CITY OF ANN ARBOR CROSSWALK PRIORITIZATION

Presentation to

Transportation Commission

NOVEMBER 20, 2019

HISTORY/BACKGROUND

- Improvements Identified in Non-Motorized Plan

- Complete Streets

- Challenges to moving forward

CROSSWALK EVALUATION

- Evaluated all existing & 2019 construction crosswalks using Crosswalk Design Guidelines

    - Existing Design Level v. Target Design Level

    - What locations are below Target Design Level?

Pedestrian Crosswalk Design Process
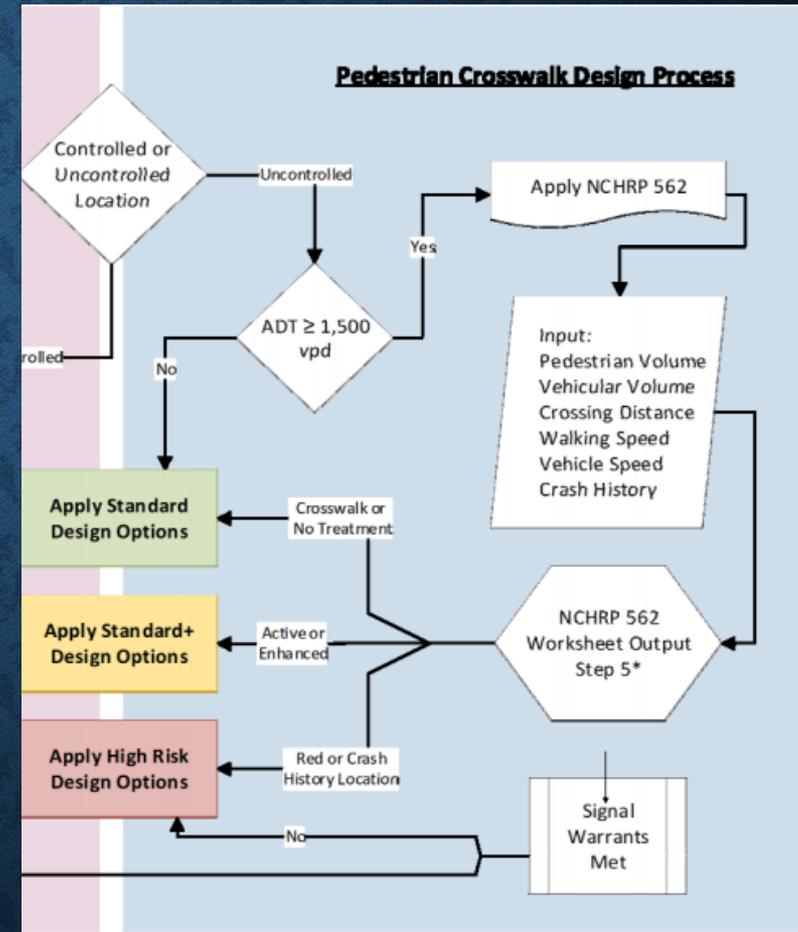
CROSSWALK PRIORITIZATION

- Data:
  - 221 existing marked crosswalks (not including local neighborhood crosswalks)
  - 26 identified as below Target Design Level
  - Estimated cost to upgrade remaining = $310k to $1.27M

- Initial Prioritization Effort
  - Limited budget
  - Selection of criteria to be as "automated" as possible through Geographic Information System (GIS)

CROSSWALK PRIORITIZATION

- Selected Criteria Included:
  - Proximity to Pedestrian Attractors
    - Transit
    - Schools
    - Affordable Housing
    - Other Attractors
  - Pedestrian/Automobile Incidents
  - Road Classification
  - Requests
  - Non-Motorized Plan

CROSSWALK PRIORITIZATION

- Weighting of Criteria

- Prioritization to create work plan for future construction

- Some 2019 construction

- Lighting requests via DTE for new crosswalks

- "Evidence of Community Support"

- Ped/Auto Crash History

CROSSWALK PRIORITIZATION

- Re-Weighting the Criteria:

CRITERIA ITEM	Sidewalk Weight	Crosswalk Weight
Evidence of Community Support	100	100
Proximity to Schools	90	90
Pedestrian/Auto Crashes	80	80
Proximity to Transit	75	75
Proximity to Affordable Housing	60	60
Proximity to Other Attractors*	60	60
Classification of Adjacent Road	60	60
Near Term Opportunity in City's Non-Motorized Plan	40	40
City-Owned Parcels	40	0
Gap Length	30	0
*Library, Government Office, Major Commercial Attractor, or Park		

NEXT STEPS

- Feedback

- Create and Run the Model

    - Create map

- Create Work Plan

    - CIP Project: Major Mid-Block Crossings

QUESTIONS?