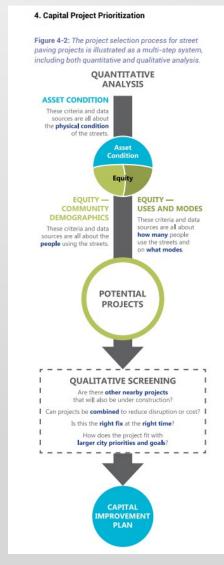
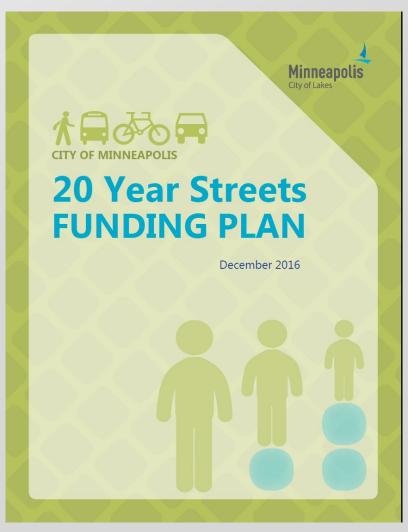
City of Madison Department of Transportation & City Engineering

Transportation Improvement Program Screening and Project Development Tool

Early Desire to Document TIP Selection Process 4. Capital Project Prioritization



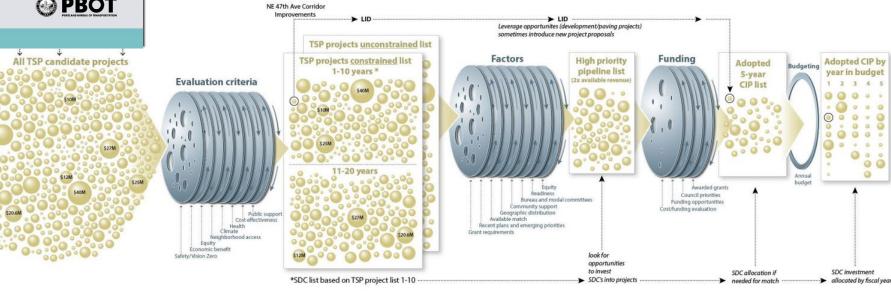


Minneapolis

Early Desire to Document TIP Selection Process

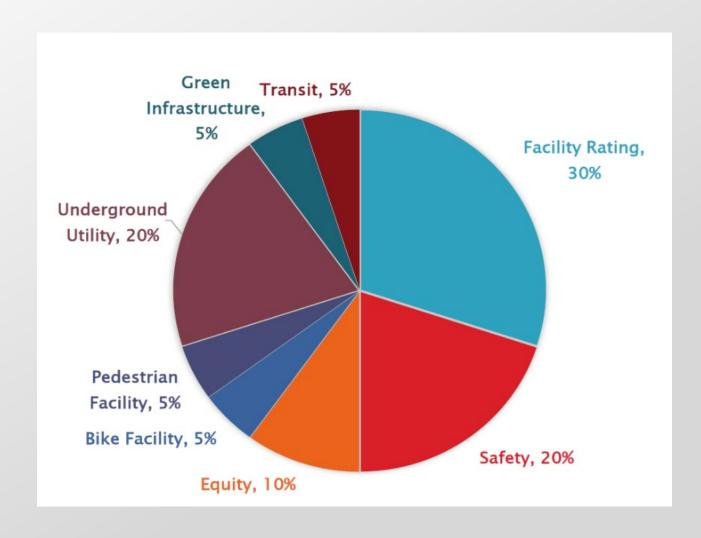


Portland





City Engineering Proposal 2020 & 2021



- Similar to one used by Minneapolis's 20-year Capital Improvement Program.
- Created multiple factors to evaluate capital projects

Previous Proposal's Challenges

- Weighting categories allowed streets without a reconstruction need to score higher than streets with a reconstruction need.
 - Defeats key objective of reconstruction program.
- Difficult to incorporate Utility reconstruction needs and utility funding ability.
- Difficult to score some categories such as "green infrastructure"
- Doesn't consider development opportunities
- Submittal of Capital Projects to Finance is due two months earlier in 2022

TPPB Approved Proposal

2023 TIP

- Provide scores for projects already in TIP with a few modifications
 - Pavement Cond
 - Equity
 - Safety
 - Utilities
- Submit to Finance 4/22

Refining criteria....

2024-2028 TIP

- Pilot a multi-stage process
- Provide interim results to policymakers in spring/summer 2022
- Use for TIP submittal in 2023

TIP

RECONSTRUCTS
Pavements & Utilities
with Critical Needs

Eligible Segment Screening

- Pavements ≤ 4
- Water med. or high risk
- Sanitary ≤ 3
- Proposed Storm
- Platted Roads
- HIN segments
- City-maintained Roads

GIS

Assign Raw Score

- Pavement (0-30)
- Sanitary (0-10)
- Water (0-10)
- Storm (0-10)
- Ped (0-8)
- Bike (0-6)
- Transit (0-6)
- Unique Factors (0-20)

GIS

Weight Segments

- + 5% raw score if on HIN
- + 15% raw score if in equity area

GIS

Scope & Budget

- Assemble into logical groupings
- Eliminated nonreconstructs
- Prioritize Groupings
- Recommend for budget

Discretion

SAFE STREETS

NONRECONSTRUCTS
Pavements without critical needs

Identify Needs

Candidate projects
 identified through
 community input, NRTs,
 staff observations



