



# Minnesota Technology Summit

August 17-20, 2020

# Coordinated Back Offices

- Goal: Cross-Agency Demand-Response Booking
  - Step 1: Build out GTFS, GTFS-Flex
  - Step 2: Integrate transactional data specification where relevant
  - Step 3: Review Scheduling & Dispatch software to maximize what's there
  - Step 4: Inventory of the components necessary to implement effective real-time scheduling and dispatch system to make cross-agency booking easier



# Universal Trip Planner

- Goal: Create one-stop-shop for passengers to book trips
  - Step 1: Discuss one-call/one-click centers by district
  - Step 2: Integrate human service providers
  - Step 3: Spec the tech. Real-time info, fare payment, provider aggregator
    - Consider broker model
  - Step 4: Develop trip planning app at state level
    - Leave open API to encourage other platforms to join



# Mobility Management

- Goal: To direct customers to the rides that best fit their needs in a personalized manner
  - Step 1: Aggregate available transit opportunities across regions, including human service options
  - Step 2: Work with RTCCs to establish mobility management framework, TMCCs
  - Step 3: Continuously work with RTCCs to maintain connection between MM and technological tools



# Data Collection

- Goal: Seamless Collection and Reduced Silos
  - Step 1: Review collected data points to balance information and overload
  - Step 2: Review performance metrics to account for cross-agency coordination
  - Step 3: Scope tech to make performance metrics easier to collect, connect to NTD reporting
  - Step 4: Research planning decisions – GIS, GPS data, travel patterns within/across service areas



# Filling Coverage Gaps

- Goal: Eliminate cell/radio coverage gaps
  - Step 1: Assess statewide coverage gaps
  - Step 2: Identify priority areas
  - Step 3: Identify funding and infrastructure opportunities to add capacity
    - Consider MNDOT Road Weather Information System, other existing DOT assets
    - Emerging options: extending internet networks



# Statewide Program Management

- Goal: Coordinate recommendations/tools regarding asset management, eligibility processes, schedule & dispatch and route optimization tools, driver baseline training
  - Step 1: Identify agencies interested in procuring tools as groups
  - Step 2: Explore statewide or regional policies for consistency in how systems provide cross-system trip coordination
  - Step 3: Identify contract specifications, language, scoping, to drive software providers to adapt and do what we want them to do
  - Step 4: Standardize eligibility processes related to cross-regional/statewide trip coordination



# Group procurement

- Goal: allow agencies to procure as a group, jointly
  - Step 1: Integrate Needs Assessments
  - Step 2: Identify components systems can procure locally, software state currently has, and software the state needs to procure to get systems on the same page
  - Step 4: Develop state-facilitated RFI/RFP for software that agencies can choose to opt into
    - Will spec add-ons based on agencies' sophistication needs
  - Step 5: Develop statewide data collection solution
    - Could include fare collection, scheduling & dispatch, or just data





# That's all, folks!

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