

Pedestrian Hybrid Beacon Warrant Policy

Transportation Department

Transportation Advisory Board

March 20, 2018

Sabine Ellis, City Traffic Engineer



What is a Pedestrian Hybrid Beacon

Pedestrian Hybrid Beacon (PHB) is a traffic control device used to stop vehicular traffic and allow pedestrians and bicyclists to cross safely



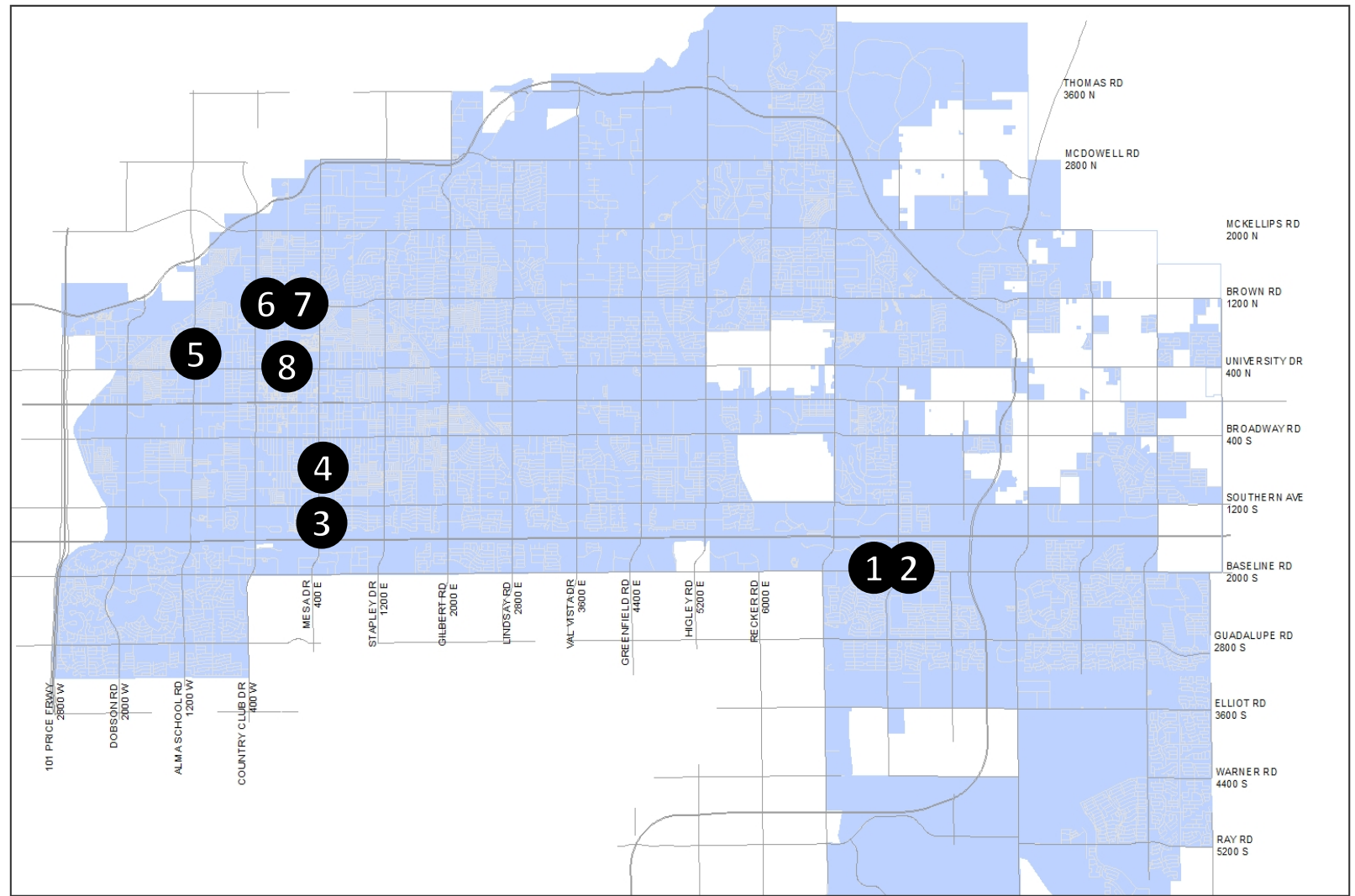
Intent of PHB Warrant Policy

Identify criteria used when evaluating the installation of PHBs within the City of Mesa

Locations

City of Mesa Pedestrian Hybrid Beacons

- 1. Sossaman Rd**
between Baseline Rd and Juanita Ave
- 2. Sossaman Rd**
between Iverness Ave and Irwin Ave
- 3. Mesa Dr**
between Hampton and Glade Ave
- 4. Mesa Dr**
between 10th Ave and 10th Dr
- 5. Alma School Rd/7th St Intersection**
- 6. Brown Rd**
between Mesa Dr and Pasadena
- 7. Brown Rd**
between Center St and Grand
- 8. University Dr/N Grand Intersection**



PHB Warrant Analysis Evaluation

The following factors are some items staff will evaluate prior to conducting a PHB Warrant Analysis

Consideration factors

- **Crash history**
- **Roadway layout**
- **Sight visibility**
- **Right-of-way**
- **Utility conflicts**
- **Adjoining sidewalks or pathways**
- **Existing signal network**
- **Cost to supply power**

PHB Warrant Analysis Evaluation

Staff will evaluate a PHB installation using the PHB Warrant Analysis. A minimum of **60 points** is recommended

PHB Warrant Analysis

Category	Points Possible
Average peak hour pedestrian/bicycle activity	25
Roadway traffic volume	25
Proximity to signalized/STOP controlled intersection	15
Proximity to pedestrian activity generator (senior center, medical facility, school, etc.)	15
Posted speed limit	12
Roadway number of vehicle travel lanes	8
Total	100

Approval Process

Staff will budget for one (1) PHB per Fiscal Year. Additional PHB requests will be evaluated and prioritized using the PHB Warranty Policy.



Staff Evaluation



**Budget Adjustment Request
added to next budget cycle**



**The PHB Warrant Policy was
approved by Mesa City Council
on January 11, 2018**

Discussion & Questions

