

ASHE CONFERENCE

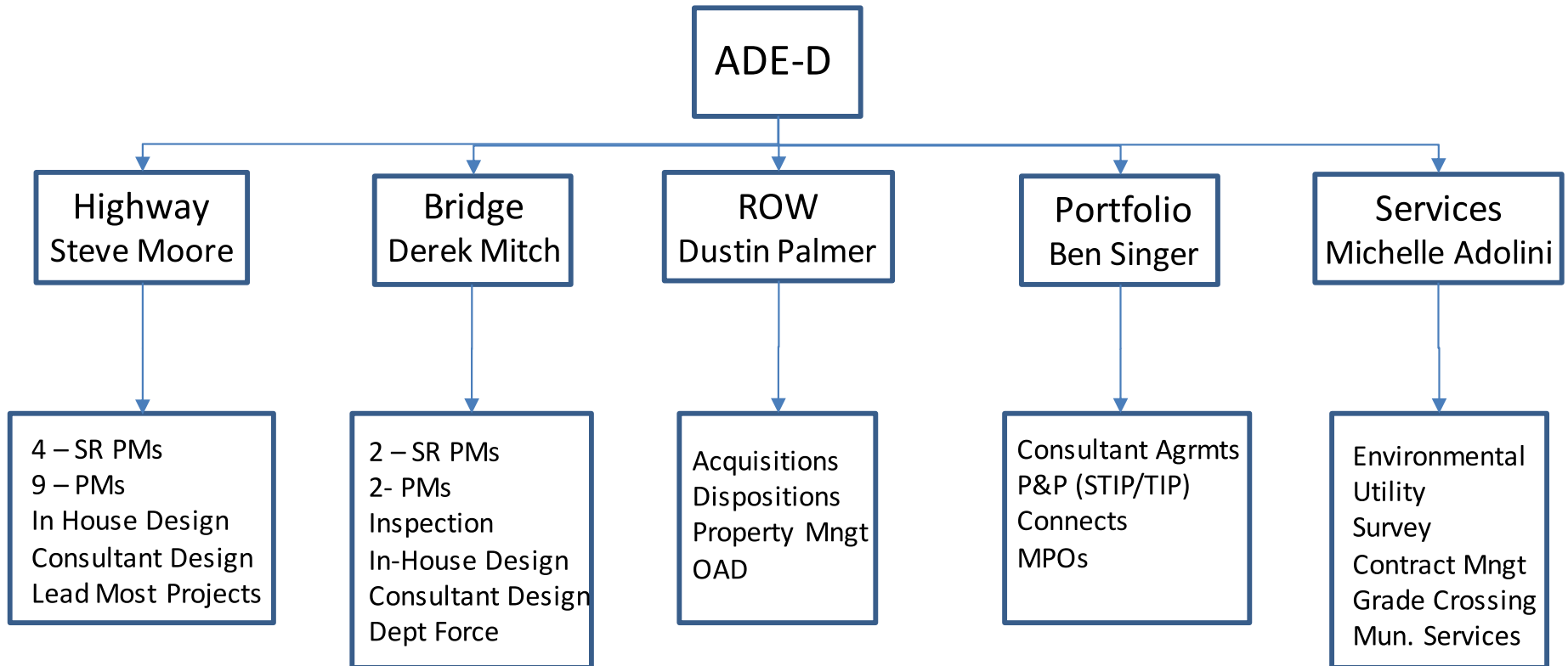
District Design Unit – The ADE’s Perspective

April 25, 2023

*Richard A. Reisinger, P.E.
ADE-Design
Engineering District 8-0*



Design Unit Overview



Design Staffing Changes

- Changes in the last year (there are a lot)
 - District Bridge Engineer – Derek Mitch
 - Design Services Engineer – Michelle Adolini
 - Chief of Surveys – Randy Eby
 - Acting P&P Manager – Carey Mullins
 - District Planner – Kenana Zejcirovic
 - Acting Env Supervisor NEPA – Jeremy Ammerman
 - SR PM Bridge – Marwa Said
 - PM Highway – Ashlee Steele
 - PM Highway – Jeff Burdge
 - Regulatory Permit Coordinator – Brad Burford (until June.....)