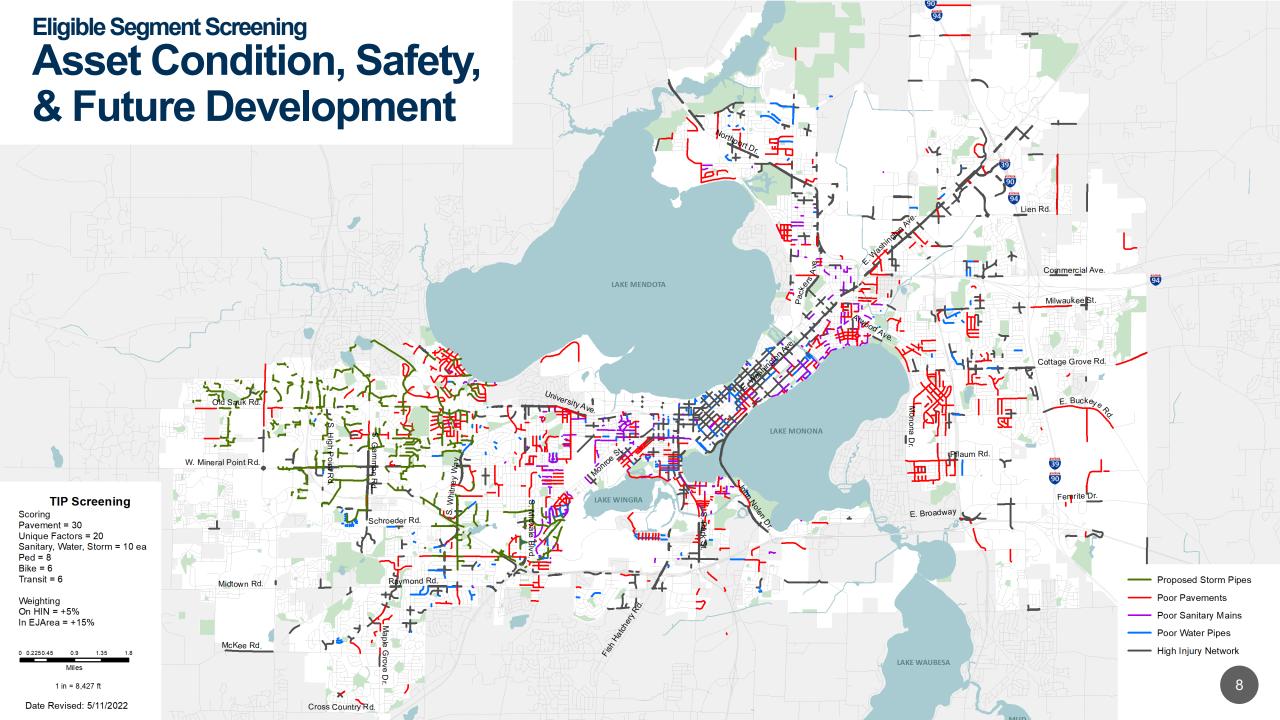
Evaluate Projects

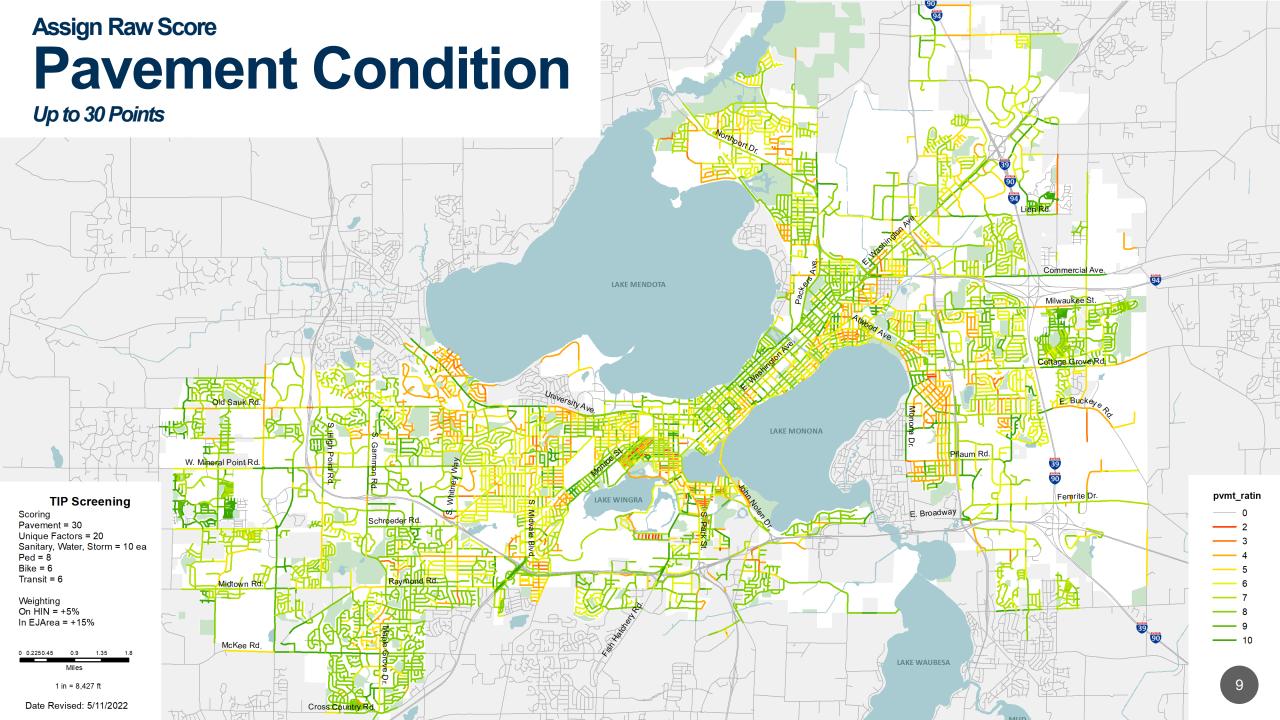
- Evaluate candidate projects using safety, equity, ability to fill gaps, cost as metrics
- Prioritize

