

PEDESTRIAN HYBRID BEACON INSTALLATION RIDGE AVE., WAYNE AVE., AND HOLLYWOOD AVE.

May 7, 2025



AGENDA

- 1.Introductions
- 2.Slideshow presentation
- 3.Discussion breakout



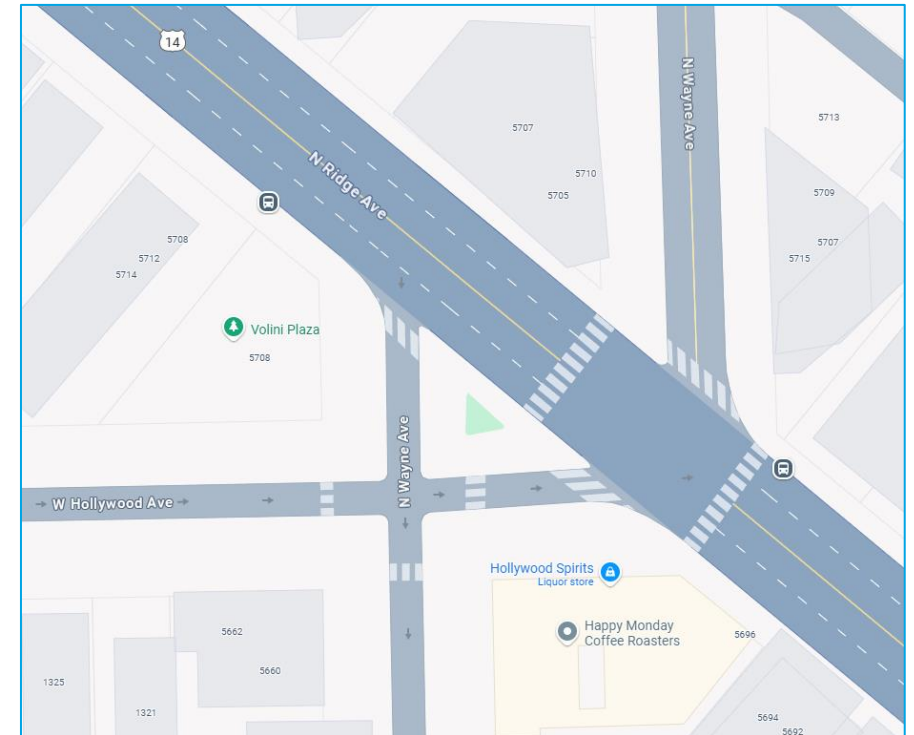
PROJECT OVERVIEW

1. Project Background
2. Existing Conditions
3. Proposed Improvements
4. Pedestrian Hybrid Beacon operation
5. Next Steps



PROJECT BACKGROUND

- History of difficult pedestrian crossing conditions on Ridge Ave. at 5-way intersection of Ridge, Wayne, and Hollywood
 - Fatality in July 2021 while pedestrian attempted to cross south leg of Ridge
- CDOT recommends Pedestrian Hybrid Beacon in December 2021
- IDOT concurs with recommendation in January 2023
- Design funded and underway as of April 2023
- Construction to be funded by Capital Bond funding



