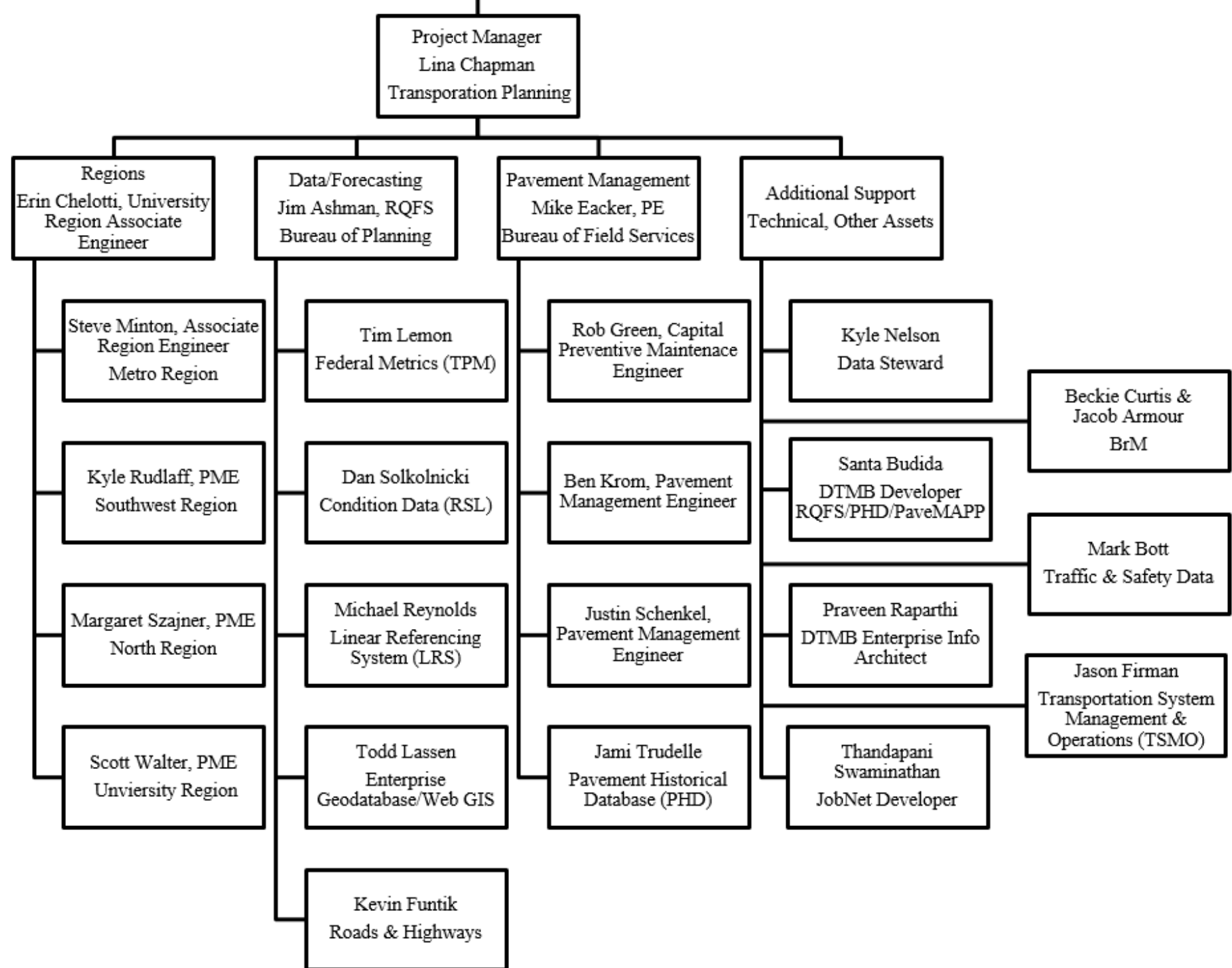




Project Identification Tool (PIT)
Michigan Department of
Transportation (MDOT)
for BrM User Group
September 2, 2020