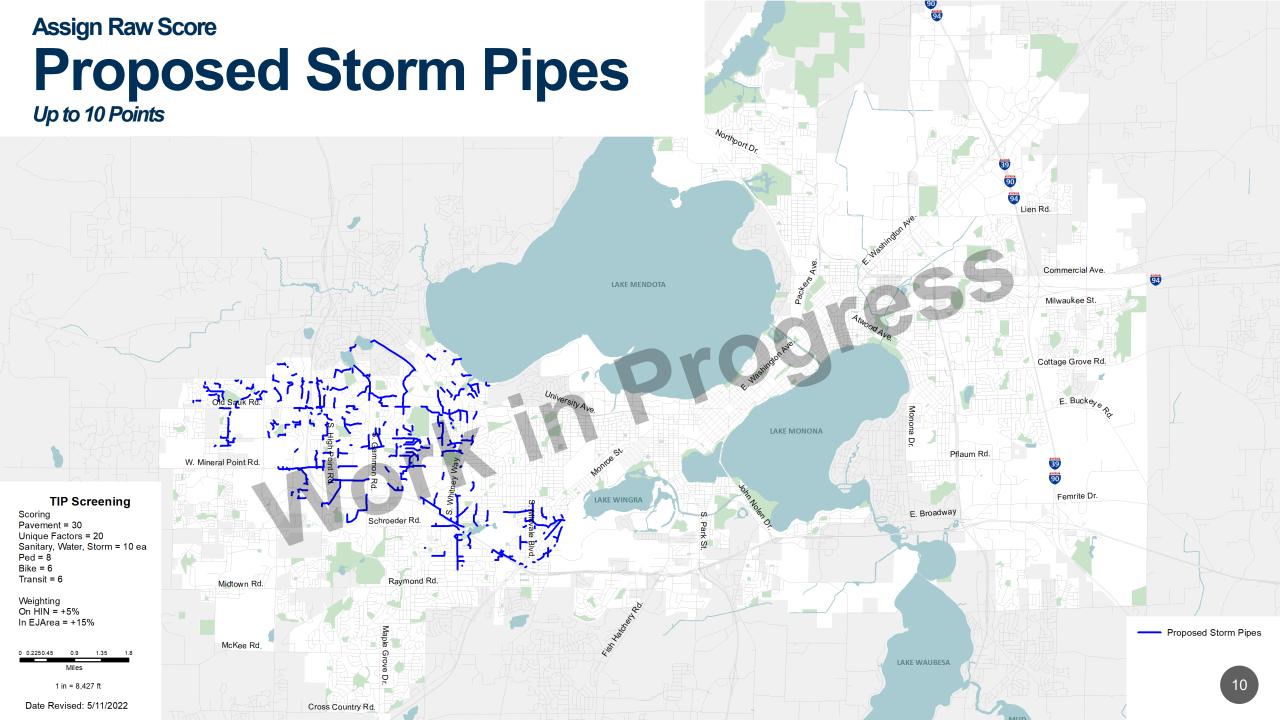


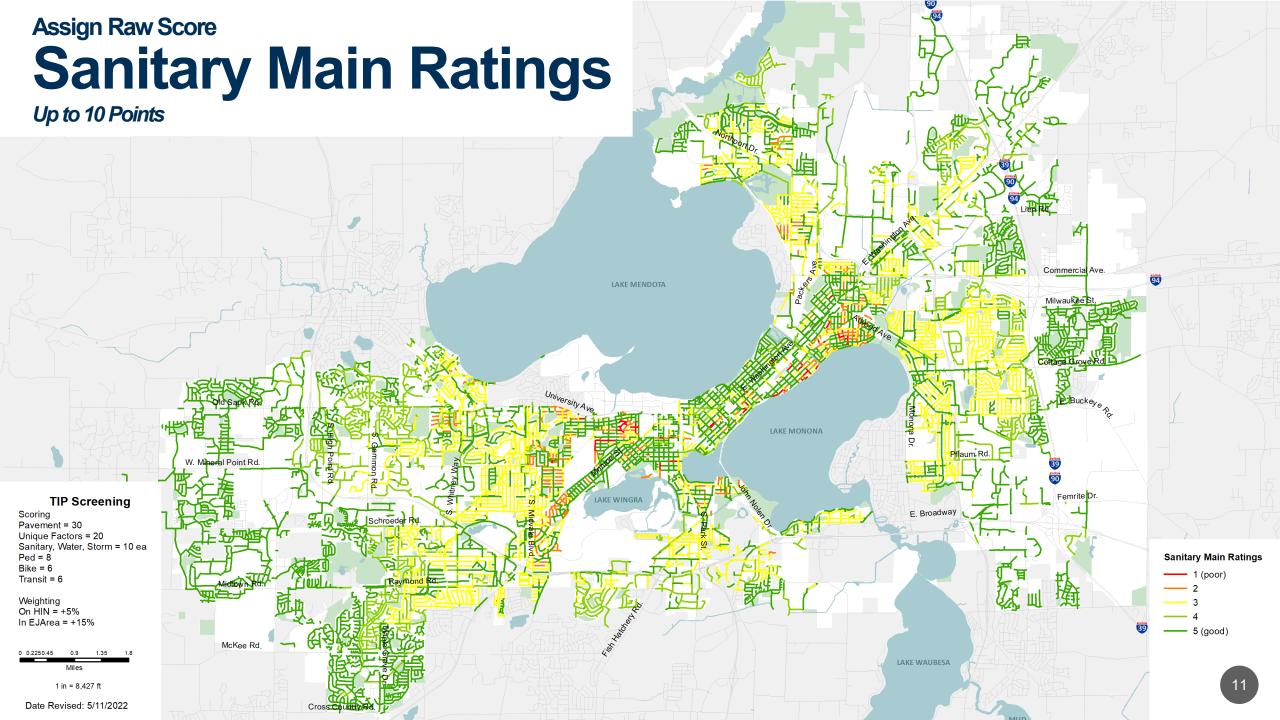
TC Approval

