

LOGAN UNION CHAMPAIGN COUNTY REGIONAL PLANNING COMMISSION

Freight Study

2/8/2018



LUC RPC Freight Study - Overview

- Study Context
- Study Goals
- Stakeholder Involvement
- Crash Analysis
- Site Visit
- Recommendations for Further Study



LUC-RPC Freight Study - Context

- Access Ohio 2040
 - Statewide Freight Study
 - Established STS
 - Directed Regional Freight Studies
- US 68 & SR 31 2 Lane Study
 - Second ODOT Regional Freight Study
 - Stakeholder Outreach



Access Ohio 2040



US 68 & SR 31 2 Lane Study

US 68

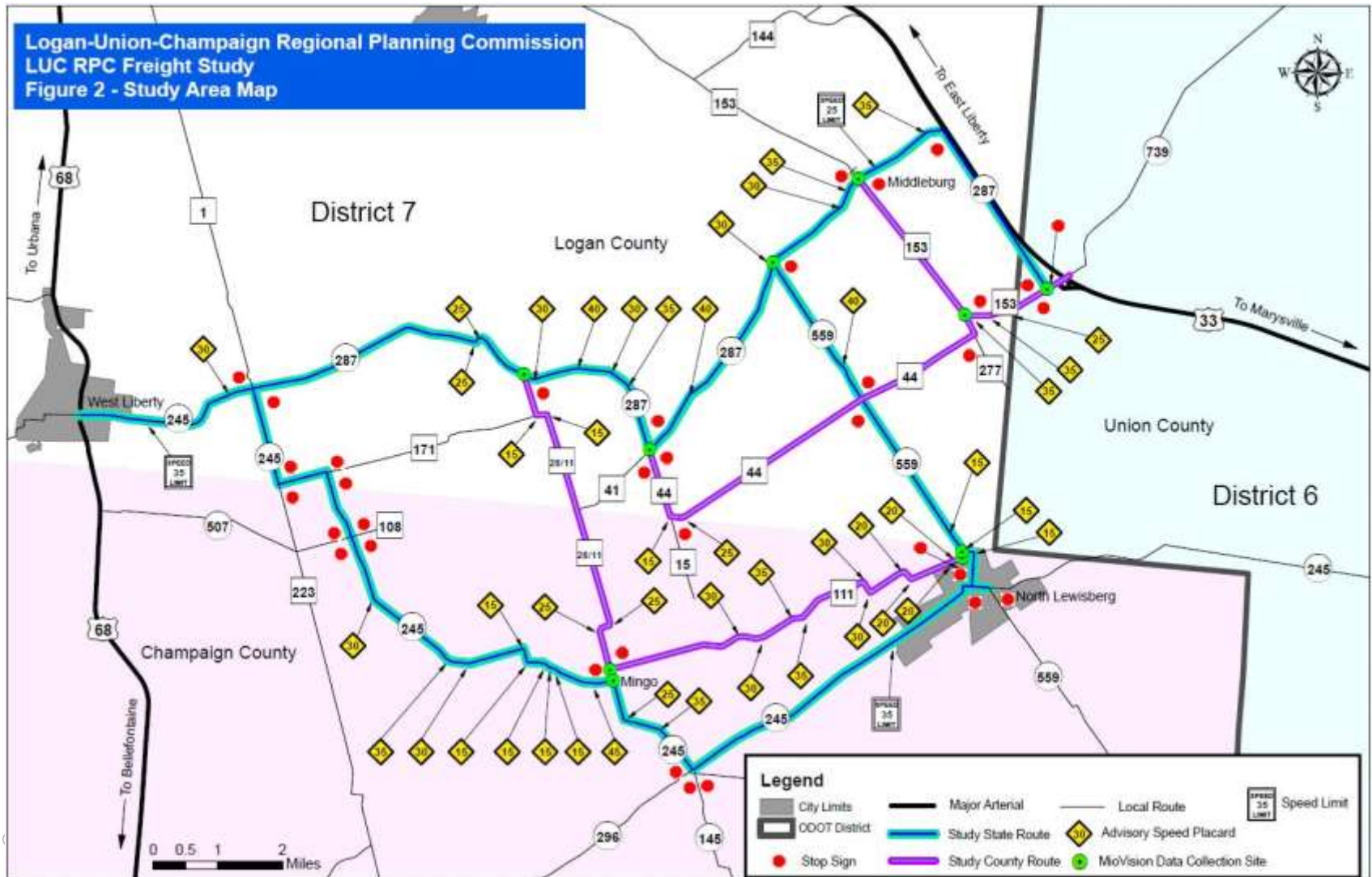
- North of Urbana
- Findlay
- 70.0 Miles



SR 31

- Marysville to Kenton
- 30.0 Miles

LUC RPC Freight Study



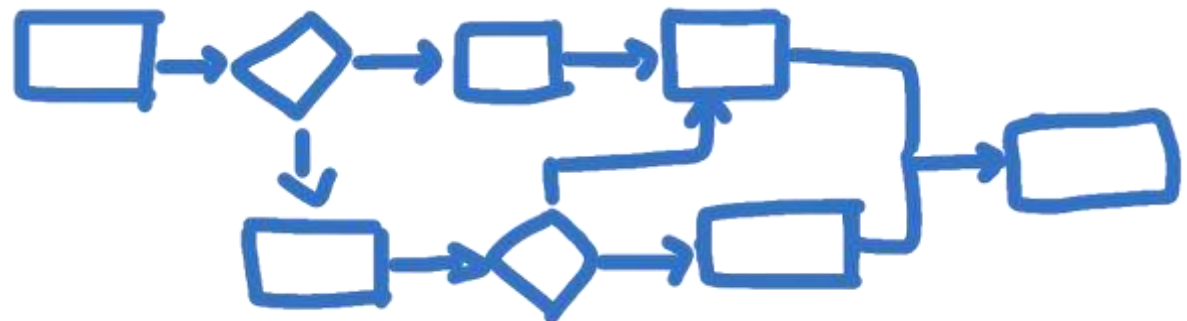
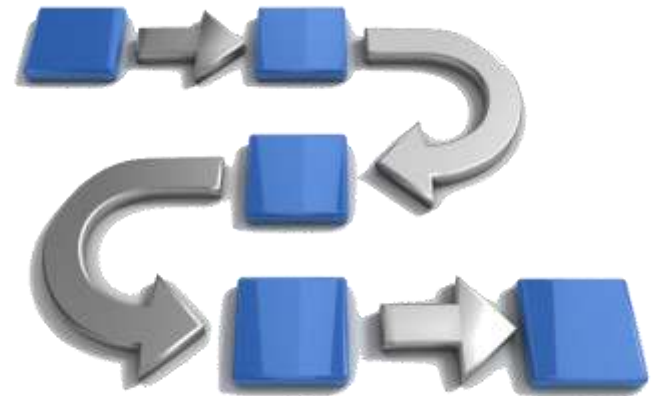
LUC RPC Freight Study - Goals

- Examine Existing Conditions
- Examine Ways to Improve Safety
- Examine Ways to Potentially Improve Efficiency
- Keep Trucks on the State Routes



LUC RPC Freight Study - Process

- LUC RPC Freight Study
 - Stakeholder Outreach
 - 7 State and County Routes
 - 50 Miles
 - Crash Analysis
 - Traffic Data
 - Summarize Existing Conditions
 - Recommendations for Further Study



Kick Off Meeting/Stakeholder Outreach & Data Collection

- Kickoff Meetings
 - LUC RPC
 - Champaign County
 - Logan County
- Stakeholder Interviews
 - Clark County Metropolitan Planning Organization
 - City of Urbana
 - One World Logistics
 - Ohio State Highway Patrol



Crash Analysis – Power BI

- ODOT TIMS
- 2014 to 2016
- 178 Crashes
 - 10% Involved Freight
 - 25% Involved Injury
 - 40% Occurred in Low Light
 - 29% on Wet/Icy Pavement
- Fixed Object – 28%
- Animal Strikes – 21%
- Rear-End – 14%
- Angle – 12%

