



Pedestrian Hybrid Beacons in Austin

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Transportation & Public
Works Department



Austin PHB History

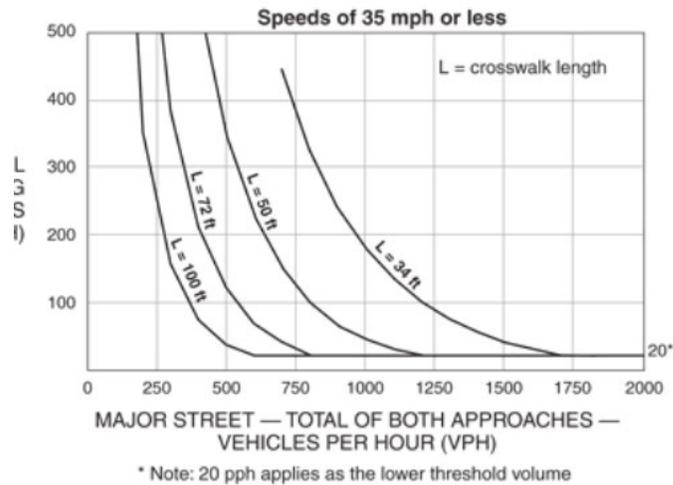
- 2008-2009: City of Austin worked with the State legislature to modify the State Vehicle Code to permit PHBs
- 2009: Austin's First PHB at Lamar & 47th
- 2009-2015: Request Driven Process
- 2015-2021: Request Driven Process *w/Prioritization Criteria Added*
- 2021: System Driven Prioritization Process





Austin PHBs

- Aim to provide safe pedestrian environment
- MUTCD Guidance limited
 - 20 crossings/hour threshold



- Supplement MUTCD guidance with a gap study
- Latent demand due to too few gaps





Austin PHBs

- Eligibility
 - > 300 ft from existing signal
 - At least 3 lanes to cross
- Priority Scoring Evaluation
 - Distance to nearest crossing
 - Speed limit
 - Lanes to cross
 - Presence of Refuge
 - Crash history
 - Land use & Transit Stops
 - Safe routes to schools
 - Environmental & Economic Justice areas





Austin PHBs – Data Driven Approach

Data Driven PHB Ranking

Created for Arterial Management - Austin Transportation Department

Criteria Point Breakdown ¹⁰⁰

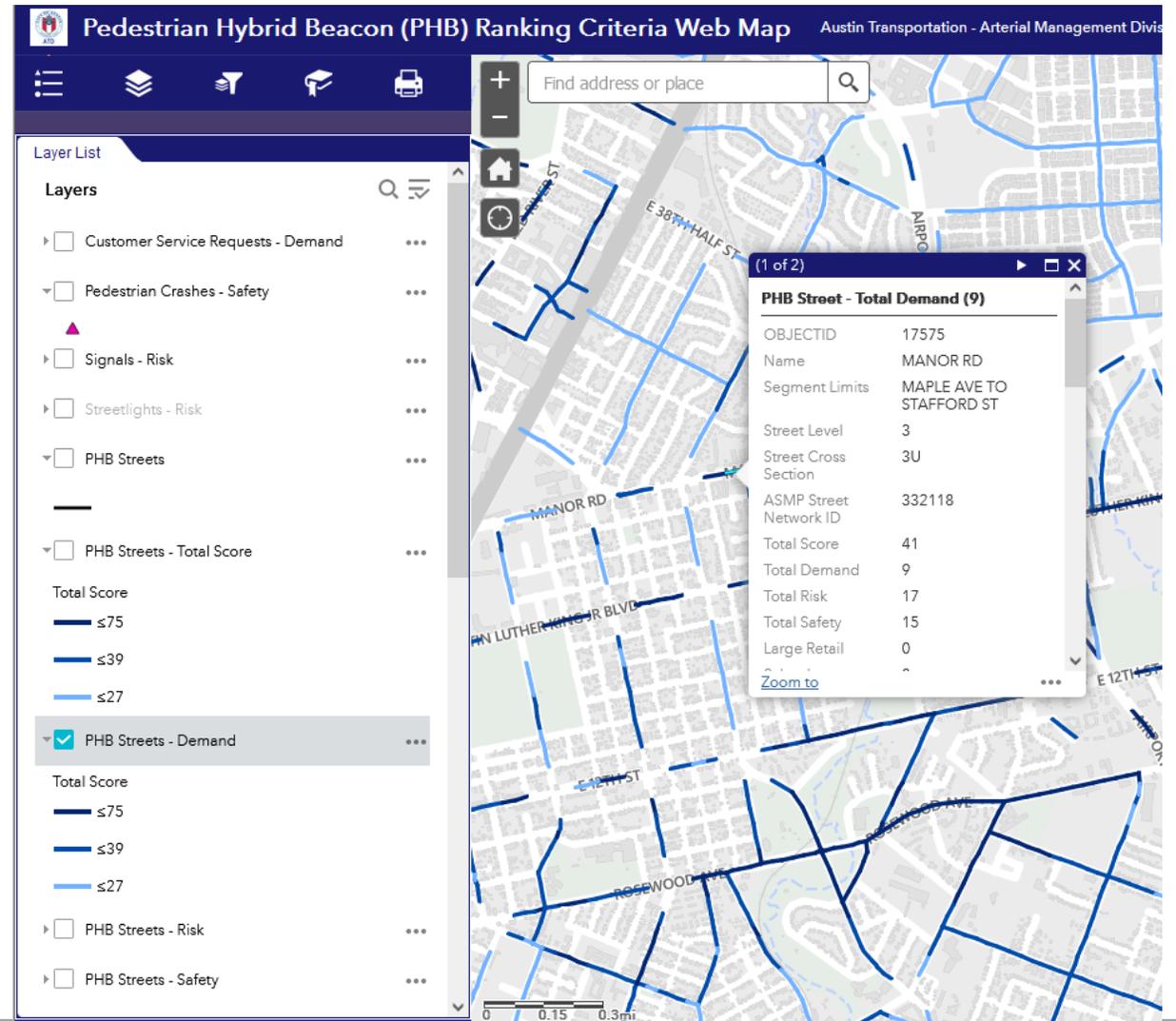
The Criteria Ranking Score is based on the Total Rank Score of 100 points, which is broken down into 3 Sections: Demand, Risk, and Safety. Each Section has a set number of Categories with specific point breakdowns, depending on the data being measured. The list below breaks down the Categories by Section, providing details on point structure.