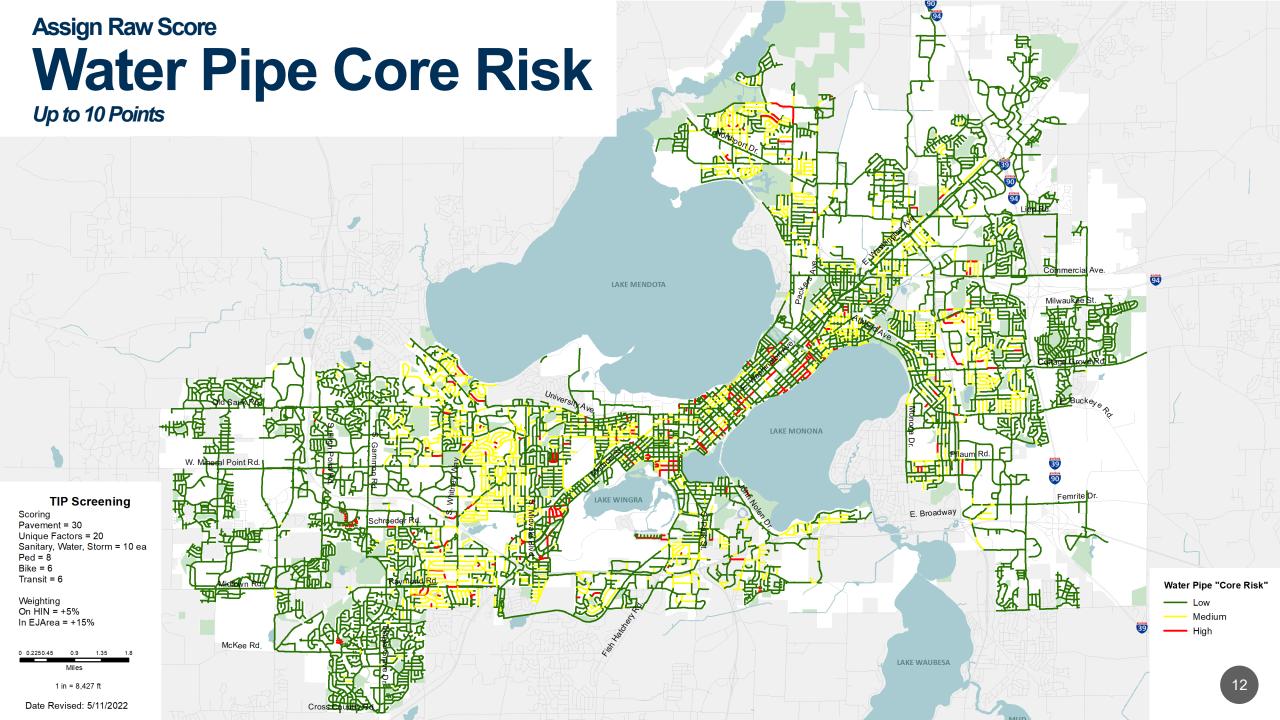
- Review evaluation
- Modify prioritization as appropriate
- Approve