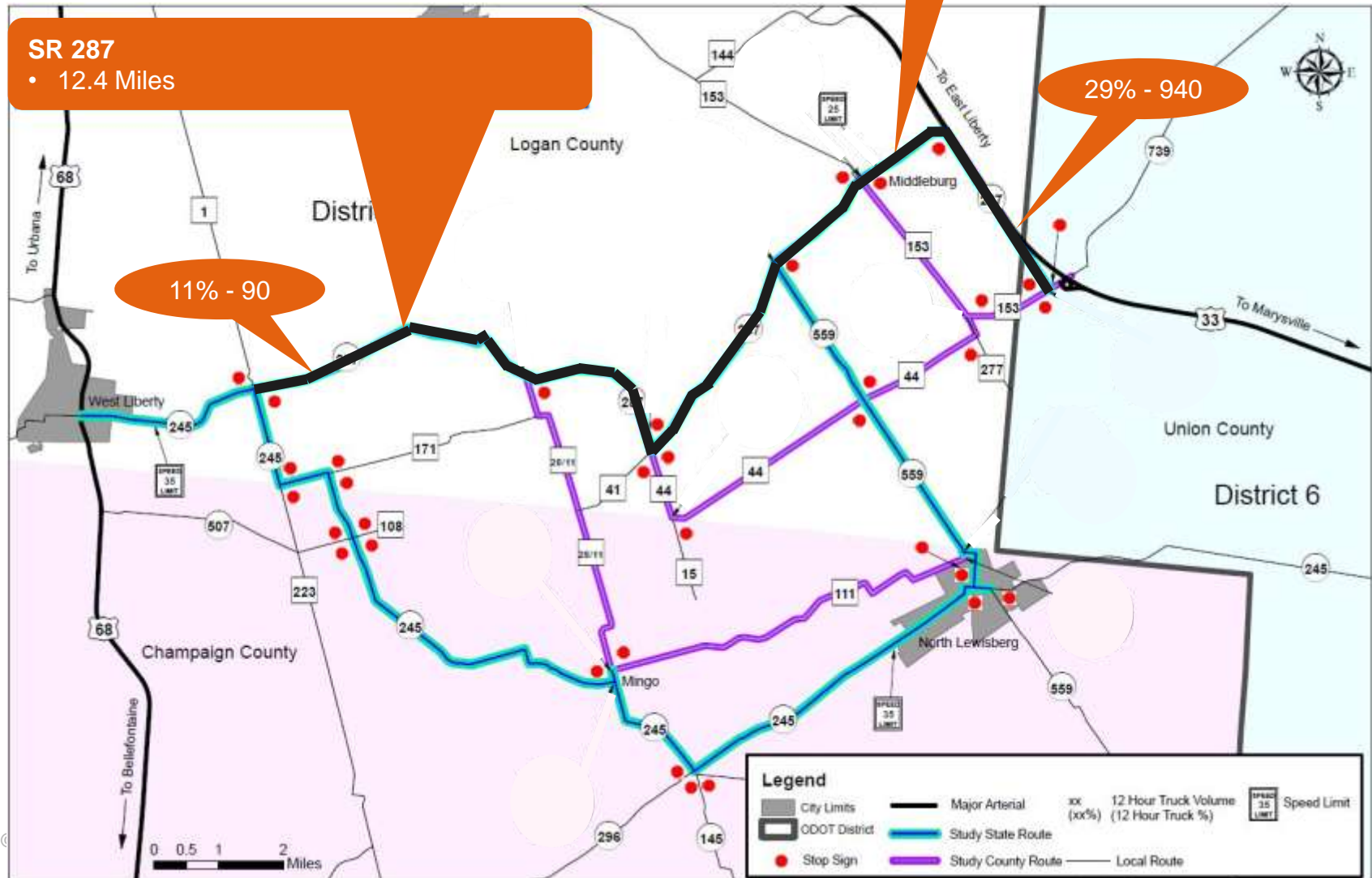


Crash Analysis – Power BI

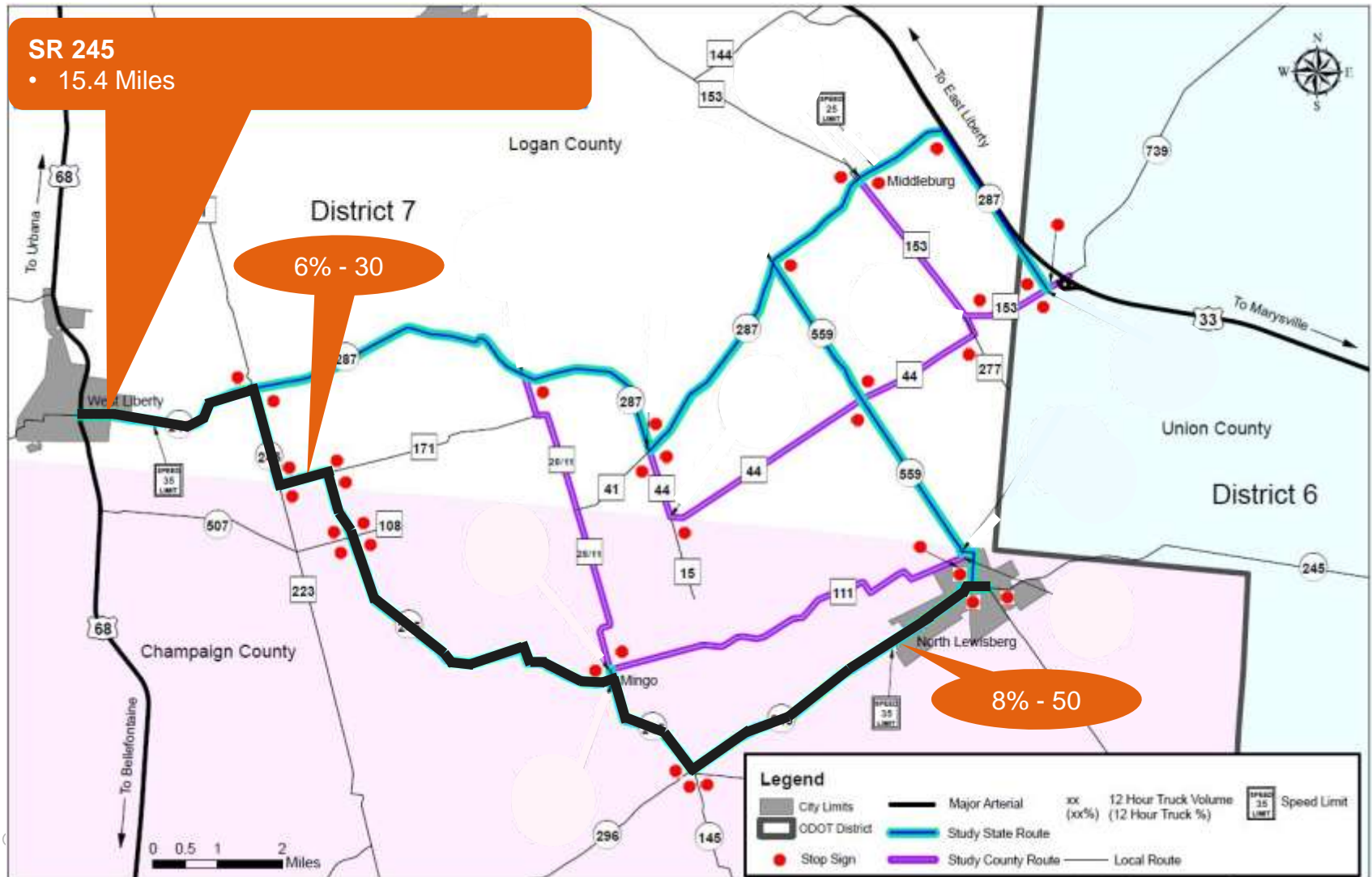
Logan-Union-Champaign Regional Planning Commission - LUC RPC Freight Study - Crash Analysis