Lina Chapman
Jim Ashman
Erin Chelotti
Mike Eacker
Tim Lemon

Team Members



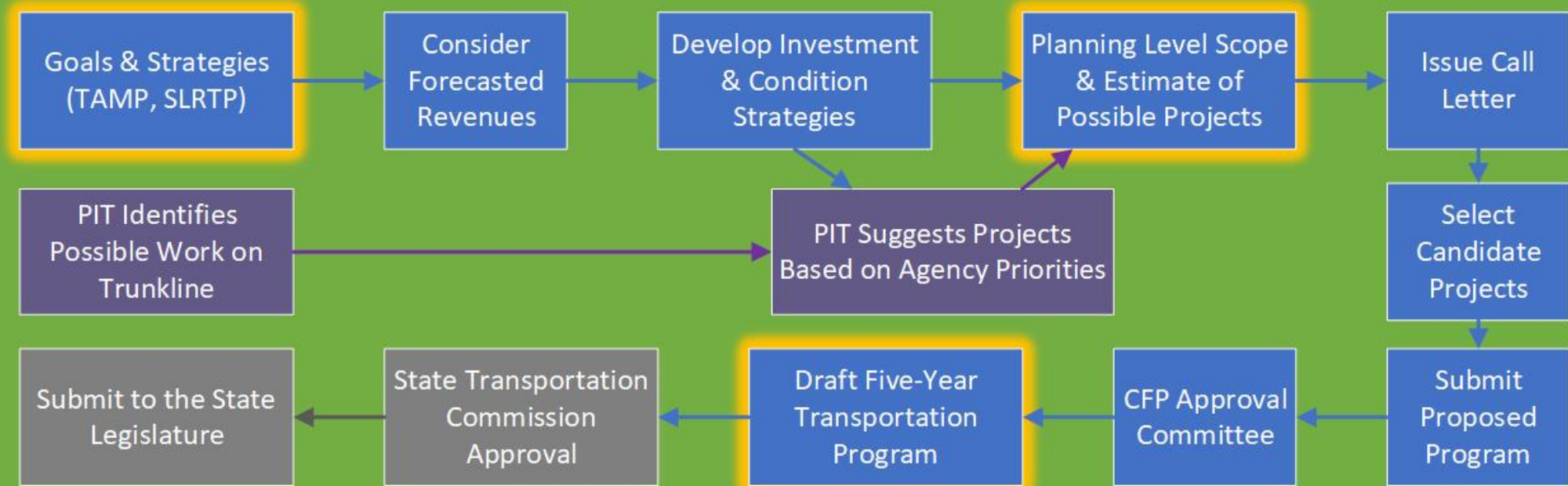
Business Need for the Project

- Core responsibility of the department is to maintain pavement assets
- Five-Year Transportation Program pulls projects selected in the prior year Call for Projects process.
- Assist Region System Managers in:
 - Identifying candidate pavement sections
 - Identifying best fix for those sections and recommend projects
 - Ranking those projects based on cost/benefit
- Assist central office planning staff in:
 - Forecasting pavement conditions and running scenarios based on Remaining Service Life (RSL) and Pavement Condition Measures (PCM)