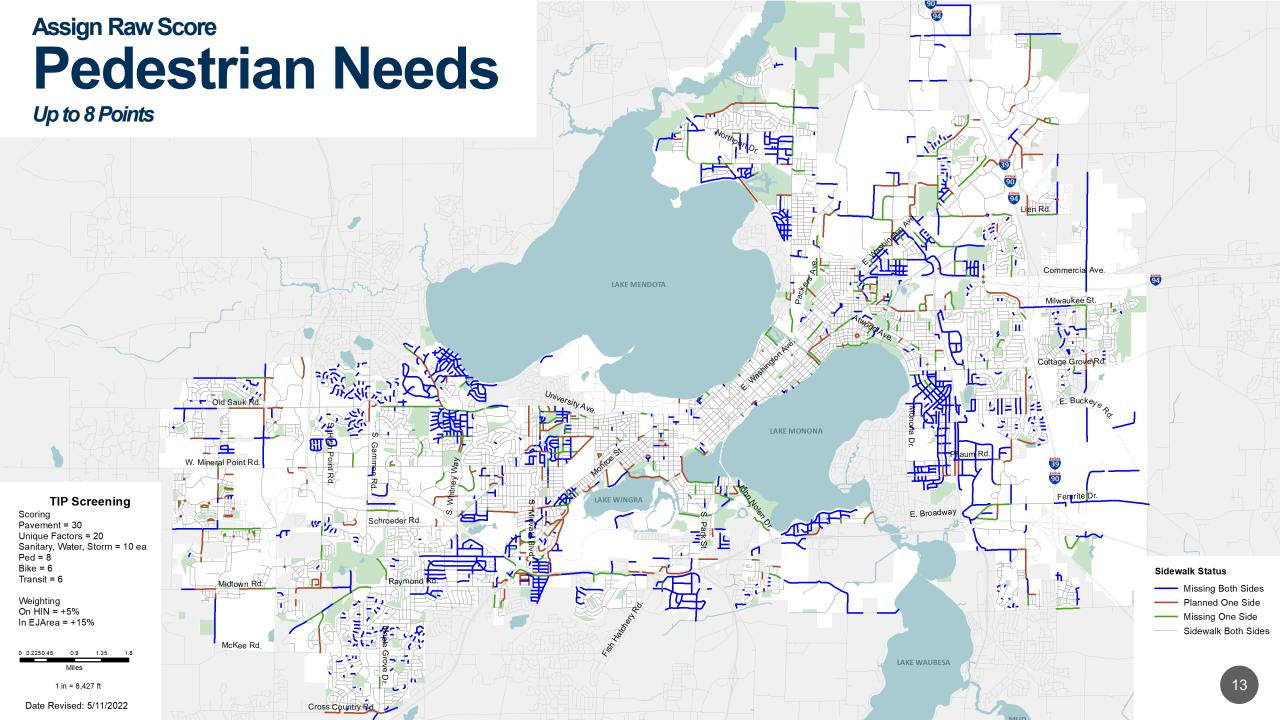


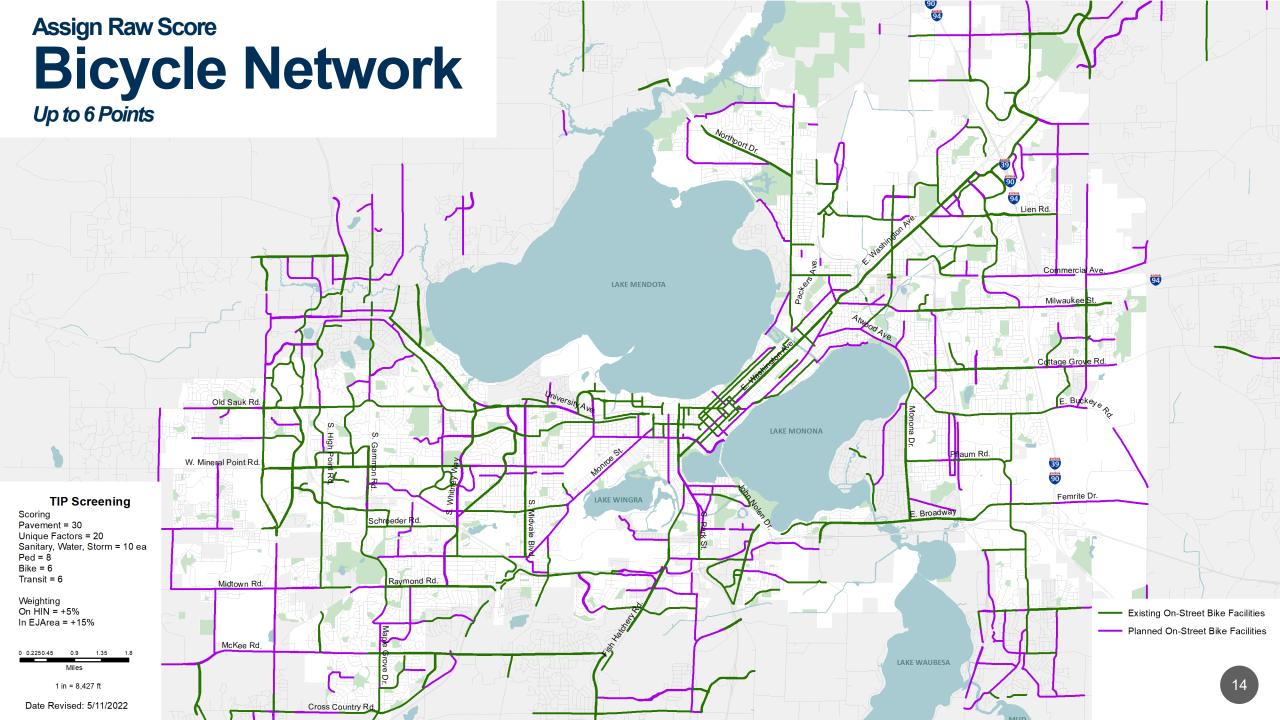