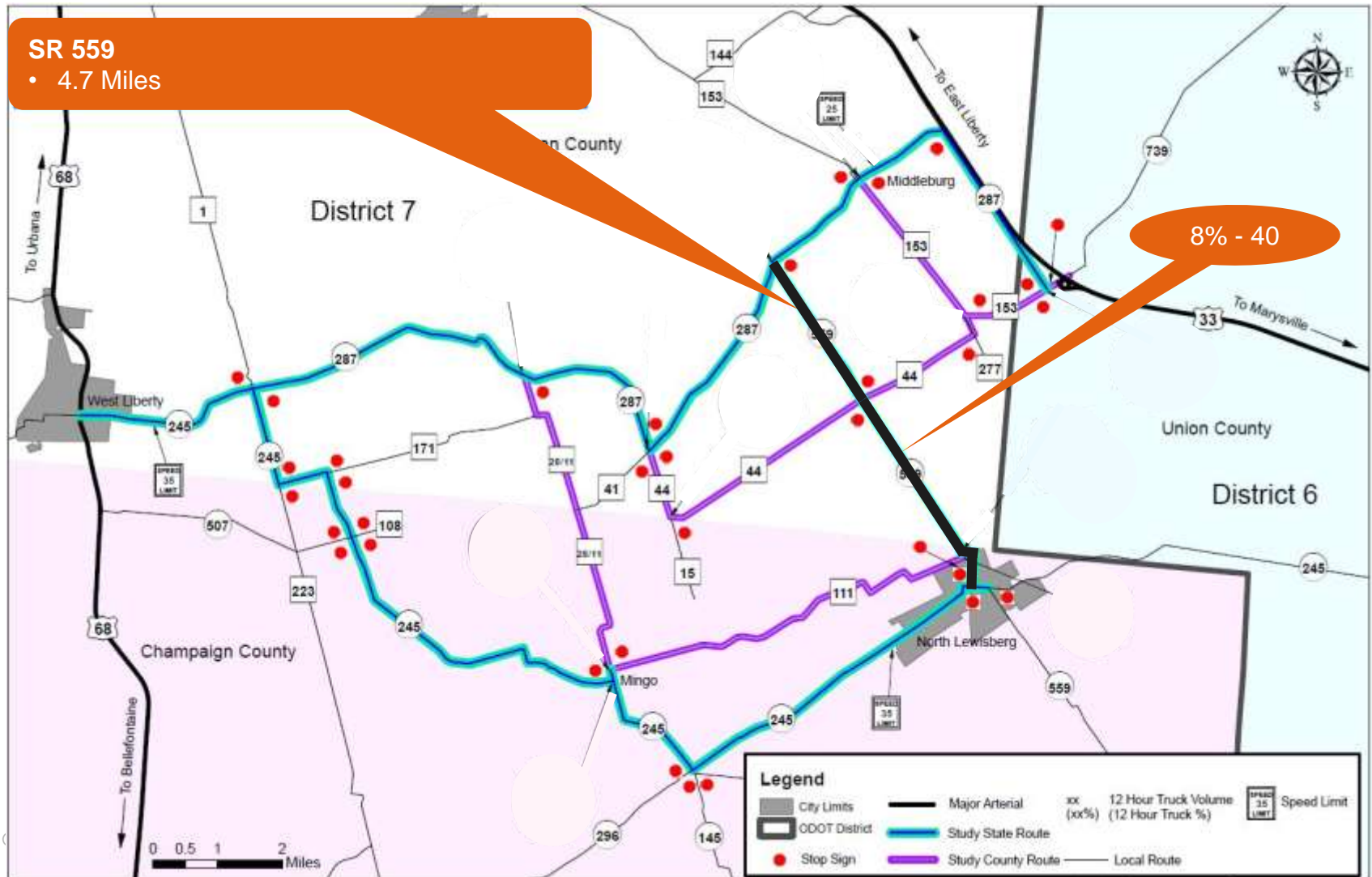
LUC RPC – 7 Routes



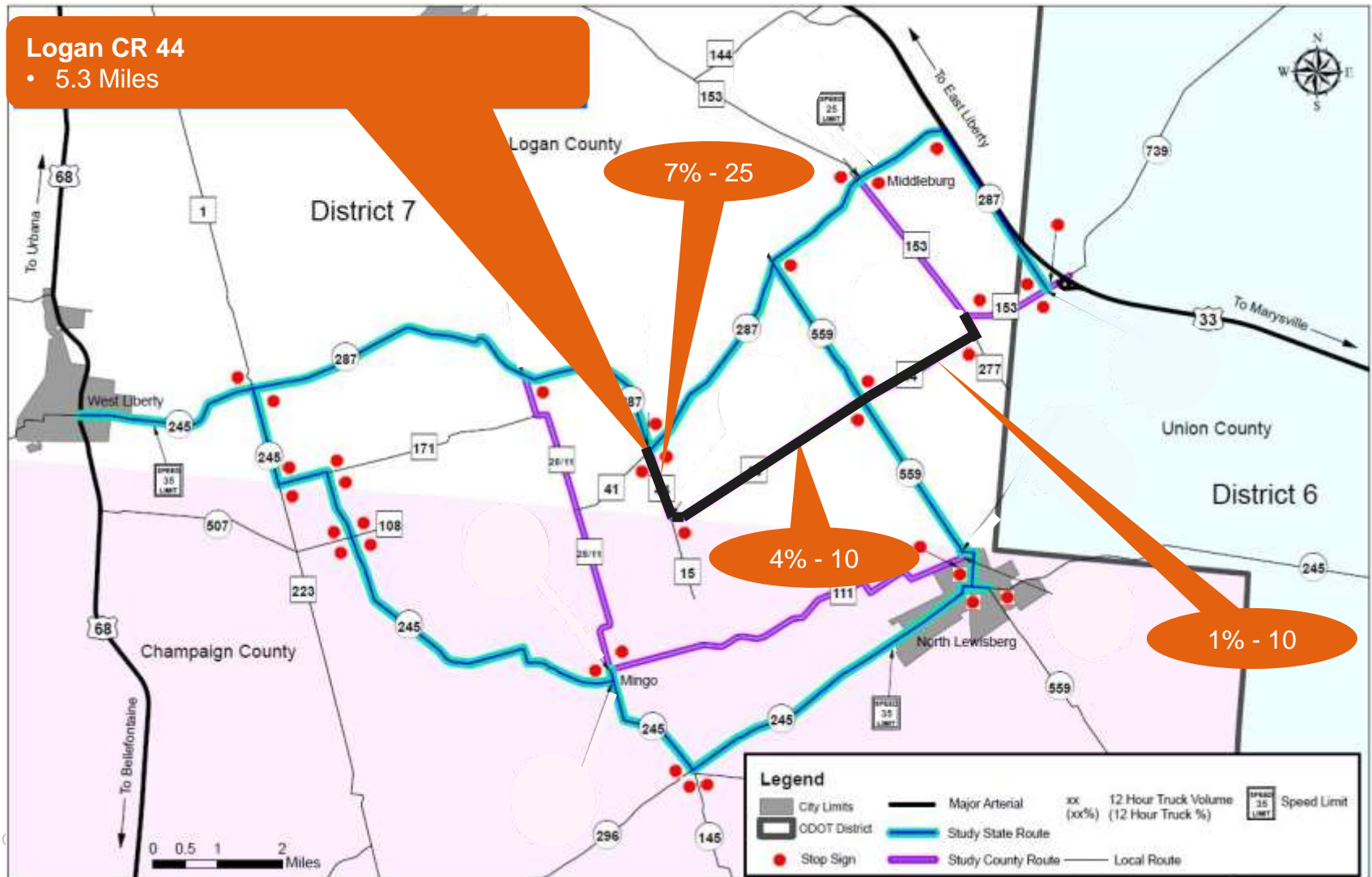
LUC RPC – 7 Routes



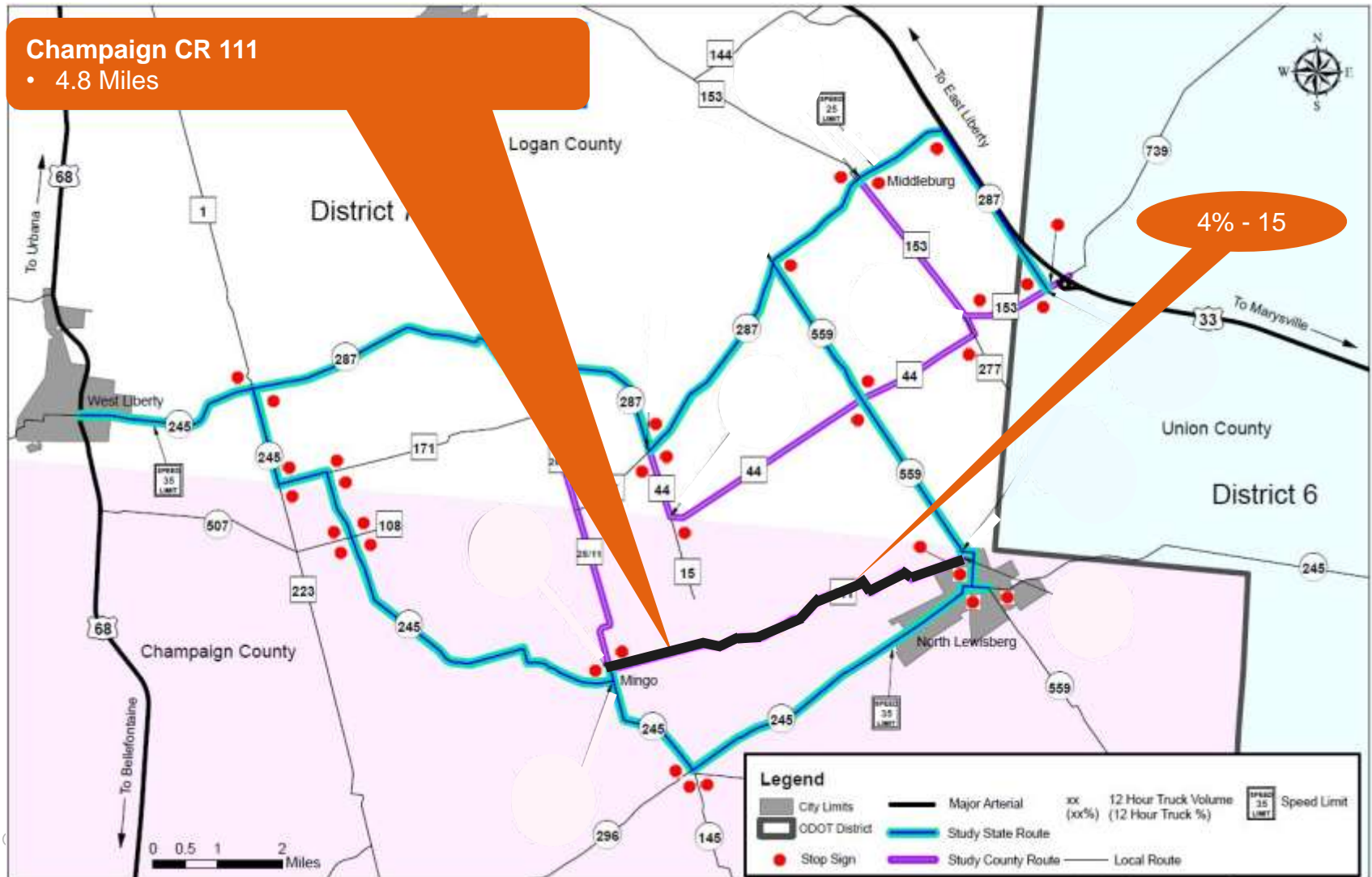
LUC RPC – 7 Routes



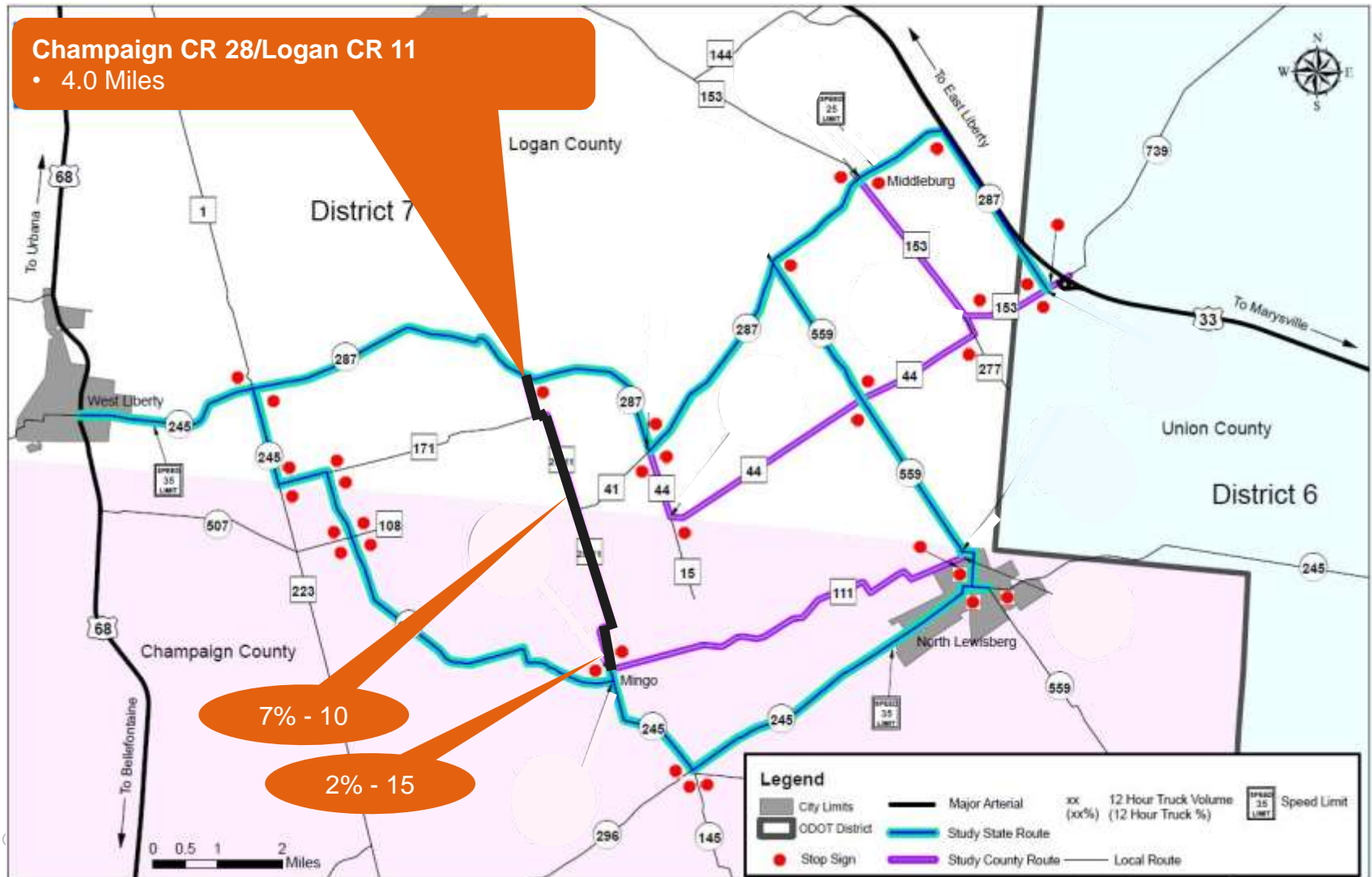
LUC RPC – 7 Routes



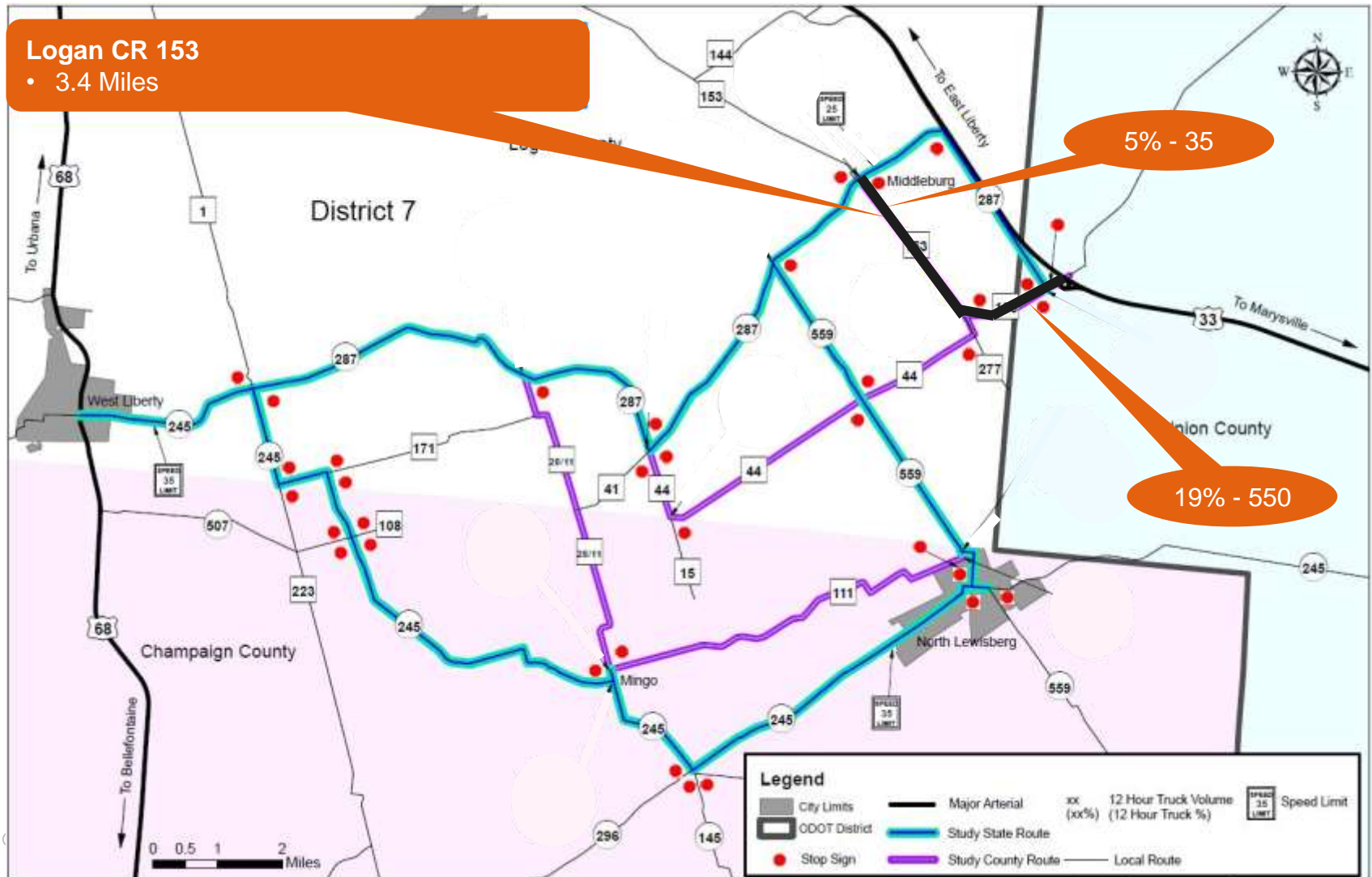
LUC RPC – 7 Routes



LUC RPC – 7 Routes



LUC RPC – 7 Routes