Demand (35 pts)

12 Points Max. Combined       

• TOTAL_12MAX (12 points)

- Large Retail - LARGE_RETAIL = 3 points **per** large retail space
- School - SCHOOL = 3 points **per** school
- Church - CHURCH = 3 points **per** church
- Park - PARK = 3 points **per** park
- Large Office - LARGE_OFFICE = 3 points **per** large office space
- Multi-Family Housing - MULTIFAMILY = 3 points for apartment complex or condos
- Social Services - SOCIAL_SERVICE = 3 points **per** social service office





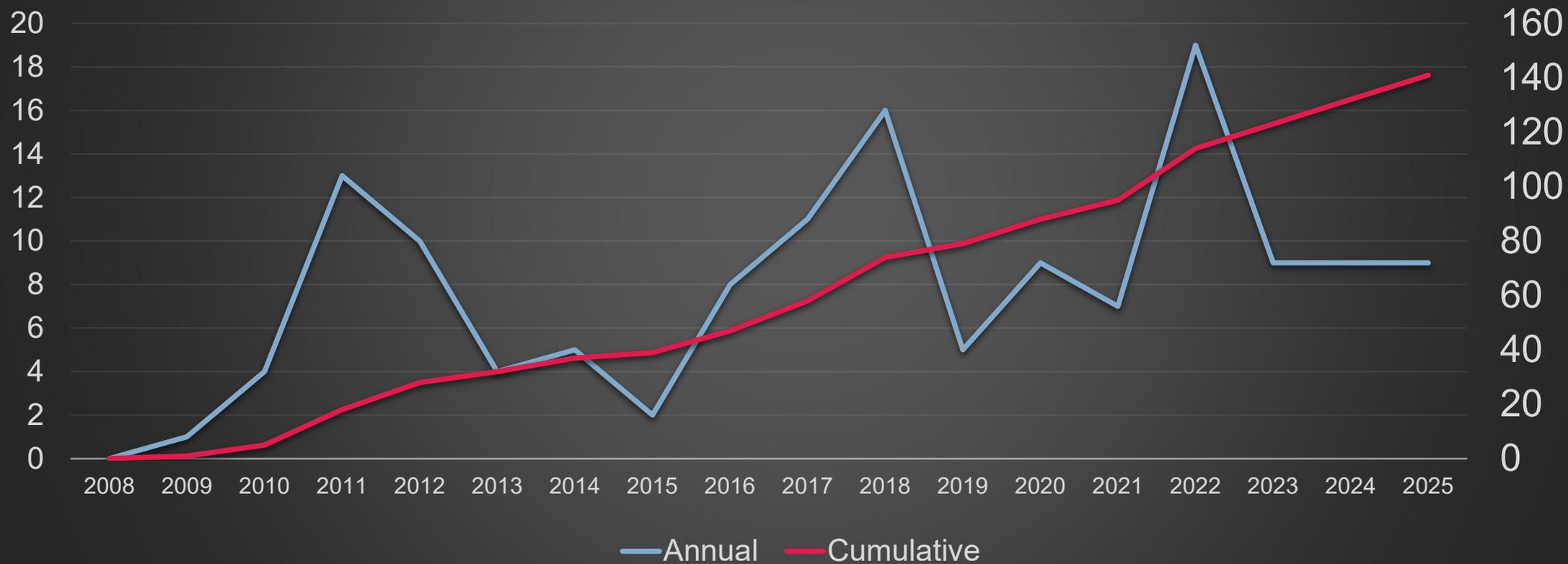
Austin PHBs at Intersections





Austin Pedestrian Hybrid Beacons (PHBs)

No. of PHBs in Austin





Austin PHBs – Future

- Continue deployment of PHBs through multiple funding opportunities:
 - CAMPO
 - Safe Streets for All Grants
 - Bond funding
 - Private development
- Incorporate the PHB program into the Pedestrian Crossing Program



Thank You!