Funding

- Fiction – District office controls funding
 - District only directly controls maintenance funding as allocated through funding formula to counties
 - District has some discretion with state funds
- Federal transportation improvement funds are “managed” by the MPO as part of the TIP/STIP/TYP
 - Changes (overruns/estimate increases, etc) must be approved by the MPO (admin action or a full vote)
 - Interstate TIP is managed by CO Steering Committee



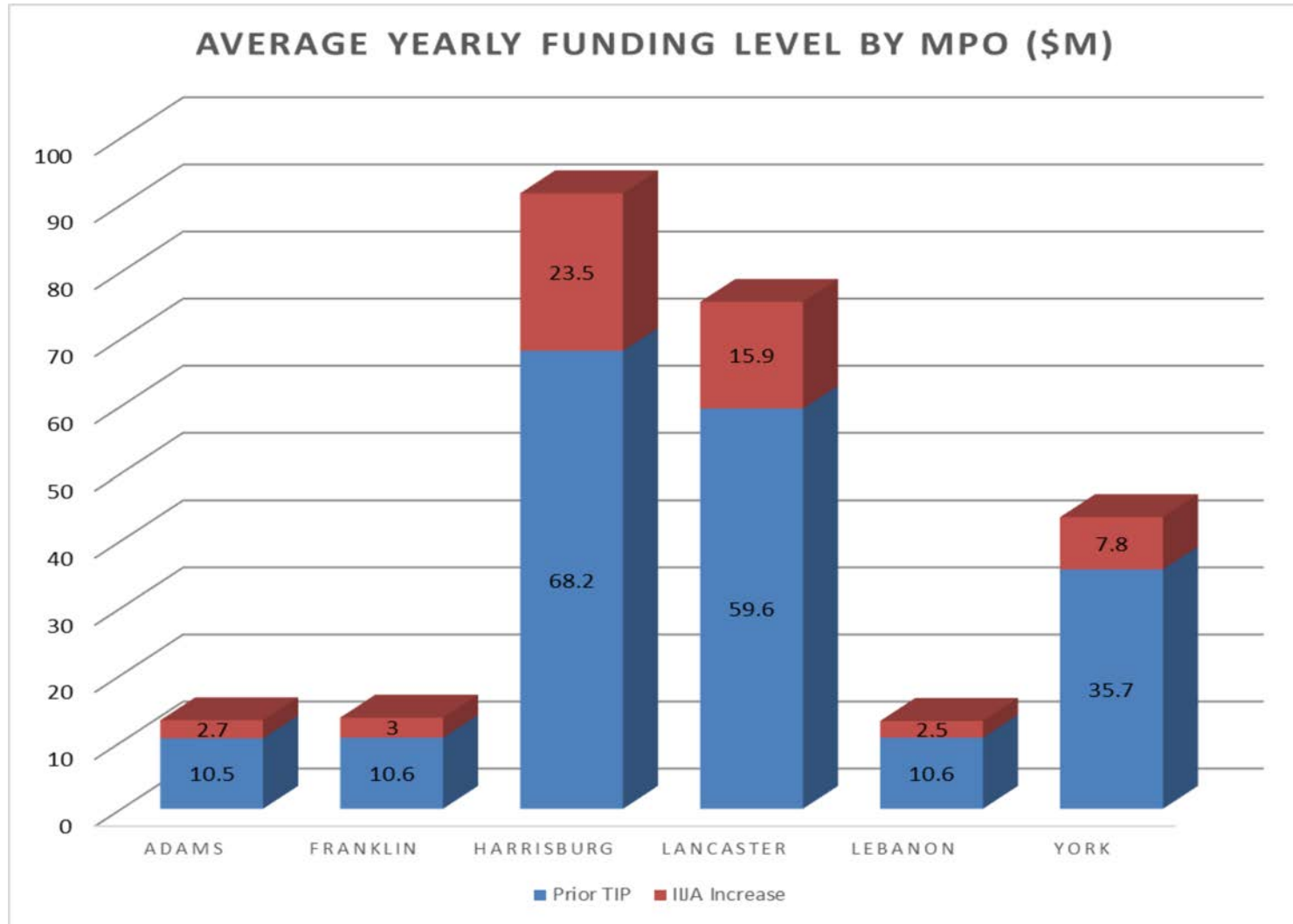
Funding

- Federal funds must be matched
 - Typically 80/20
 - State fund match is usually in pre-con phases
- The TIP is a 4-year plan
 - updated every 2 years
 - District provides asset management candidates
 - Improvements are evaluated/ranked by MPO
 - Public has opportunity to provide comment