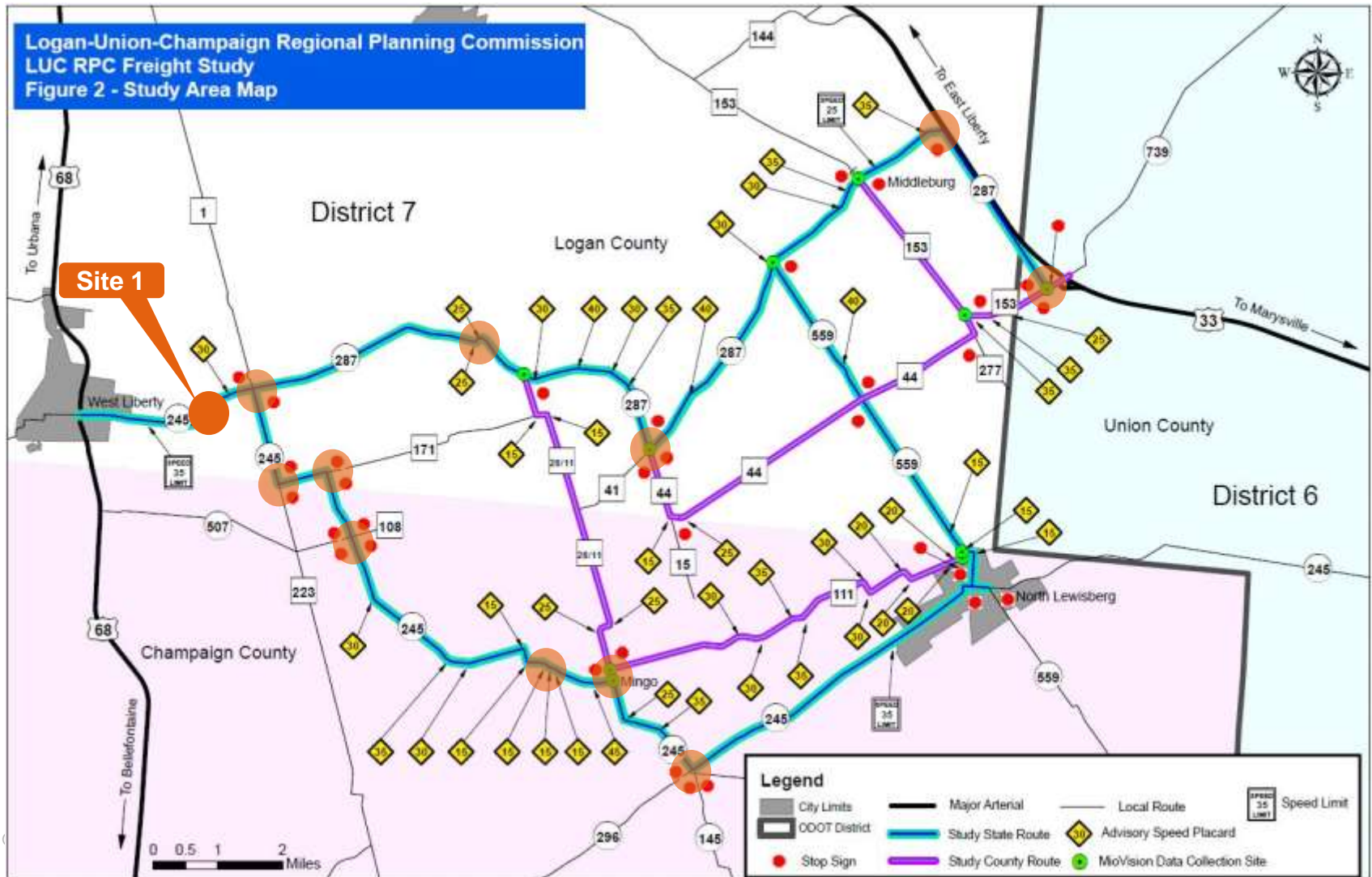


Recommendations for Further Study

- State Routes
 - 12 Sites
 - Intersection Related
 - Non-Intersection Related
 - Goals:
 - Improve Safety
 - Improve Traffic Operation
 - Keep Trucks on the State Routes
- County Routes
 - Wayfinding Signs
 - Truck Restrictions
 - Education
 - Enforcement



