National Accessibility Evaluation TAP Meeting

January 15, 2019
Agenda

1. Welcome from MnDOT
2. Introductions
3. Project Update
4. Member Updates
5. Other Business
Welcome from MnDOT

Deanna Belden
Introductions

Claire Johnson
Project Update and Discussion

Andrew Owen
Project Update and Discussion

1. Membership updates
2. New task structure for years 4 and 5
3. Bike accessibility status
4. 2018 report & data schedule
5. MnDOT scenario evaluation: I-94 managed lanes
6. Project extension
7. Other TRB Events
Membership Updates

- Welcome Illinois DOT!
- Welcome Massachusetts DOT!
- Welcome Metropolitan Council!
New Task Structure

- Years 4 & 5
- 18 tasks -> 5 tasks
- No change in data or report deliverables
Bike Accessibility Status

- Incorporating intersections into LTS model
- Assigned LTS scores to all intersections nationwide
- Updating routing algorithms to consider intersection LTS scores — in final testing
- Data available next month (February)
2018 Report & Data Schedule

- Being processing both auto & transit this month
- Review data & local reports at ~May TAP meeting
- Schedule publication of national reports following review
Scenario Evaluation: I-94 Managed Lanes (MnDOT)

- Evaluated accessibility impact of adding managed lanes to I-94 between downtown Minneapolis & Saint Paul
Scenario Evaluation: I-94 Managed Lanes (MnDOT)
Project Extension

- FY2019 is last year for commitments under current pooled fund
  - (Data will cover through CY2019, released in CY2020)
- Evaluating approaches for continuing
  - Possible updates to structure, deliverables
  - Will reach out individually to current partners for input
- Goal: share plans at summer 2019 AASHTO event
Other TRB Events

Accessibility Manual Working Group
- Formed yesterday, organized by David Levinson
- Focused on guidance for *measuring* accessibility, inspired by Highway Capacity Manual
- Accessibility Observatory staff will be involved, and will share updates with this group

Next Generation Performance Measures
- Session 1786 — Thursday 8am – Noon — 101
- Presenting results from National Accessibility Evaluation
Task Review

Andrew Owen & Deanna Belden
Task Review

- 5.2 & 6.2 — left over from year 2, updated to reflect change in data and report hosting
- 8.3 — summarizes project enhancement work on bike accessibility, freight accessibility, and data portal
Data Portal Update

Kristin Carlson
Data Portal Update

Ready for use

- Connect to database using web map services (WMS) link.
- Viewing Options:
  - ArcGIS Desktop
  - QGIS
  - ArcGIS Online – available with ESRI account credentials
- Authentication required
- Several notes of feedback were received. Bugs fixed.
- Minor development will continue.
- Retroactively add data (2015, 2016)
- Improve performance through database configuration
- Frequently Asked Question document handout and email attachment following this meeting
- Continued interest in GIS documentation for adding layers?
Data Portal Update

Plan For Administration

- New data will be added following each report
- Notify TAP partners of portal updates
- Notes on Credentials (discussion)
- Access should be limited to those in the agencies represented by the TAP
- TAP agency member should be the contact person for internal administration of credentials
- Connect external inquiries to Accessibility Observatory staff.
- AO will handle other issues/inquiries on a case-by-case basis
- Questions/Feedback on process?
Freight and Accessibility Update

Andrew Owen
Intermodal Freight Terminals
Metrics — Nearest vs. Weighted Access

- Two main categories of metrics:
  - **Time to nearest**
    - Simpler
    - Only reflects single closest facility
  - **Weighted access**
    - More complex, unitless index
    - Reflects multiple facilities
    - Needs decay calibration
    - Could combine across modes
- Both may be relevant in different goods/industry contexts
Air — Time To Nearest
Air — Weighted Access
Rail — Time To Nearest
Rail — Weighted Access
Port — Time To Nearest
Port — Weighted Access
Air Weighted Access — Congestion Impact
Next Steps

- Re-visit data sources to make sure we’re using the most appropriate
- Investigate weighting by # of firms at origins
  - Data requirements & availability
  - Level of detail — location & industry
- Make pilot data available for review by freight specialists
Member Updates
Other Business

Claire Johnson
Thank you!