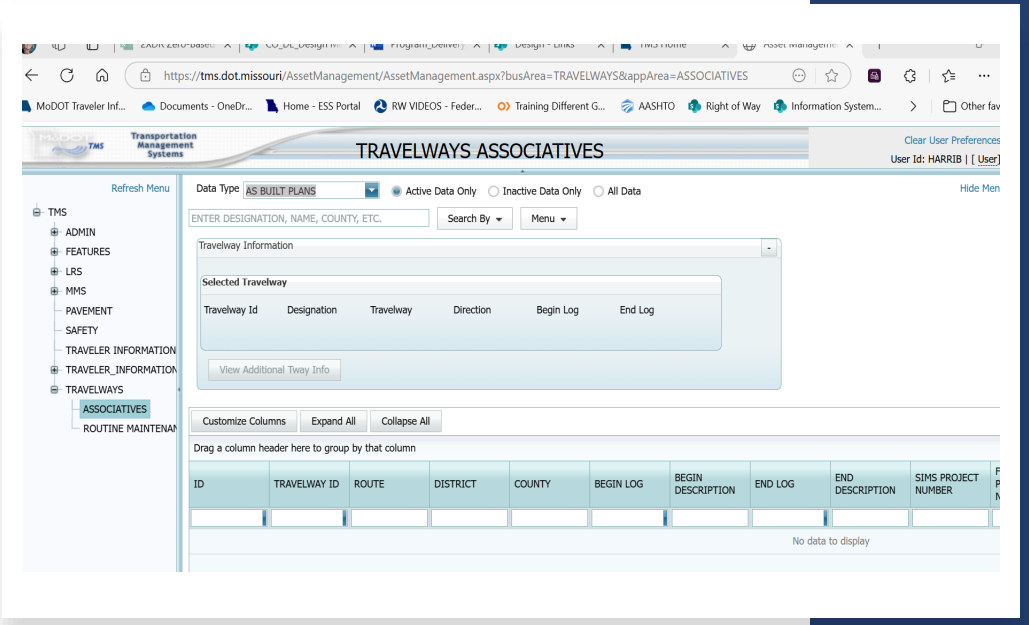
**Transportation Planning**
**105 West Capitol Avenue**
**P.O. Box 270**
**Jefferson City, MO 65102**

| | | | |
|---|---|---|---|
| **Central Office Design** | | | |
| | Brenda Harris | (573) 751-7458 | brenda.harris@modot.mo.gov |
| | Ashley Buechter | (573) 526-6997 | ashley.buechter@modot.mo.gov |
| Planning | Deann Wieberg | (573) 522-8464 | deann.wieberg@modot.mo.gov |
| **Northwest** | | | |
| | Jeff Burns | (816) 387-2410 | jeffrey.burns@modot.mo.gov |
| | Russ O'Daniell | (816) 387-2409 | Russel.O'Daniell@modot.mo.gov |
| **Northeast** | | | |
| | Joe McNeill | (573) 248-2484 | joseph.mcneill@modot.mo.gov |
| **Kansas City** | | | |
| | Regina Shipley | (816) 607-2223 | Regina.Shipley@modot.mo.gov |
| **St. Louis** | | | |
| | Schuyler Noeth | (314) 453-1821 | schuyler.noeth@modot.mo.gov |
| **Central** | | | |
| | Cindy Kremer | (573) 522-5266 | Cindy.Kremer@modot.mo.gov |
| **Southwest** | | | |
| | Vicki Wells | (417) 895-7663 | Vicki.Wells@modot.mo.gov |
| **Southeast** | | | |
| | Matt Glaus | (573) 472-6599 | matthew.glaus@modot.mo.gov |
| | Marti Pulliam | | Marti.Pulliam@modot.mo.gov |
| | Anita Clark | (573) 472-5896 | Anita.Clark@modot.mo.gov |
| | Sheryl Wunderlich | (573) 472-5289 | sheryl.wunderlich@modot.mo.gov |