Site #1 – SR 245 Reverse Curves



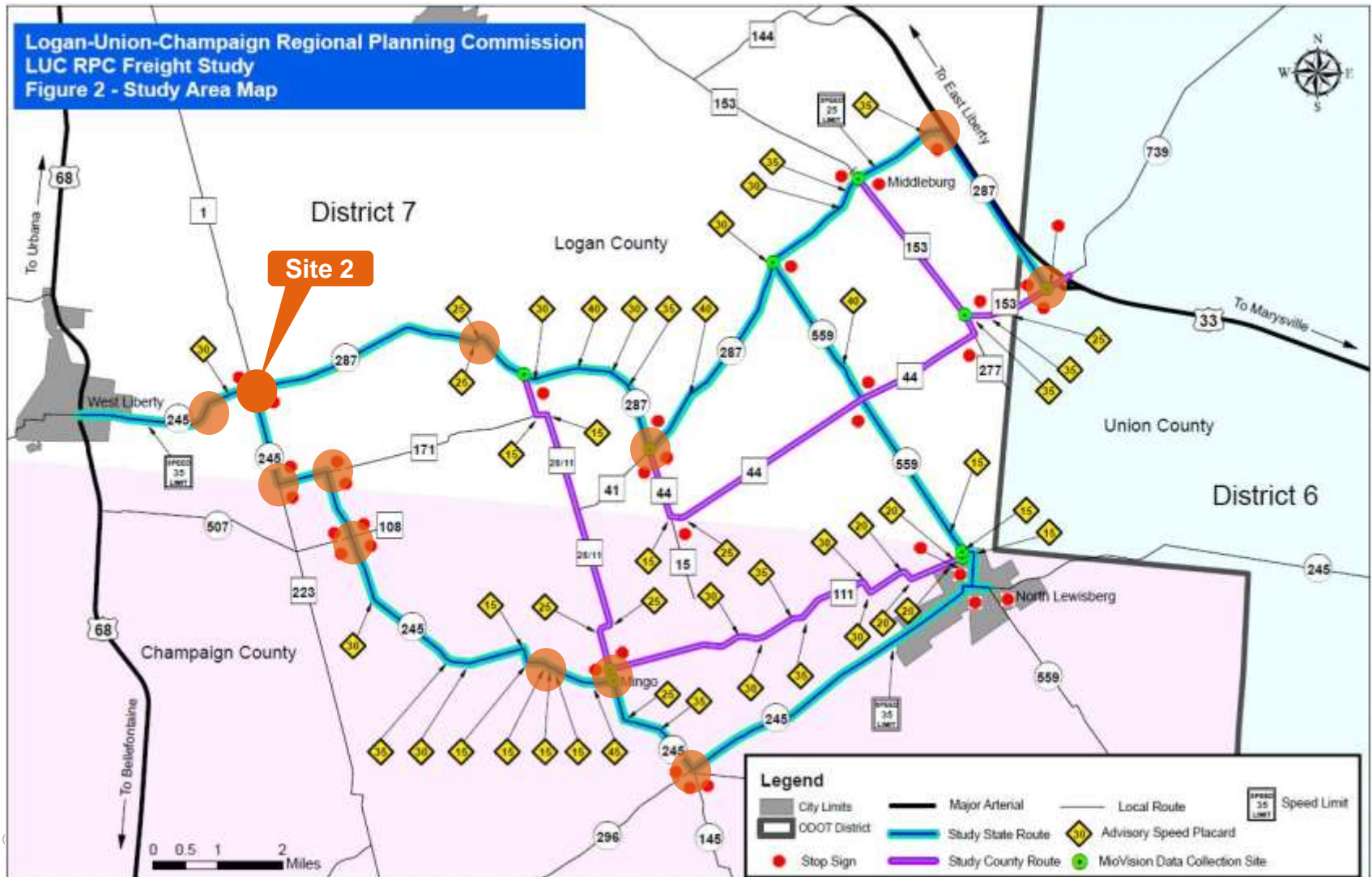
Site #1 – SR 245 Reverse Curves



Site #1 – SR 245 Reverse Curves



Site #2 – SR 245 at SR 287



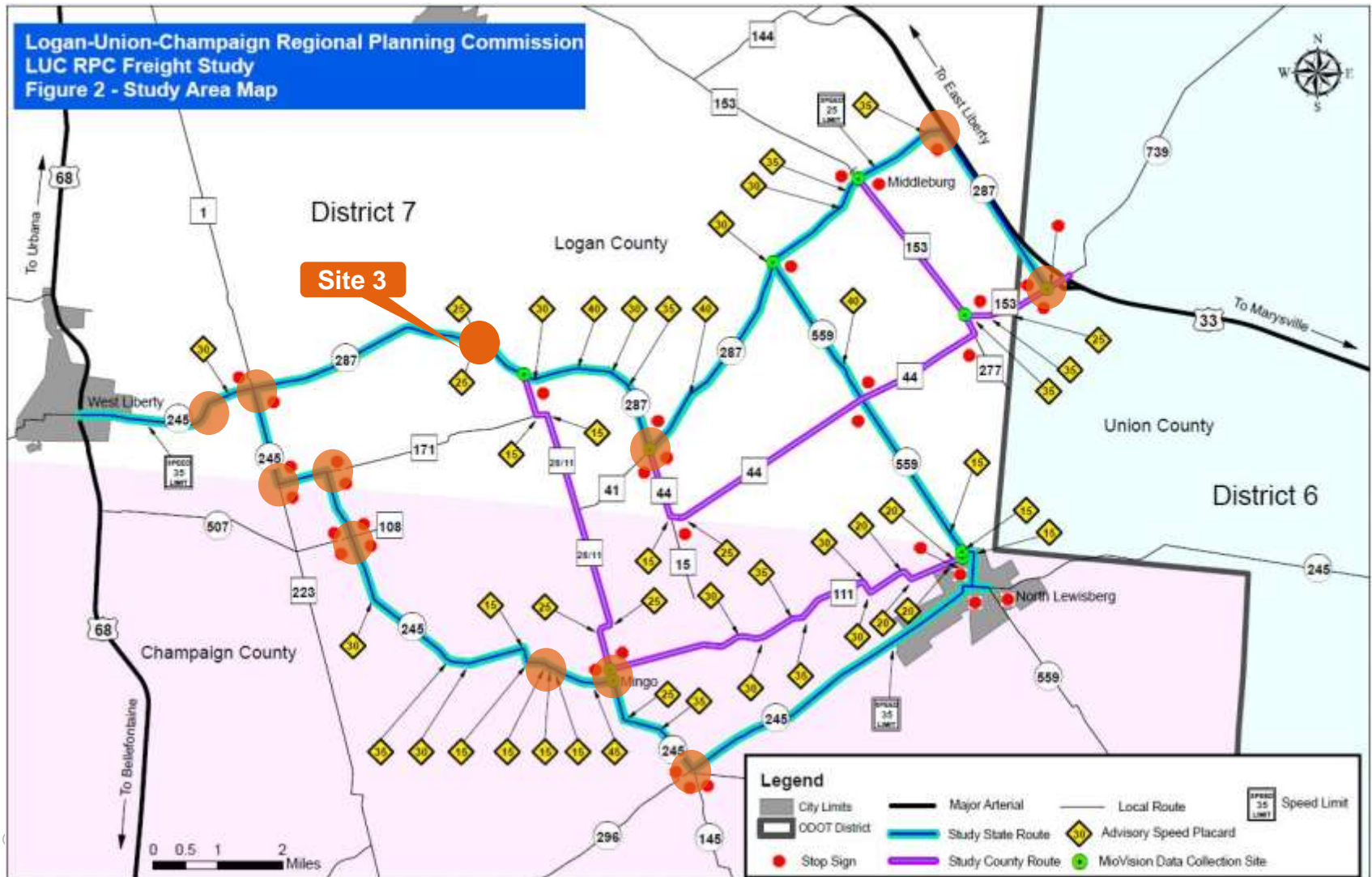
Site #2 – SR 245 at SR 287



Site #2 – SR 245 at SR 287



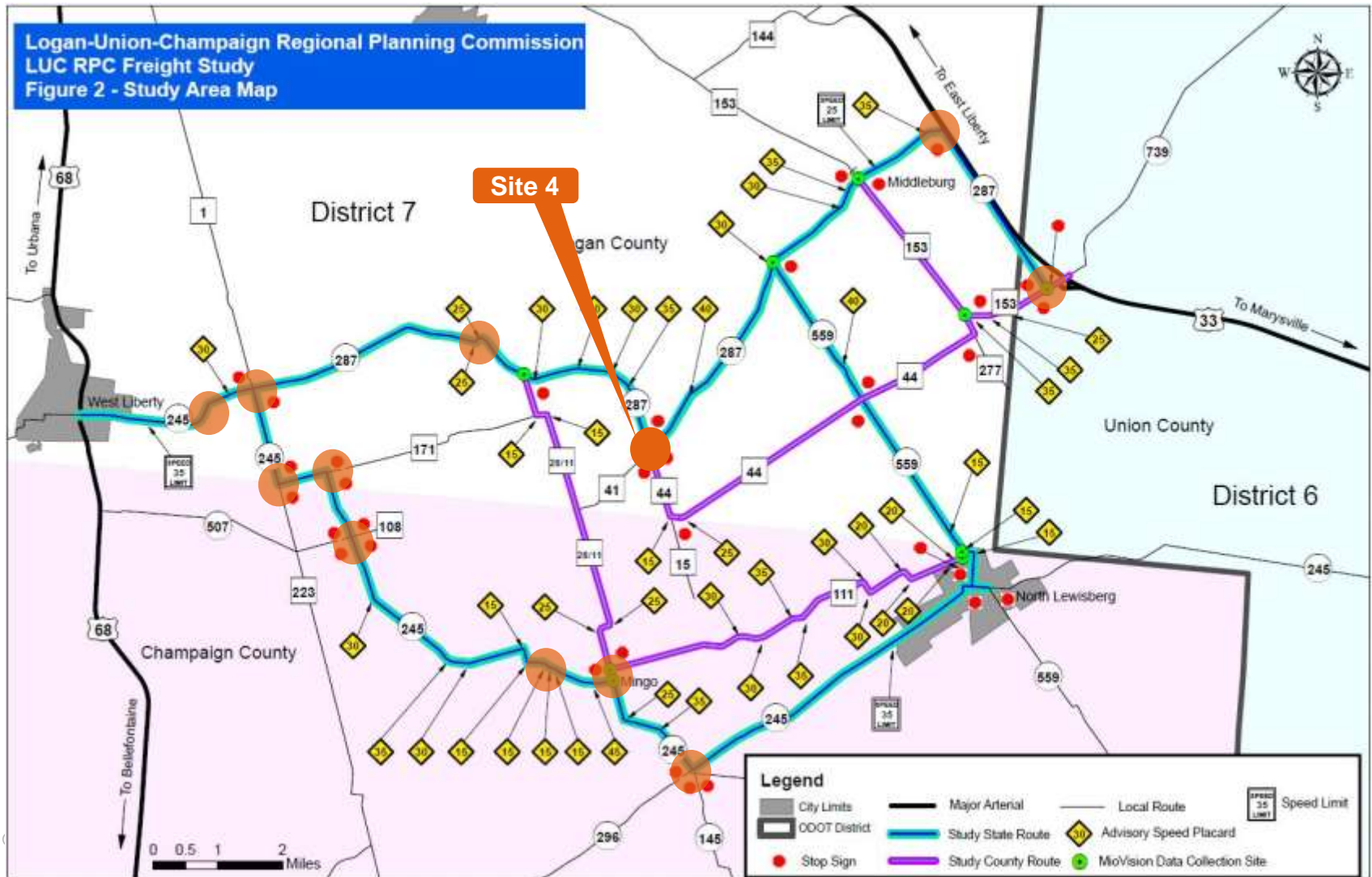
Site #3 – SR 287 Reverse Curves



Site #3 – SR 287 Reverse Curves



Site #4 – SR 287 at CR 44