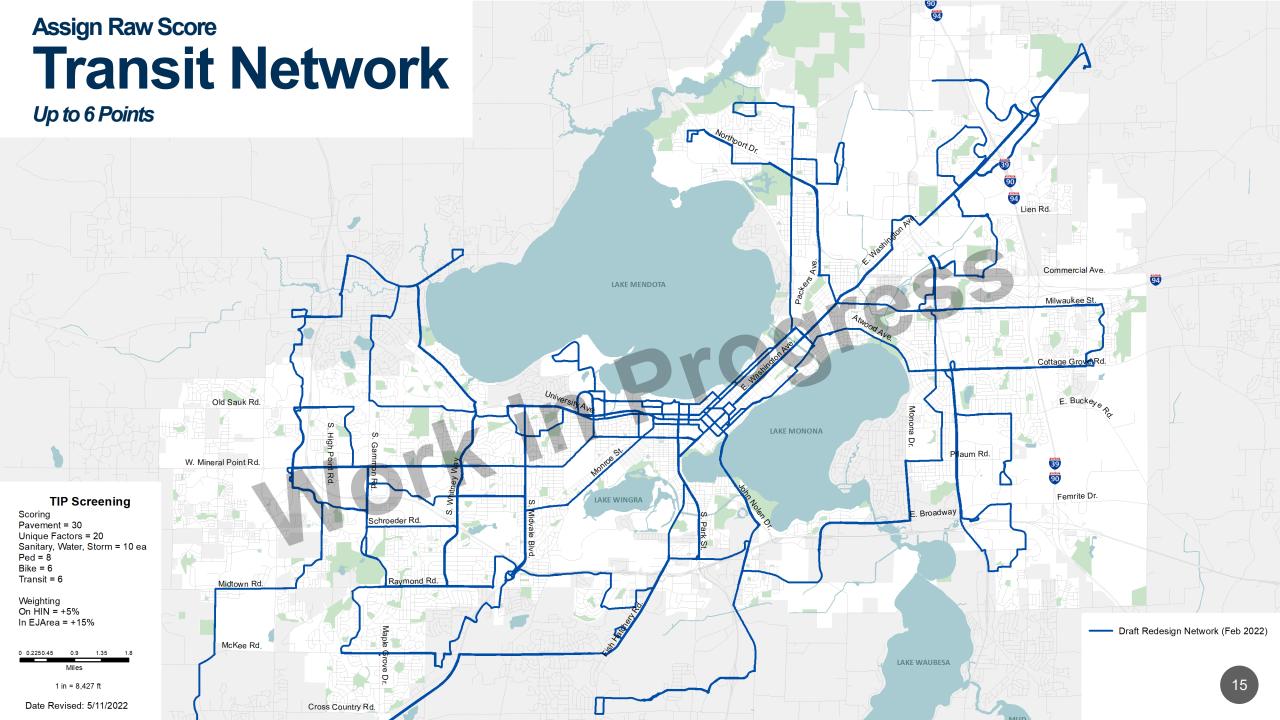


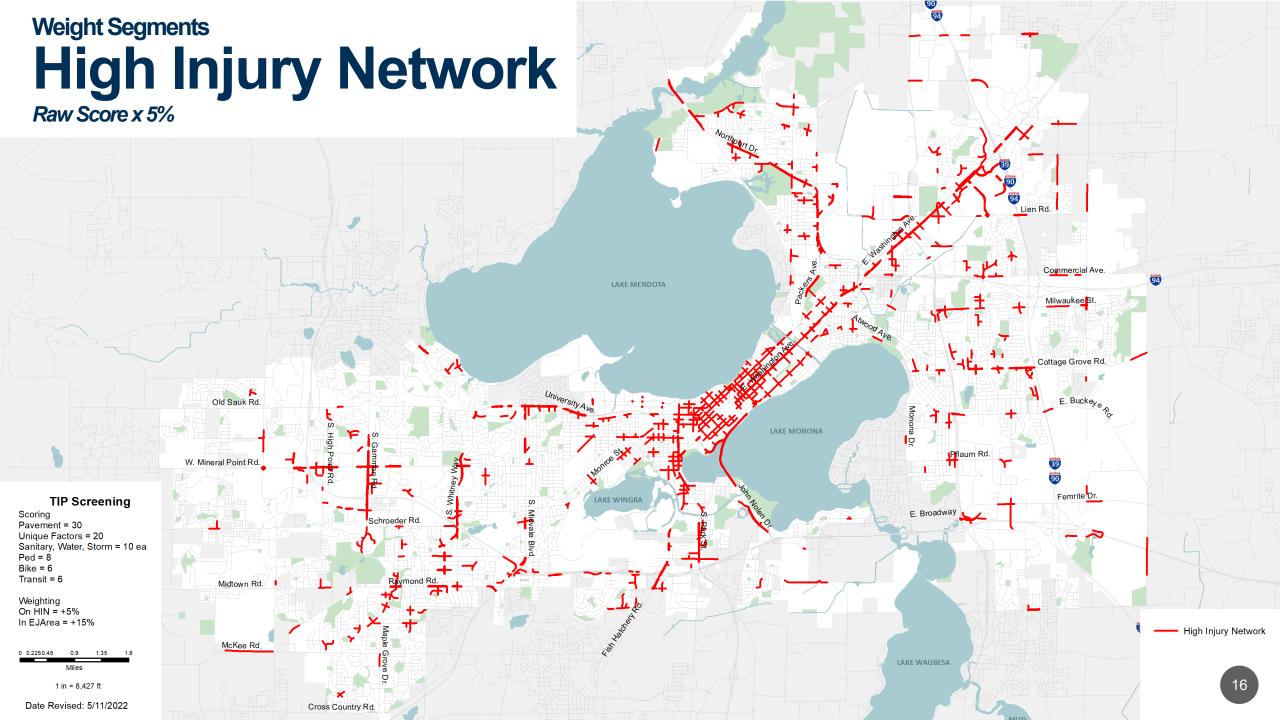


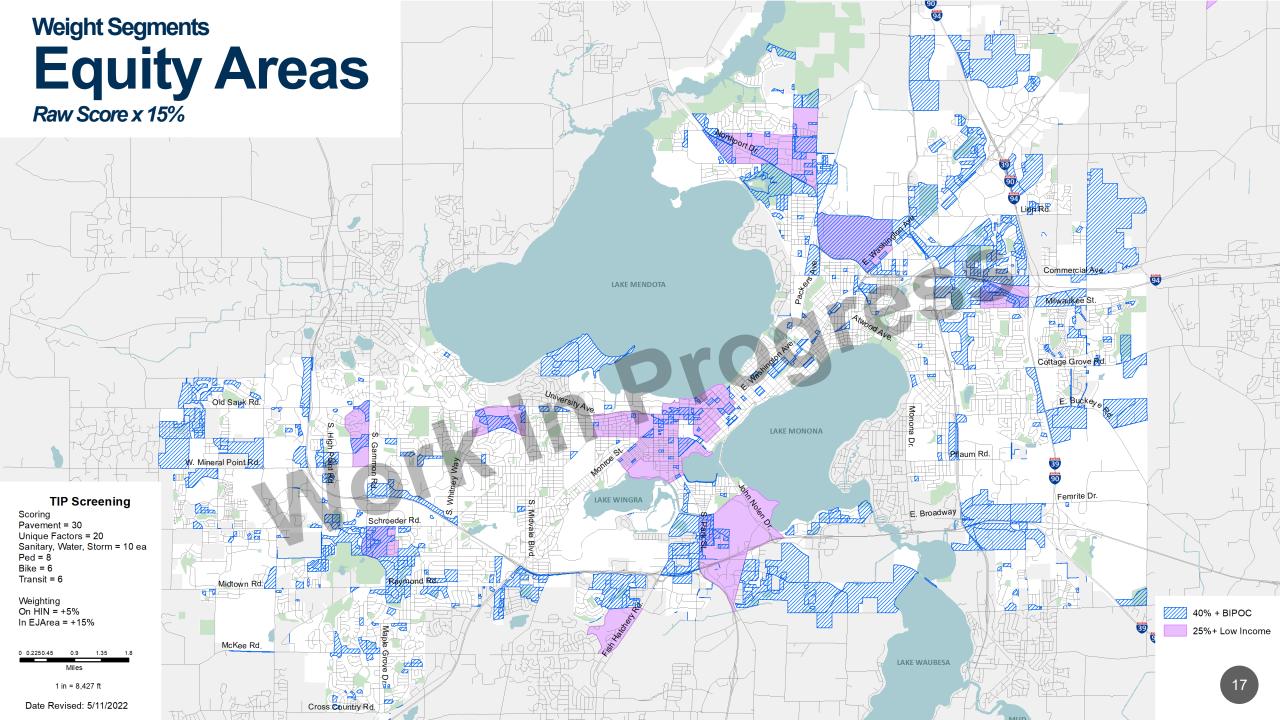