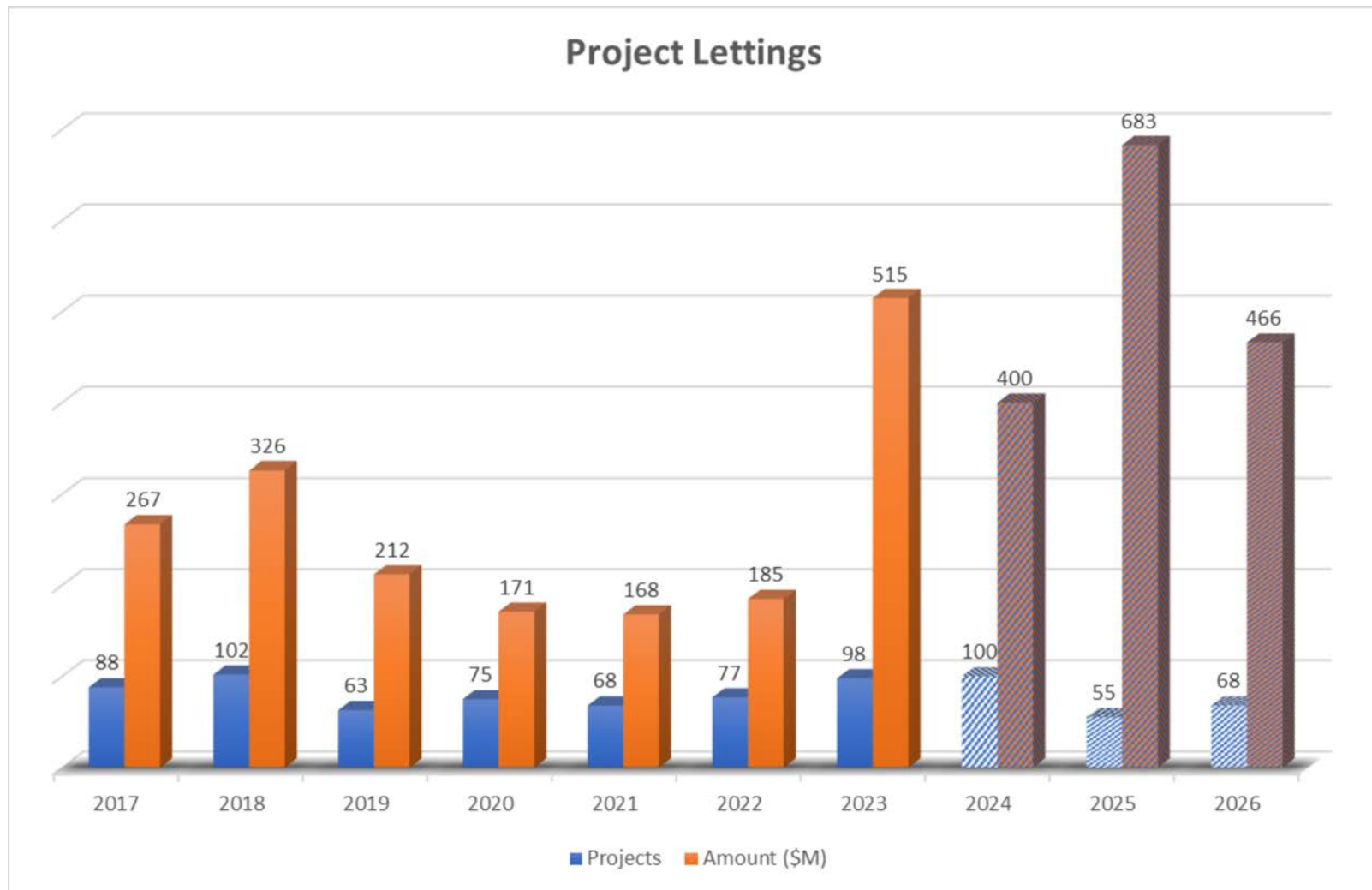


Funding

AVERAGE YEARLY FUNDING LEVEL BY MPO (\$M)



District Lettings



District Challenges

- **District Staffing** (continues)
 - Utility Relocation staff
 - Real Estate Appraisers
 - Bridge Inspectors
 - Routine Turnover
- **PADEP Permitting** (some improvement overall)
 - Mitigation
 - Permittee Responsible or Credit Purchase