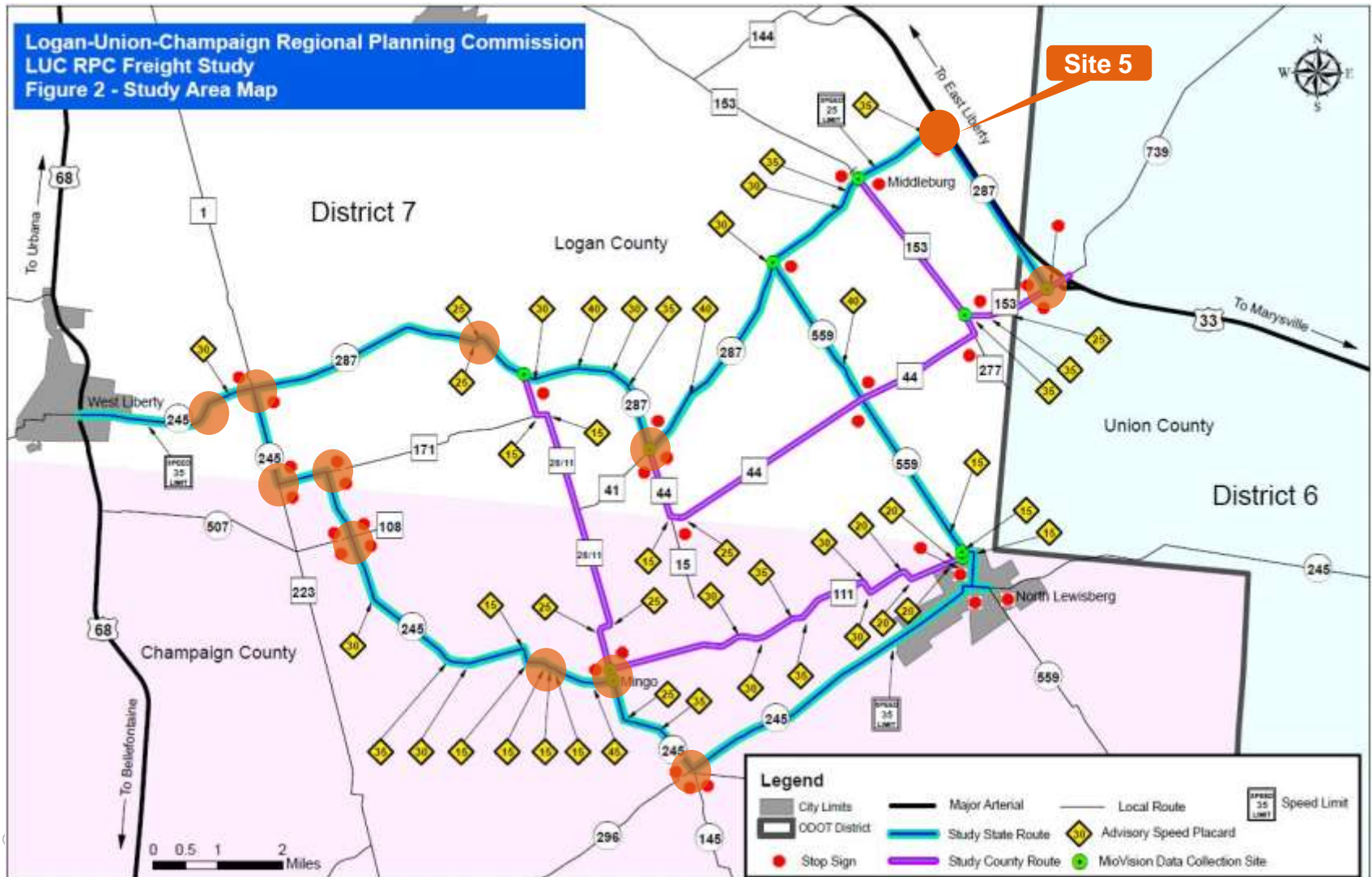
Site #4 – SR 287 at CR 44



Site #4 – SR 287 at CR 44



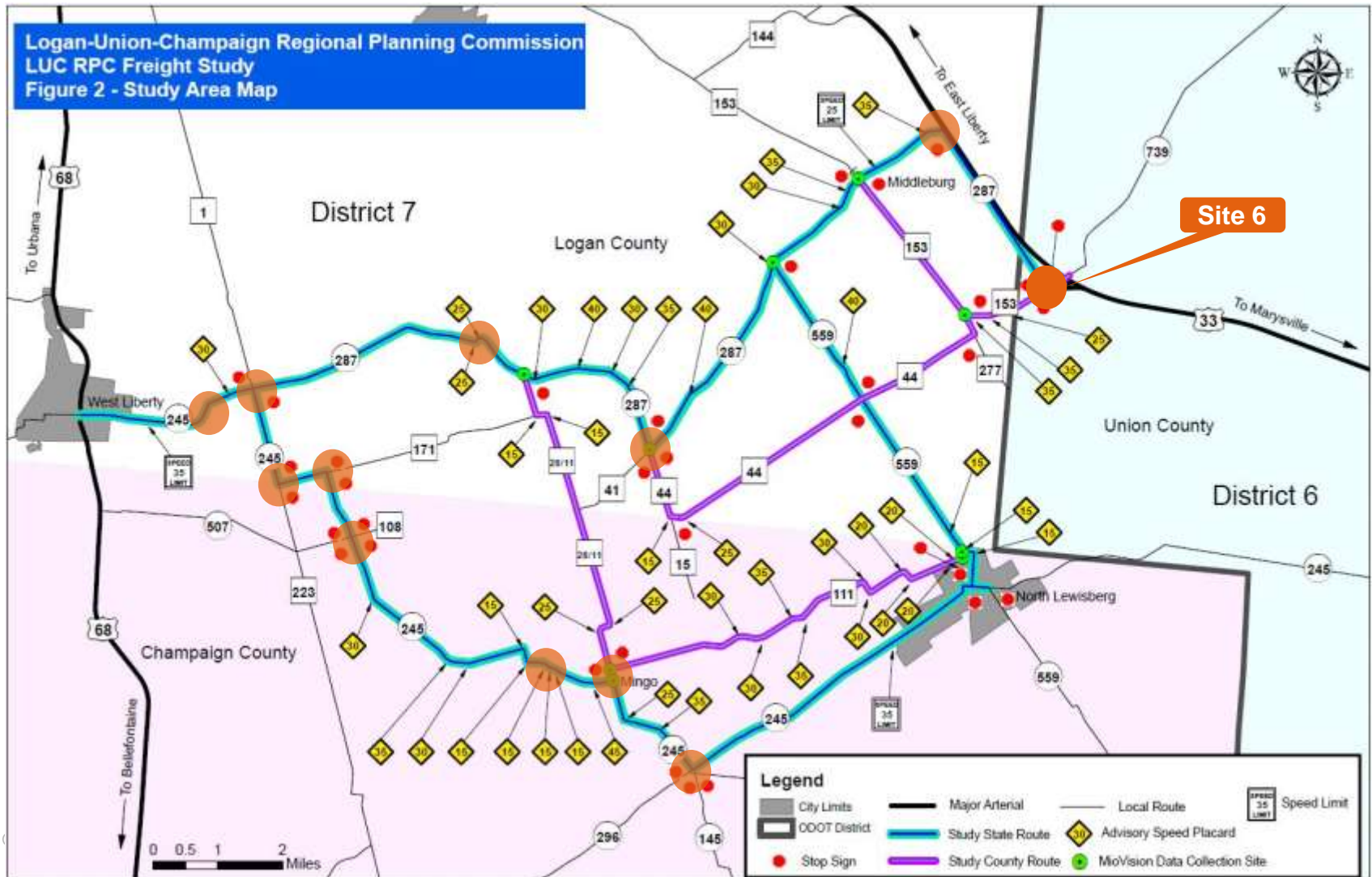
Site #5 – SR 287 at CR 347



Site #5 – SR 287 at CR 347



Site #6 – SR 287 at CR 153

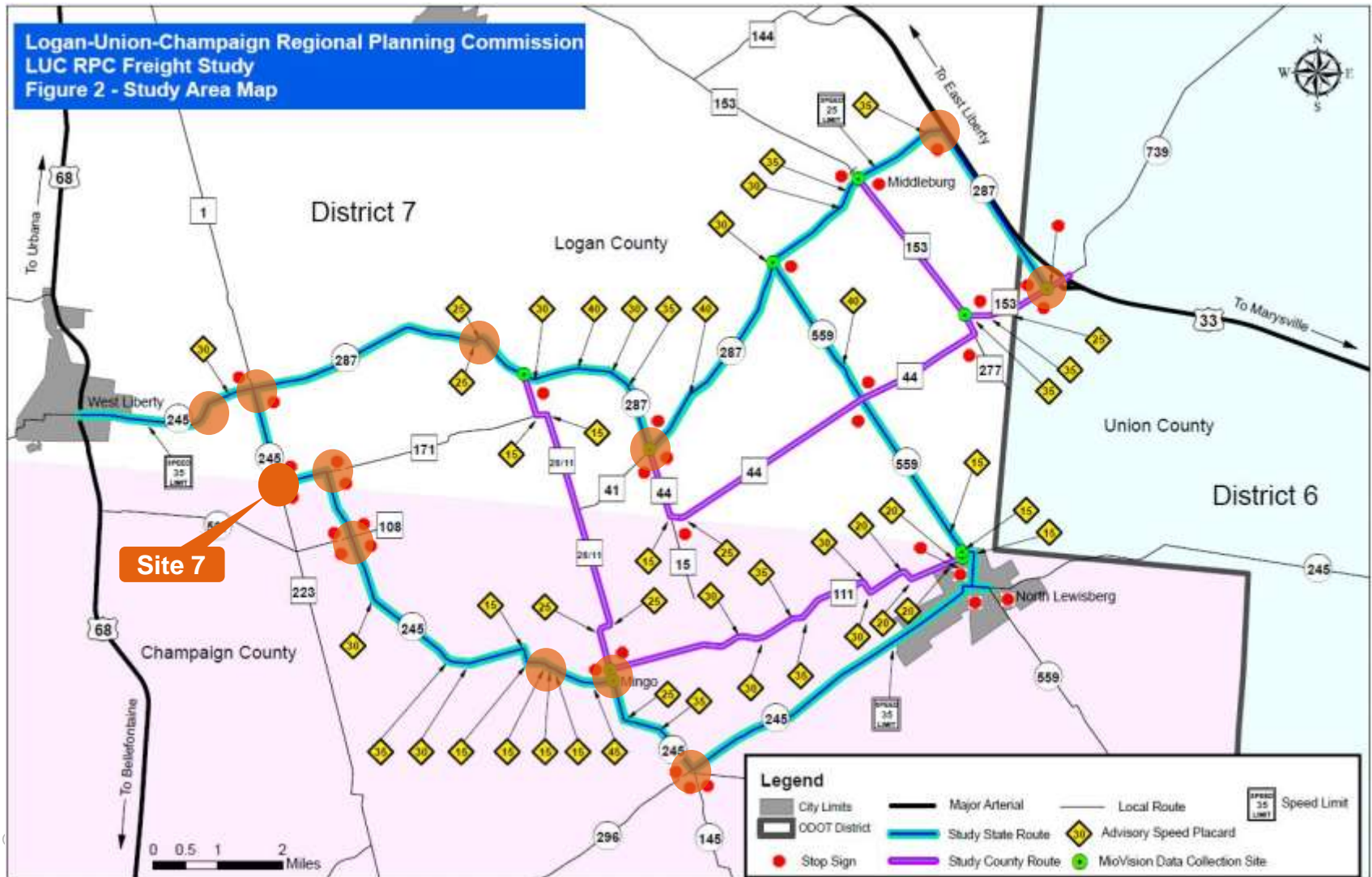


Site #6 – SR 287 at CR 153



Site #6 – SR 287 at CR 153

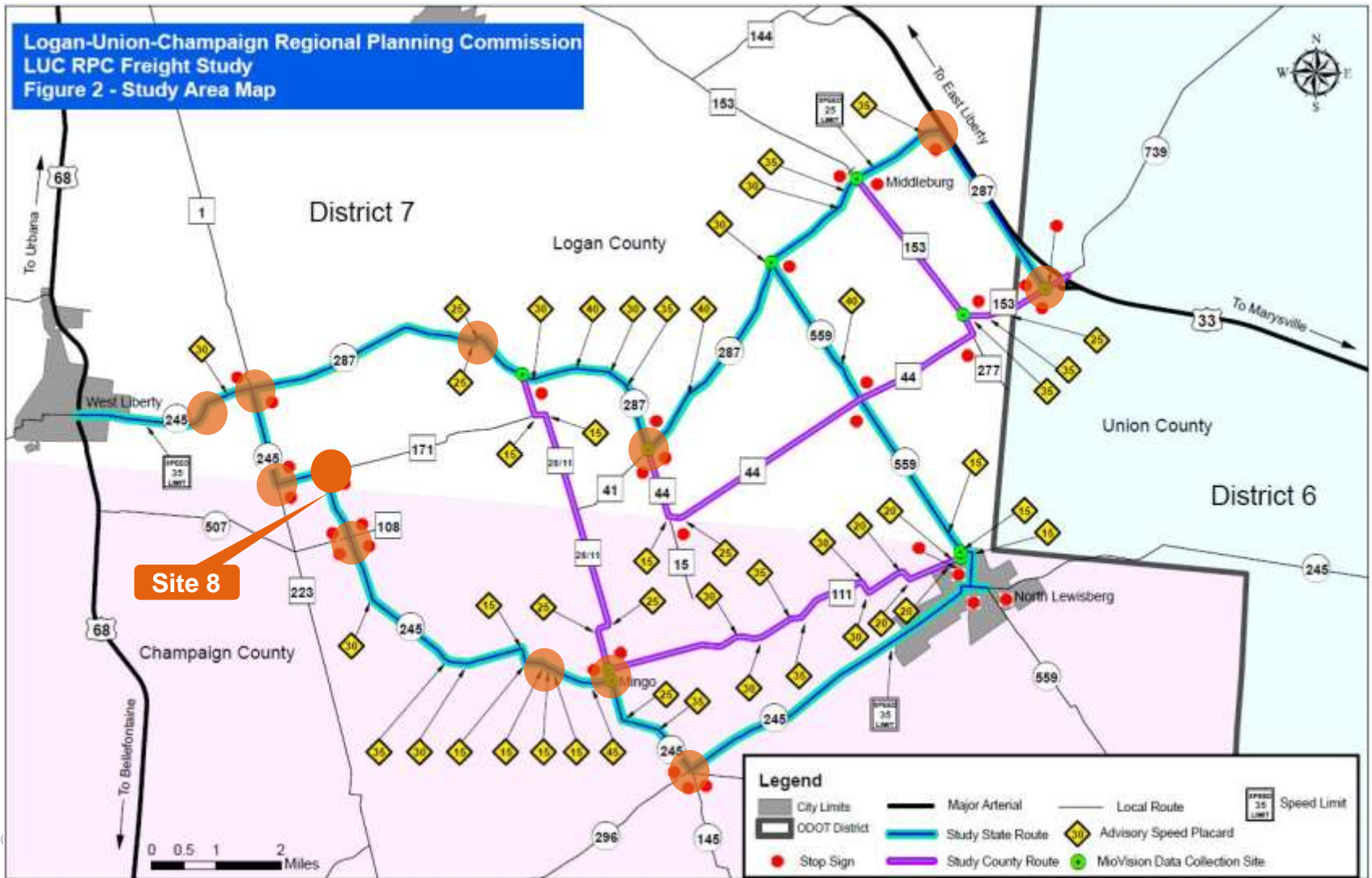




Site #7 – SR 245 at CR 223