# WHERE WE ARE GOING

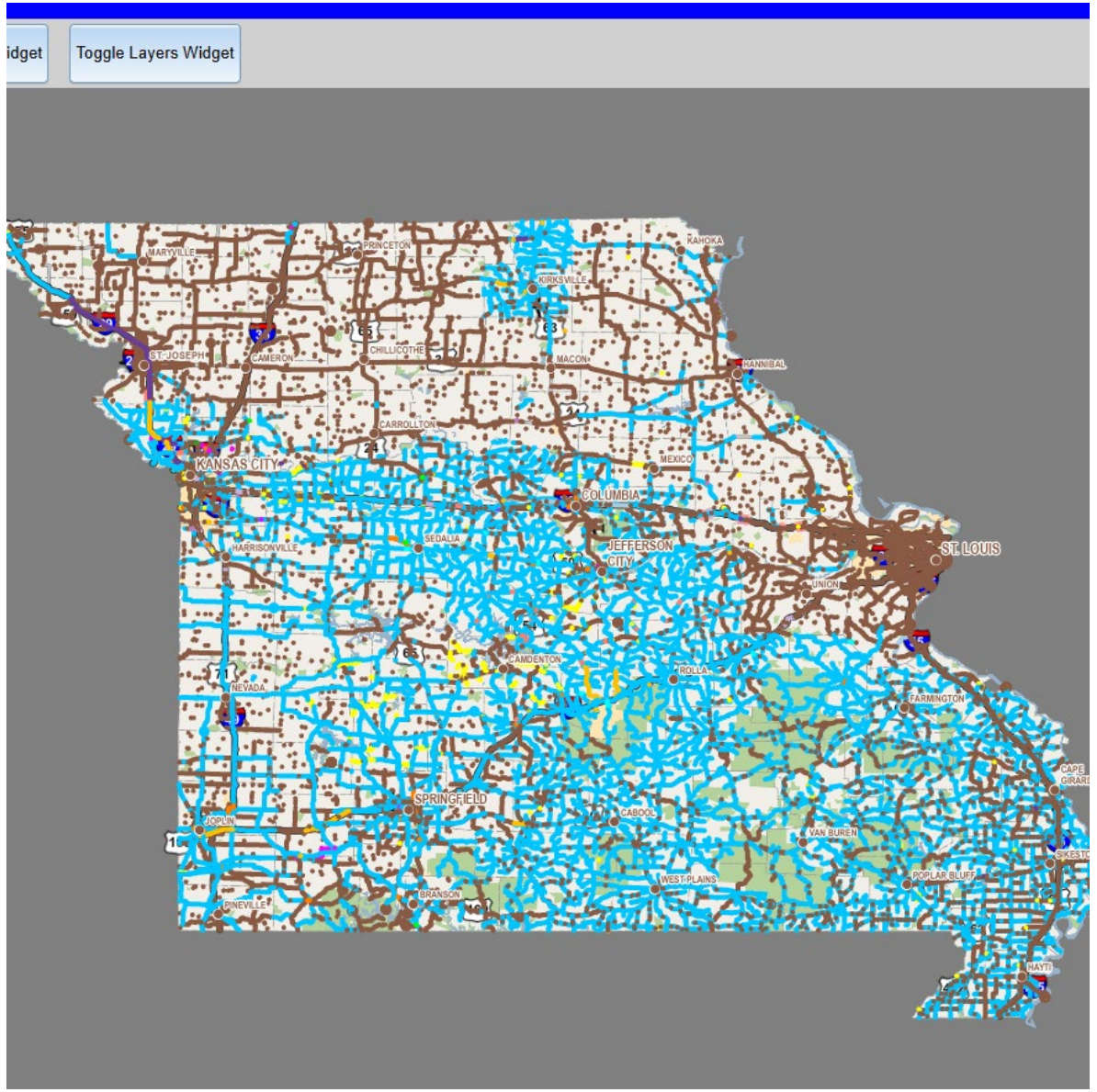
- Continue to populate:
  - eProjects
  - Manual entry
  - Batch projects
- Future application plans:
  - Periodic Team meeting
  - Information gathering
  - New systems across the nation



# THE AS-BUILT SYSTEM (LIVE DEMO)

# THANK YOU!


Toggle Layers Widget
MARYVILLE
PRINCETON
KIRKSVILLE
KAHOKA
ST. JOSEPH
CAMERON
CHILLICOTHE
MACON
HANNIBAL
CARROLLTON
KANSAS CITY
MEXICO
COLUMBIA
HARRISONVILLE
SEDALIA
JEFFERSON CITY
ST. LOUIS
UNION
CAMDENTON
ROLLA
NEVADA
FARMINGTON
SPRINGFIELD
JOPLIN
CABOOL
VAN BUREN
WEST PLAINS
POPLAR BLUFF
BRANSON
PINEVILLE
HAYTI