Areas for Improvement

- Safety
- Estimates
- Schedules
- Utility Coordination
- Timely PS&E Delivery

Covered by Michelle later



Areas for Improvement

- Safety



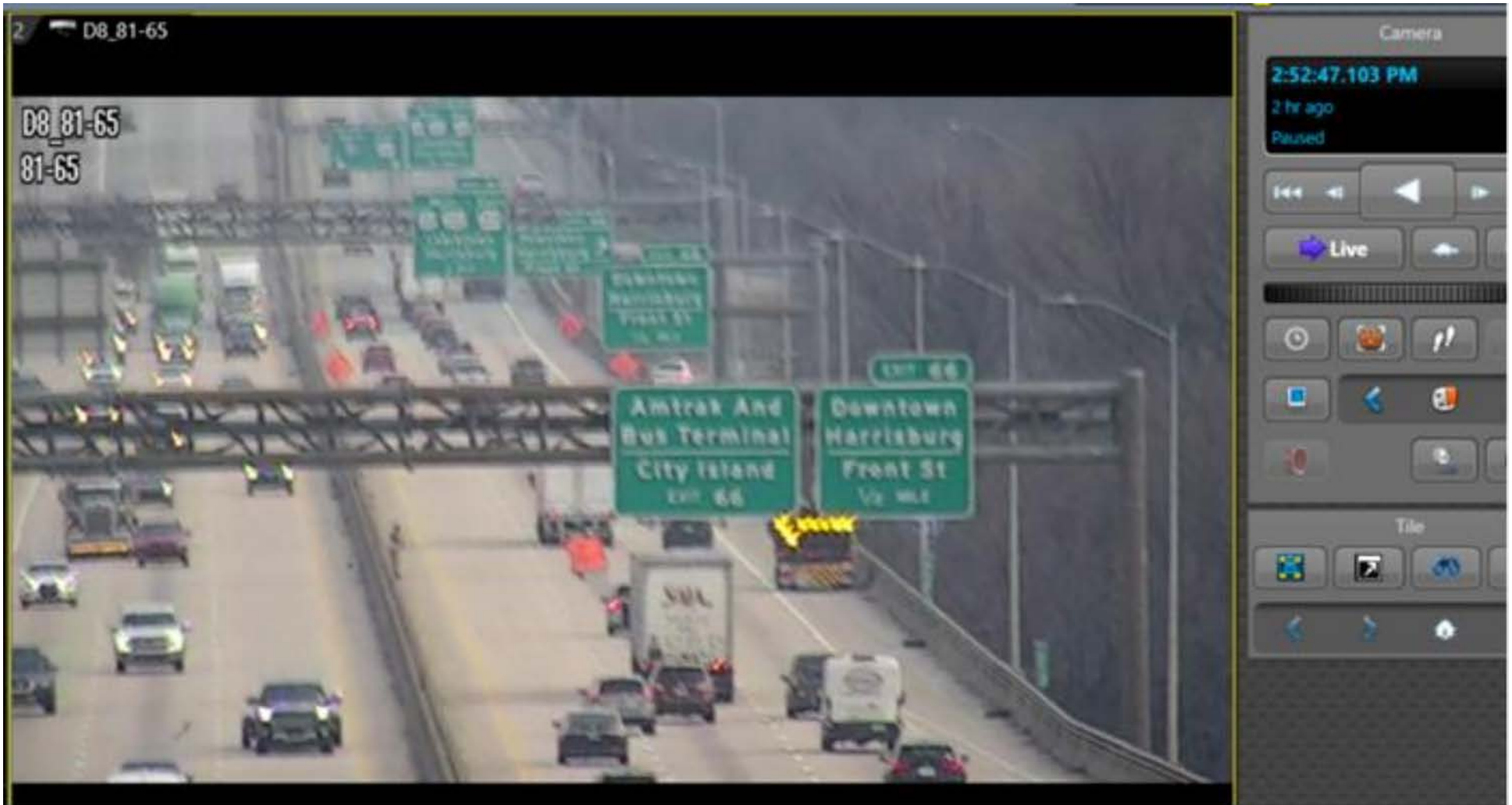
Safety



Safety



Safety



Areas for Improvement

- Safety
- Estimates



Estimates

- For 2023 thus far averaging 5-10% over
 - Statewide seeing 15-20%
 - If 10% continues = \$50M on \$500M program
 - We may need to defer projects (ripple effect)
- What can we do?
 - Good estimates that are updated often (watch cost drivers)
 - No last minute (3 months before letting) surprises
 - Remember increases require MPO approval



What to Expect Ahead

- District
 - Improve feedback and communication to consultants
 - May be assigned to a District Consultant PM
 - Treat as a direct extension of District staff
 - Incorporate “Lessons Learned”
 - AAR & Best Practices
 - Use of Design Error Process **if** needed
 - Chapter 5.8 in Pub 93



What to Expect Ahead

- Consultants
 - Present potential issues early
 - Include possible solutions
 - Stay persistent
 - Every project has some type of issue & your issue may get lots in the mix
 - Help us “train” our newer staff members
 - We are asking & relying on your advice
 - Help us “do more with less”
 - Be innovative where possible – stretch our \$



Successful Projects

- Collaboration between Design, Construction & Maintenance
 - Different Needs and Approaches, but same Goal
 - Every “Reasonable Opinion” Considered
 - This must include consultants in every group without “gotcha” moments
 - Team approach



Closing

Thank You