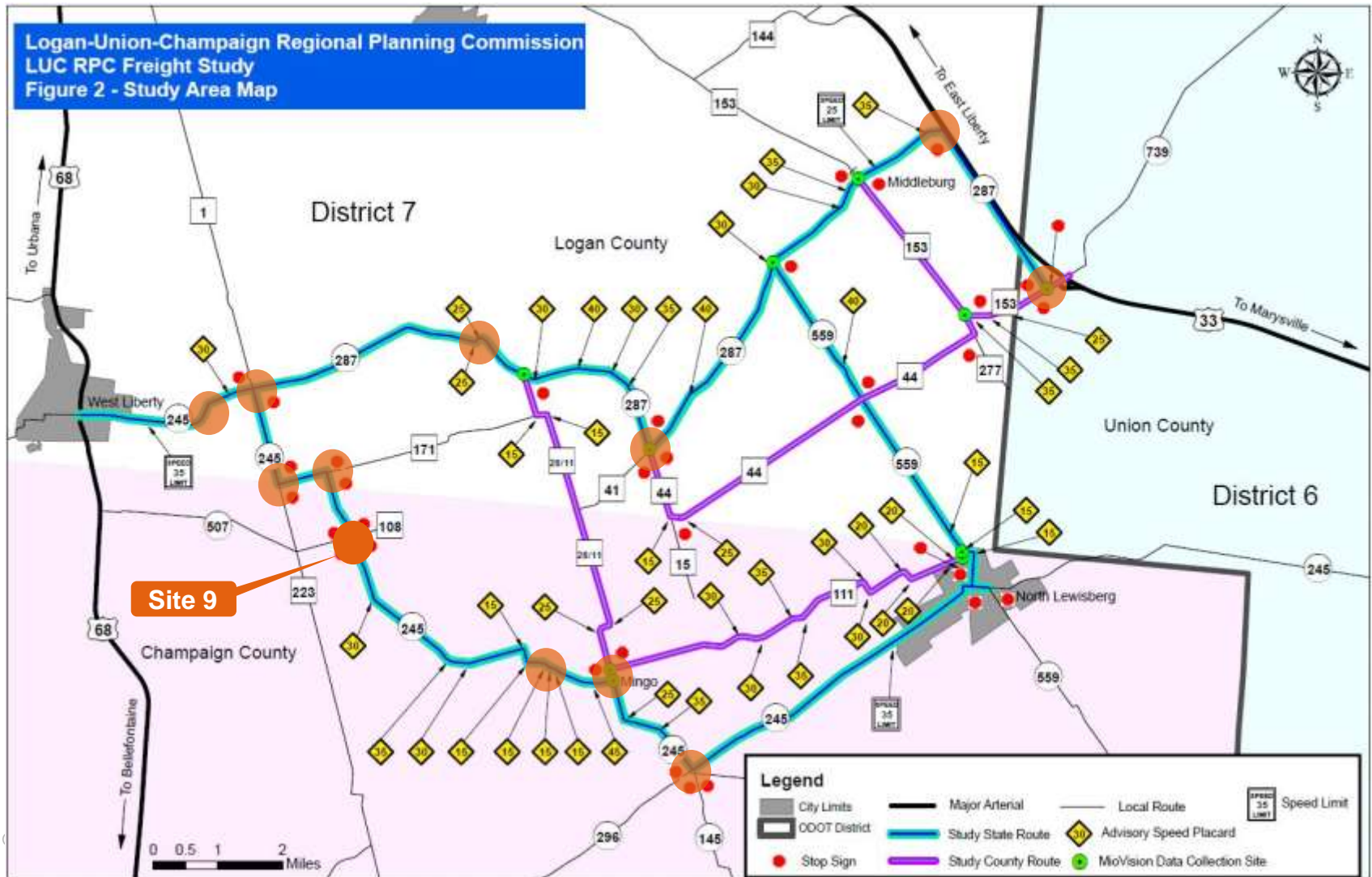
Site #8 – SR 245 at CR 171



Site #8 – SR 245 at CR 171



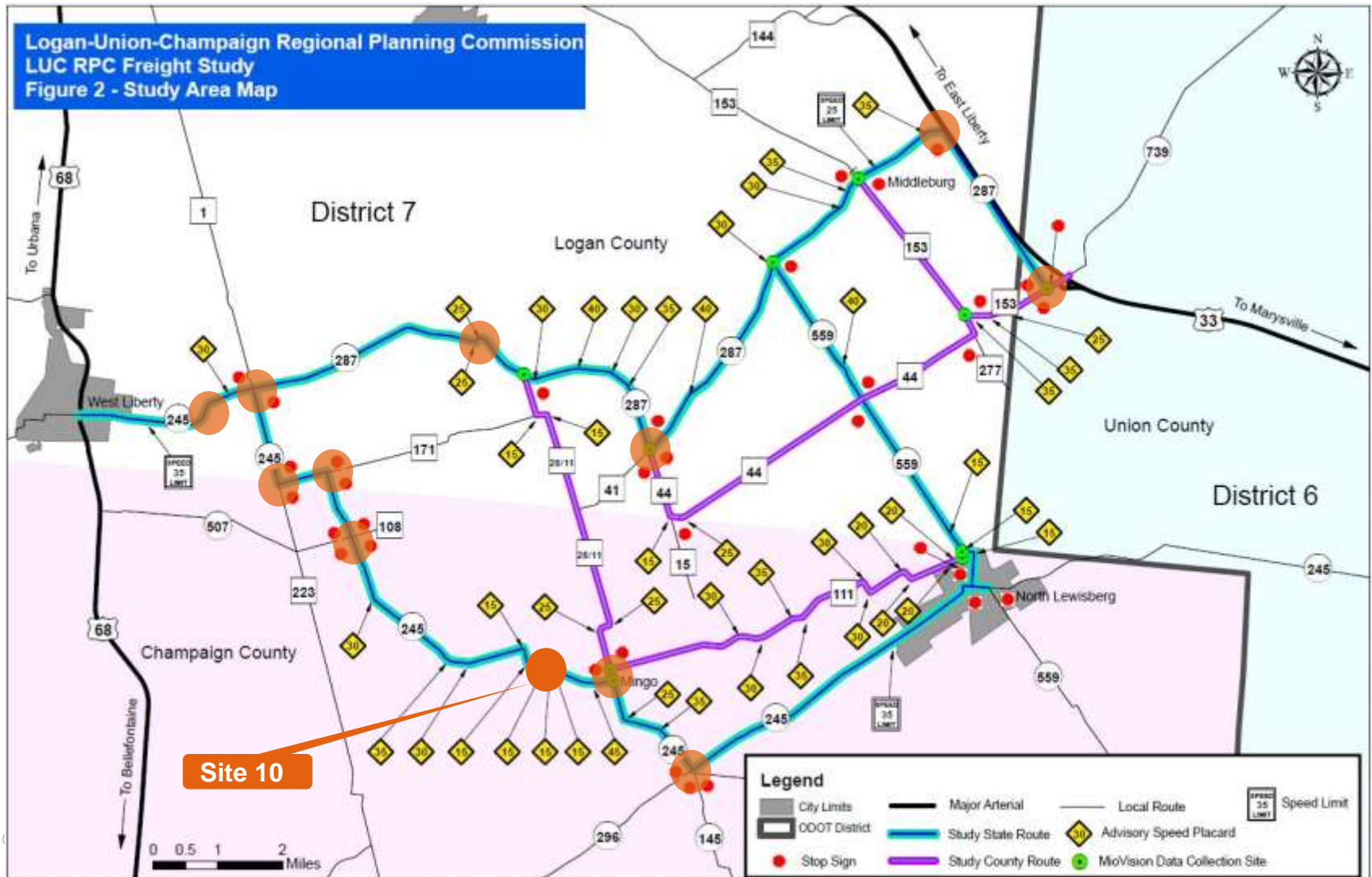
Site #9 – SR 245 at CR 108



Site #9 – SR 245 at CR 108



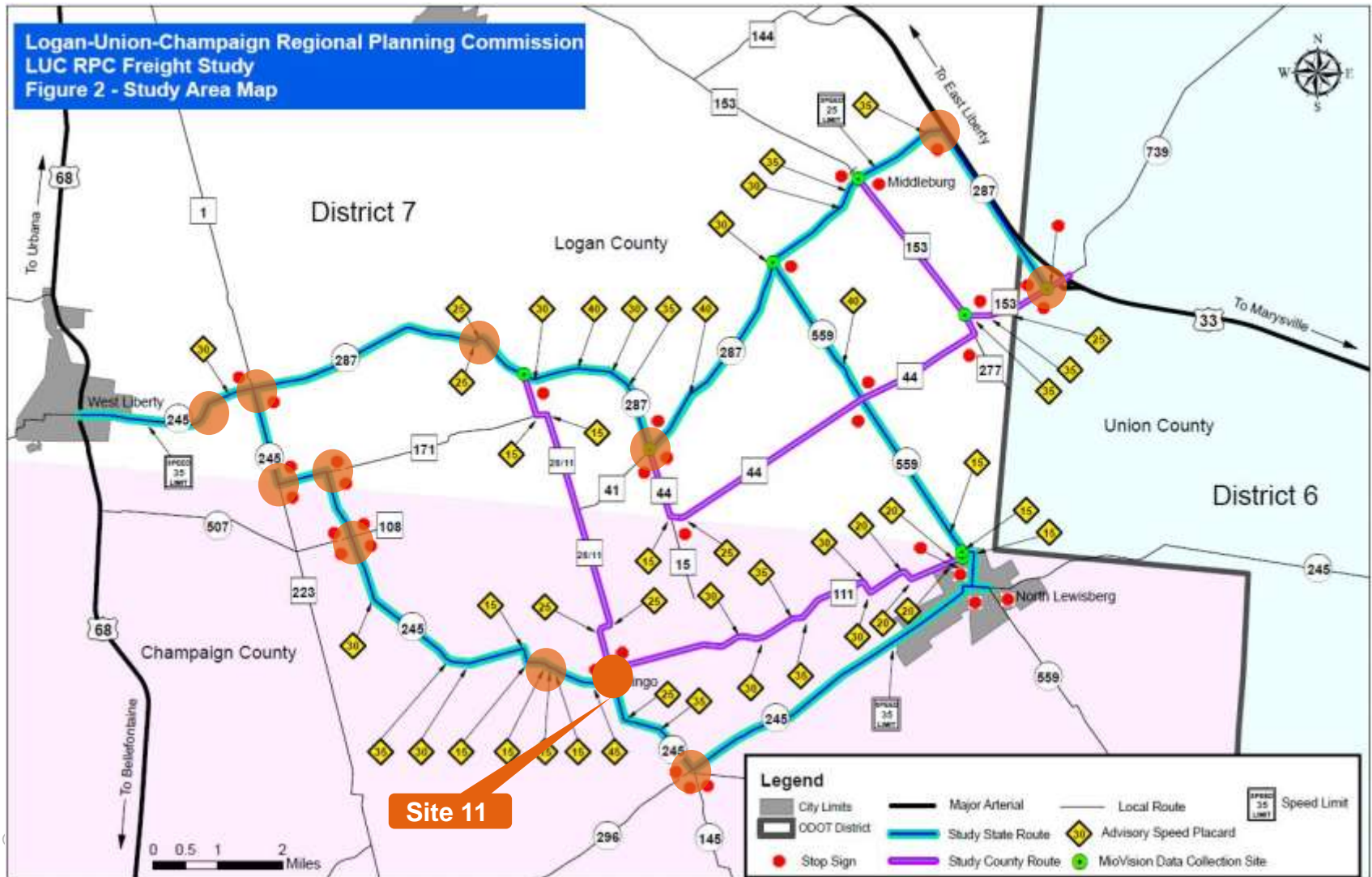
Site #10 – SR 245 Reverse Curves



Site #10 – SR 245 Reverse Curves



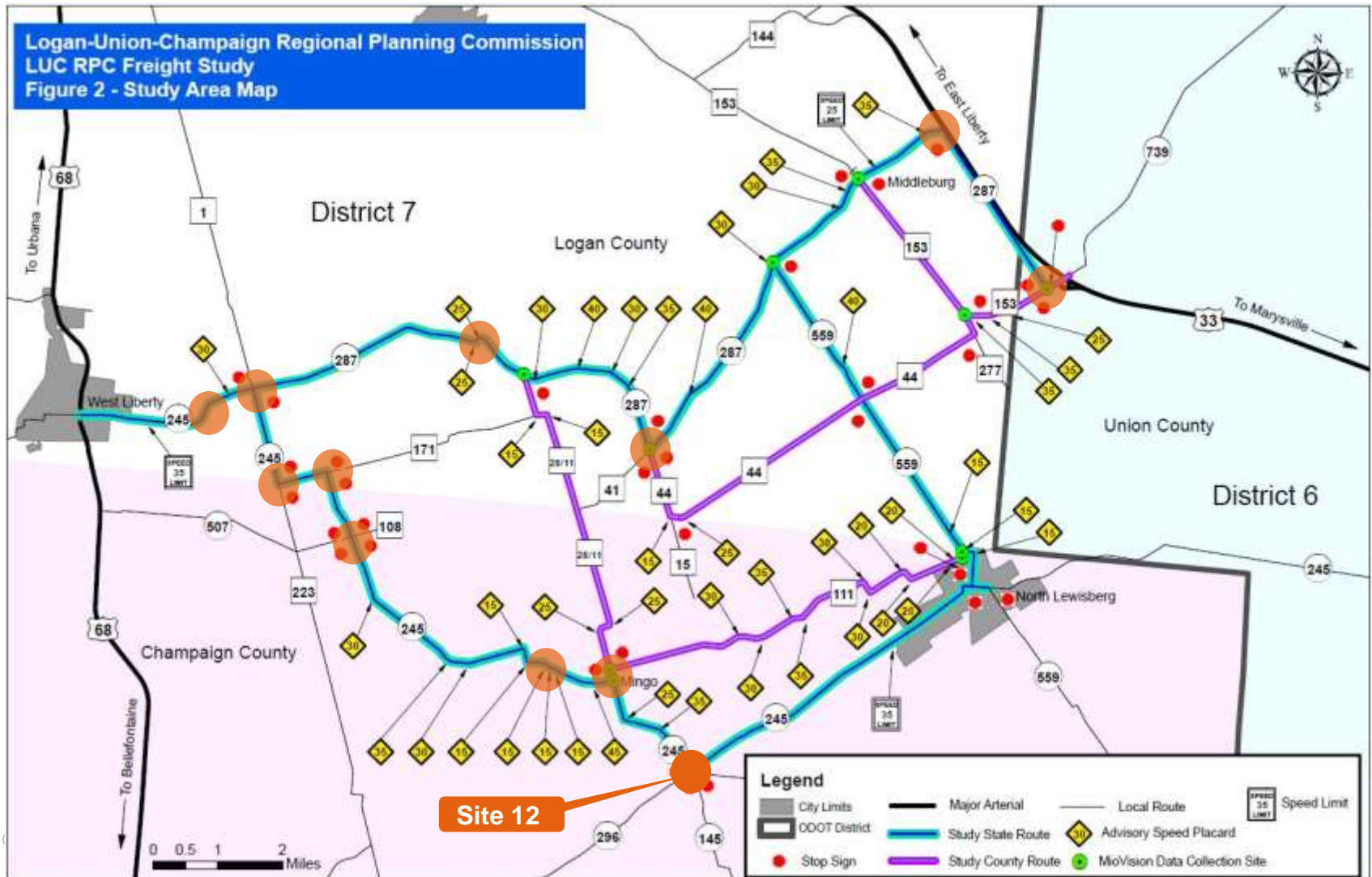
Site #11 – SR 245 at Spain Street



Site #11 – SR 245 at Spain Street



Site #12 – SR 245 at SR 296



Site #12 – SR 245 at SR 296



Recommendations for Further Study

- State Routes
 - 12 Sites
 - Intersection Related
 - Non-Intersection Related
 - Goals:
 - Improve Safety
 - Improve Traffic Operation
 - Keep Trucks on the State Routes
- County Routes
 - Wayfinding Signs
 - Truck Restrictions
 - Education
 - Enforcement



Discussion?



Thank You!