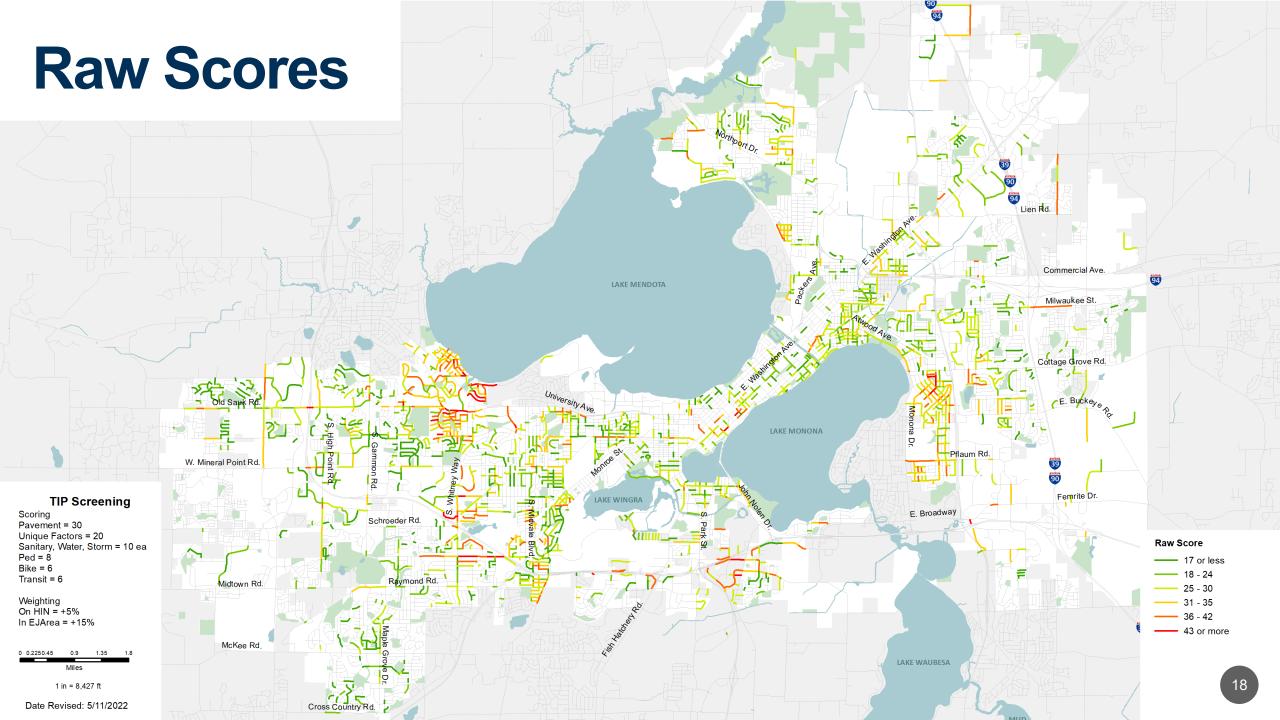


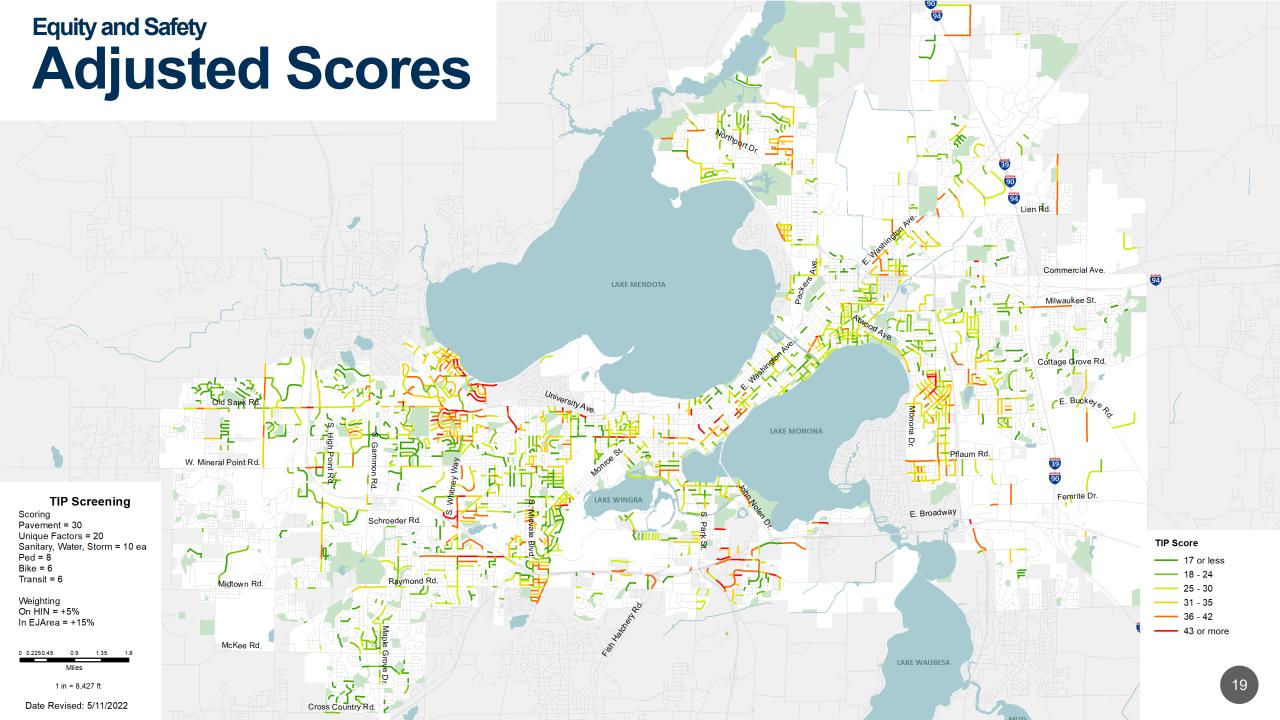