Call for Projects Process

Including Implementation of the Project Identification Tool

Yellow Glow Indicates Public involvement with RTF and MPO Partners



Total Project Cost & Overall Schedule

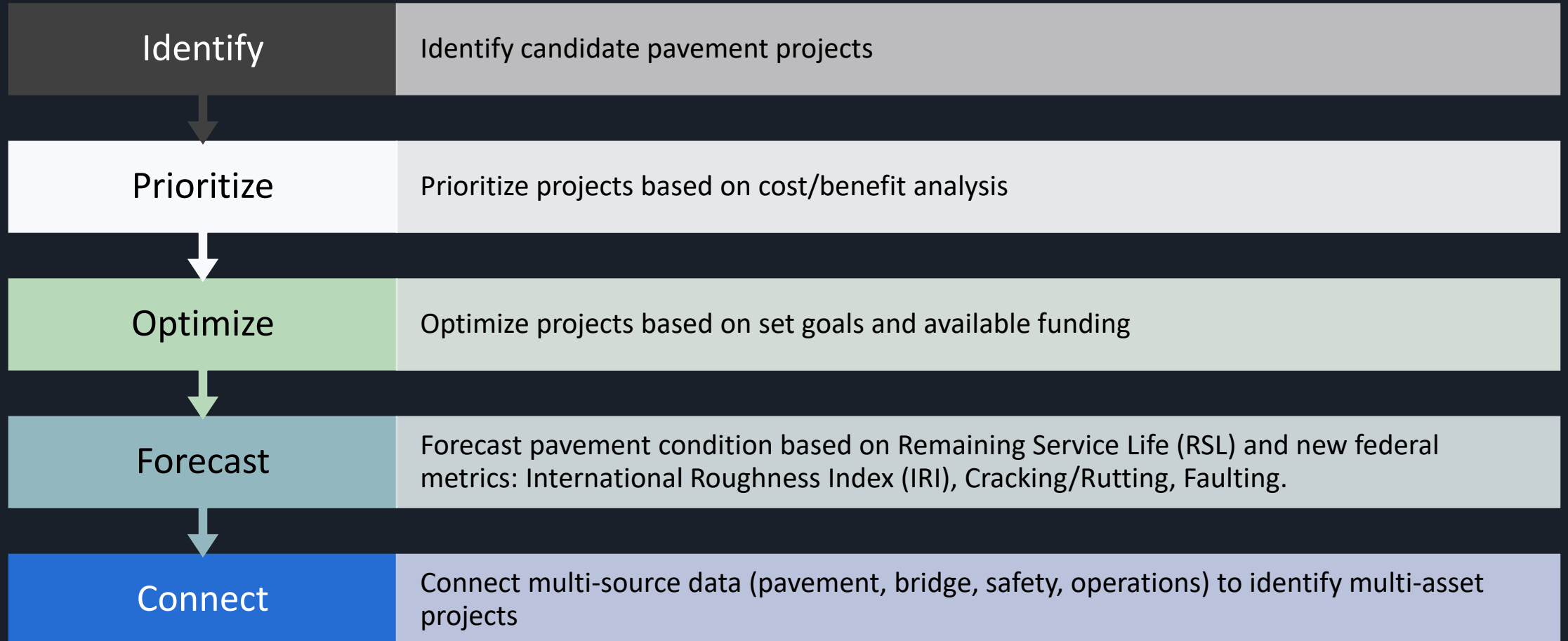


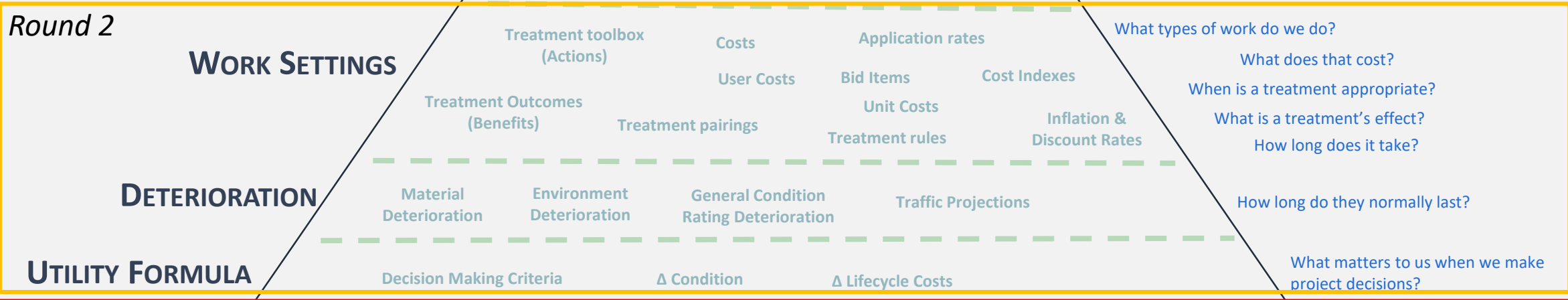
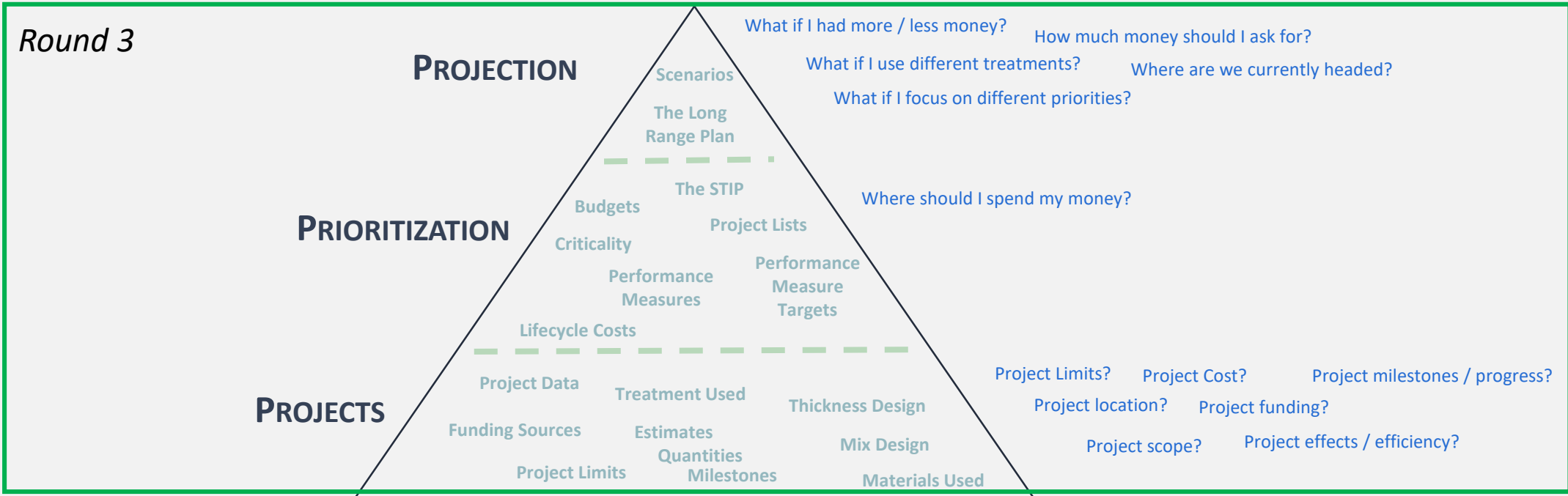
\$2.6M PROJECT
STATE PLANNING & RESEARCH
PROGRAM