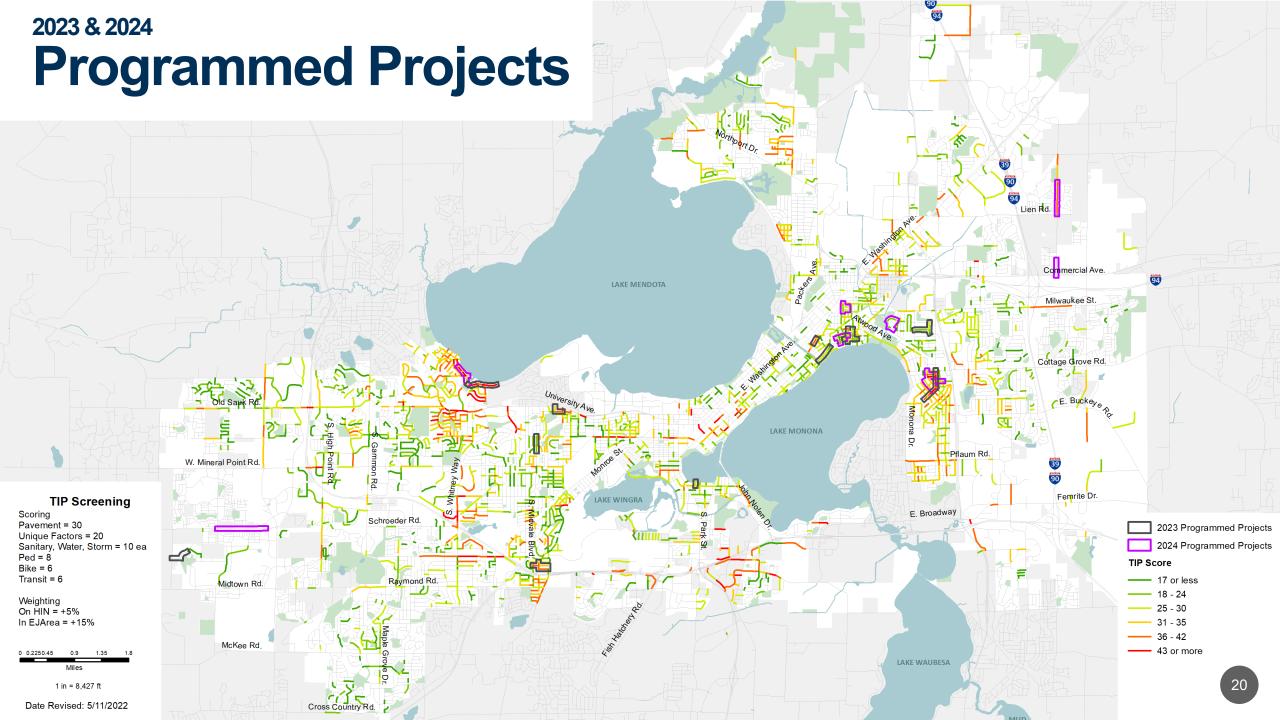












Questions, Comments, or Suggestions?