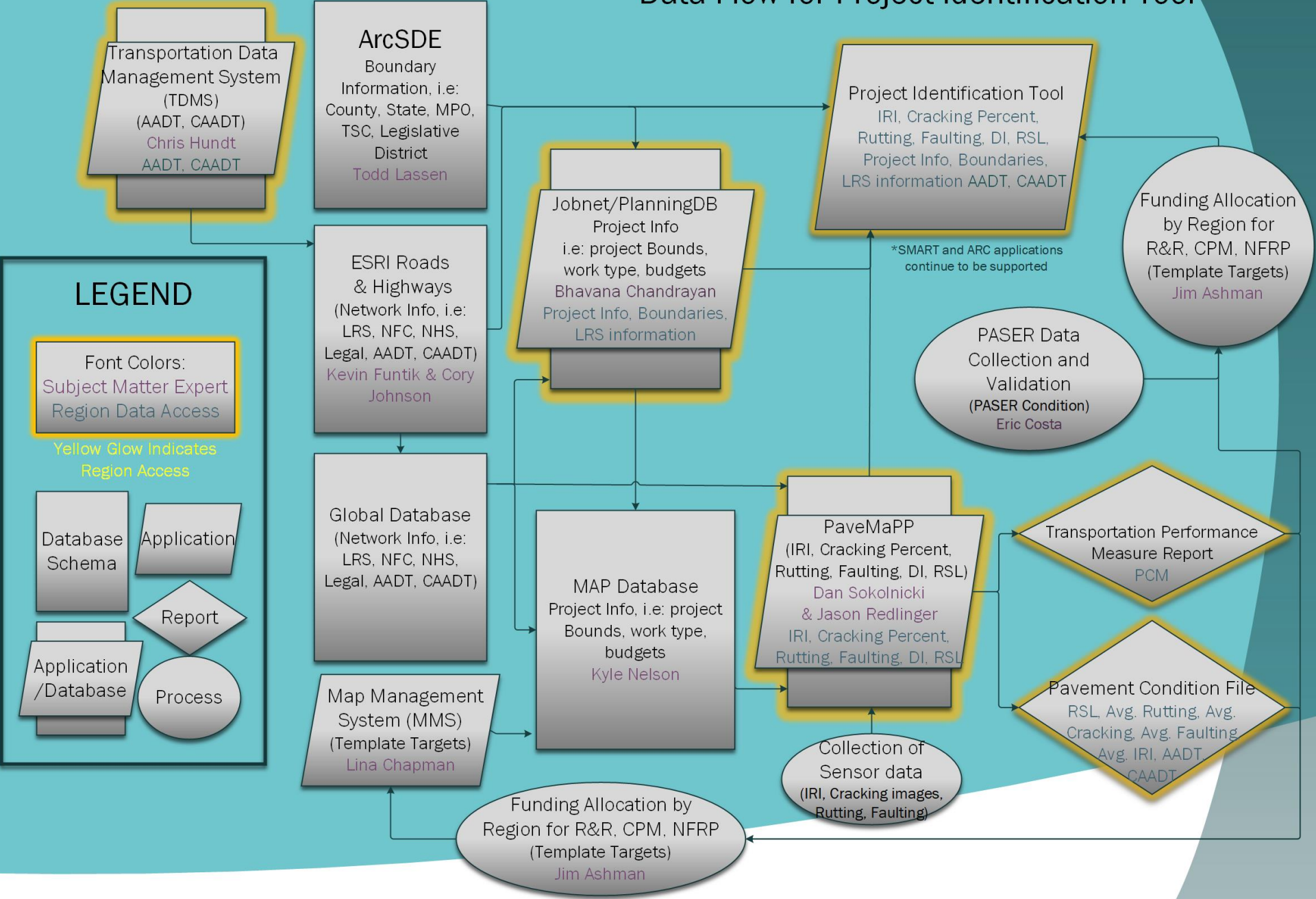
PROJECT BEGAN APRIL 2020
COMPLETION BY FEBRUARY 2022

Objectives of the PIT





Data Flow for Project Identification Tool



High-Level Project Schedule

<u>Round 1</u> April 2020 <i>Complete</i>	Virtual Session <ul style="list-style-type: none"> • Pavement List Screen • Segment Manager Screen • Asset Link Manager Screen • Element & Metric Deterioration Screen • General Condition Rating Builder Module 	Requirements Gathering Screen Design Review FDS Creation/Review	Development	Testing
<u>Round 2</u> August 2020 <i>Complete</i>	Virtual Session <ul style="list-style-type: none"> • Inventory Screen • Base Inspection Module • Utility, Utility Weight Profiles, and Analysis Module • GCR Deterioration – Stepped/Linear Screen • Benefits Modules • Actions Screen • Network Policies Module • Lifecycle Policies Module • Funding Sources Screen 	Requirements Gathering Screen Design Review FDS Creation/Review	Development	Testing
<u>Round 3</u> TBD	Virtual Session <ul style="list-style-type: none"> • Projects Module • Prioritizer Screen • Analysis – Single Segment Screen • Pavement Optimizer Module 	Requirements Gathering Screen Design Review FDS Creation/Review	Development	Testing

Unique Requirements for Pavement

- Management sections can have multiple PRs
- Whole asset approach to programming and deterioration
- Implementation of federal and state metric and measure definitions