PROJECT LOCATION



EXISTING CONDITIONS

RIDGE AVE APPROACHES



NORTHBOUND LANES ON RIDGE LOOKING NORTHWEST



SOUTHBOUND LANES ON RIDGE LOOKING SOUTHEAST

EXISTING CONDITIONS

SOUTH CROSSING



SOUTH CROSSWALK ON RIDGE LOOKING NORTHEAST



SOUTH CROSSWALK ON RIDGE LOOKING WEST

EXISTING CONDITIONS

NORTH CROSSING



NORTH CROSSWALK ON RIDGE LOOKING EAST



NORTH CROSSWALK ON RIDGE LOOKING SOUTHWEST

EXISTING CONDITIONS

WEST CROSSINGS



NORTHWEST CORNER LOOKING SOUTHEAST



SOUTHWEST CORNER LOOKING SOUTHEAST

EXISTING CONDITIONS

ISLAND GARDEN

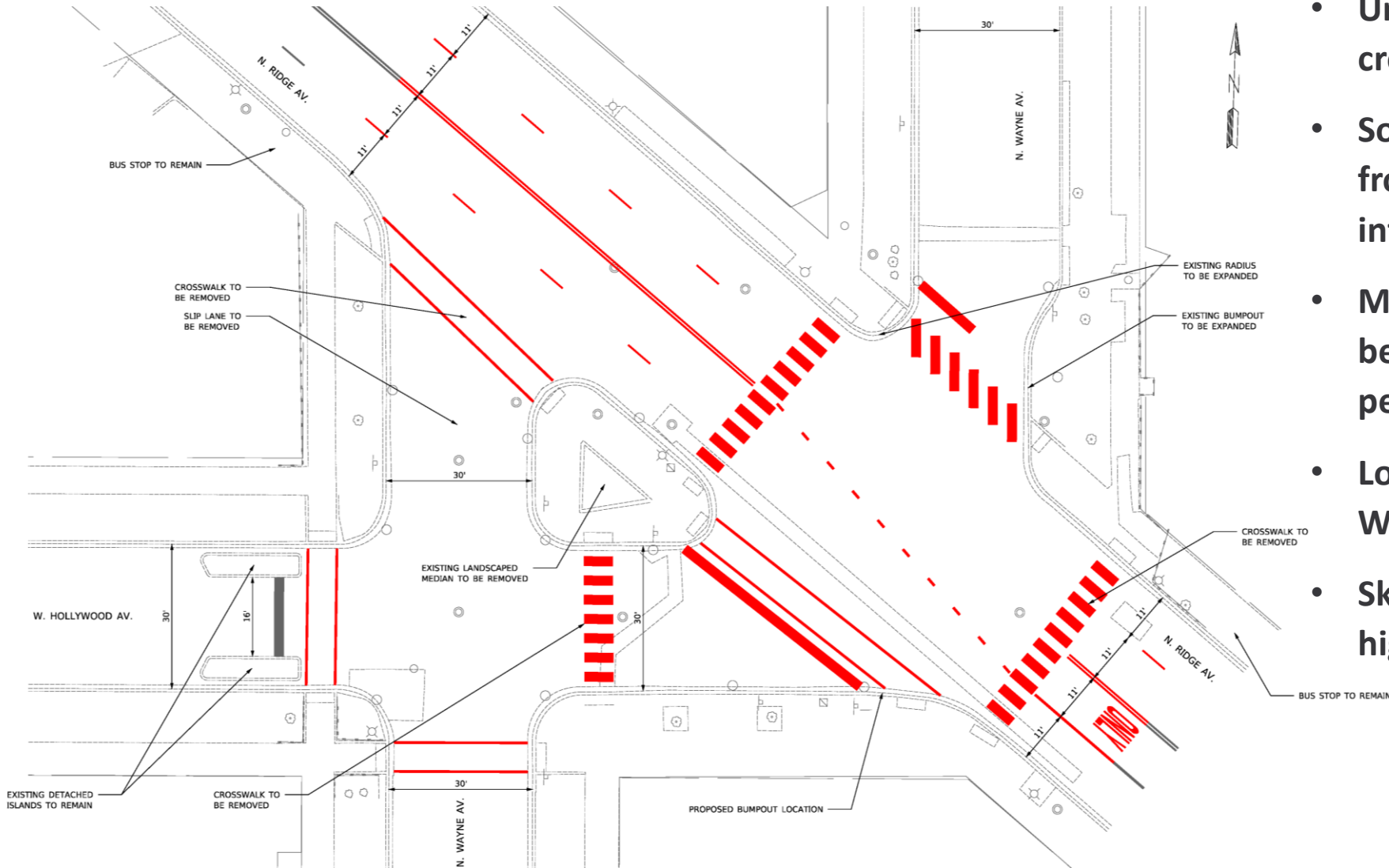


ISLAND GARDEN LOOKING SOUTHEAST

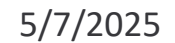


ISLAND GARDEN LOOKING NORTHWEST

EXISTING CONDITIONS



- Uncontrolled pedestrian crossings on busy Ridge Ave.
- South crosswalk less than 200' from Ridge-Hollywood intersection to the south
- Multiple points of conflict between drivers and pedestrians
- Long pedestrian crossings on Wayne and on Hollywood.
- Skewed intersections allows high-speed turns by drivers



PEDESTRIAN HYBRID BEACON OVERVIEW

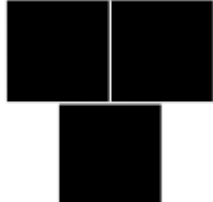
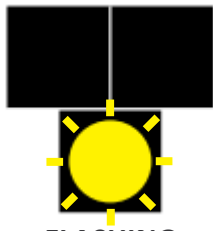
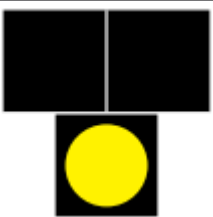
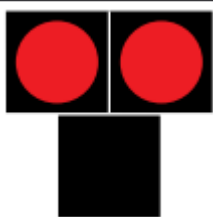
- Approved by FHWA in 2009
- FHWA Proven Safety Countermeasure for Pedestrians
- Intermediate Option between flashing beacon and traffic signal
- Designed to help pedestrians cross higher-speed roadways at midblock or unsignalized locations
- Installation includes vehicular signal heads, pedestrian signal heads, marked crosswalk and signage enhancements.
- Controlled via Accessible Pedestrian Signal push button
- Allows for safer pedestrian crossing, but also allows vehicle traffic to proceed once pedestrian has cleared their side of the travel lane to reduce vehicular delay

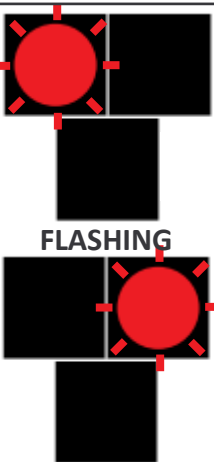
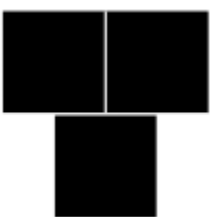
Safety Benefits

- 55% reduction in pedestrian crashes
- 29% reduction in total crashes
- 15% reduction in fatal and serious injury crashes

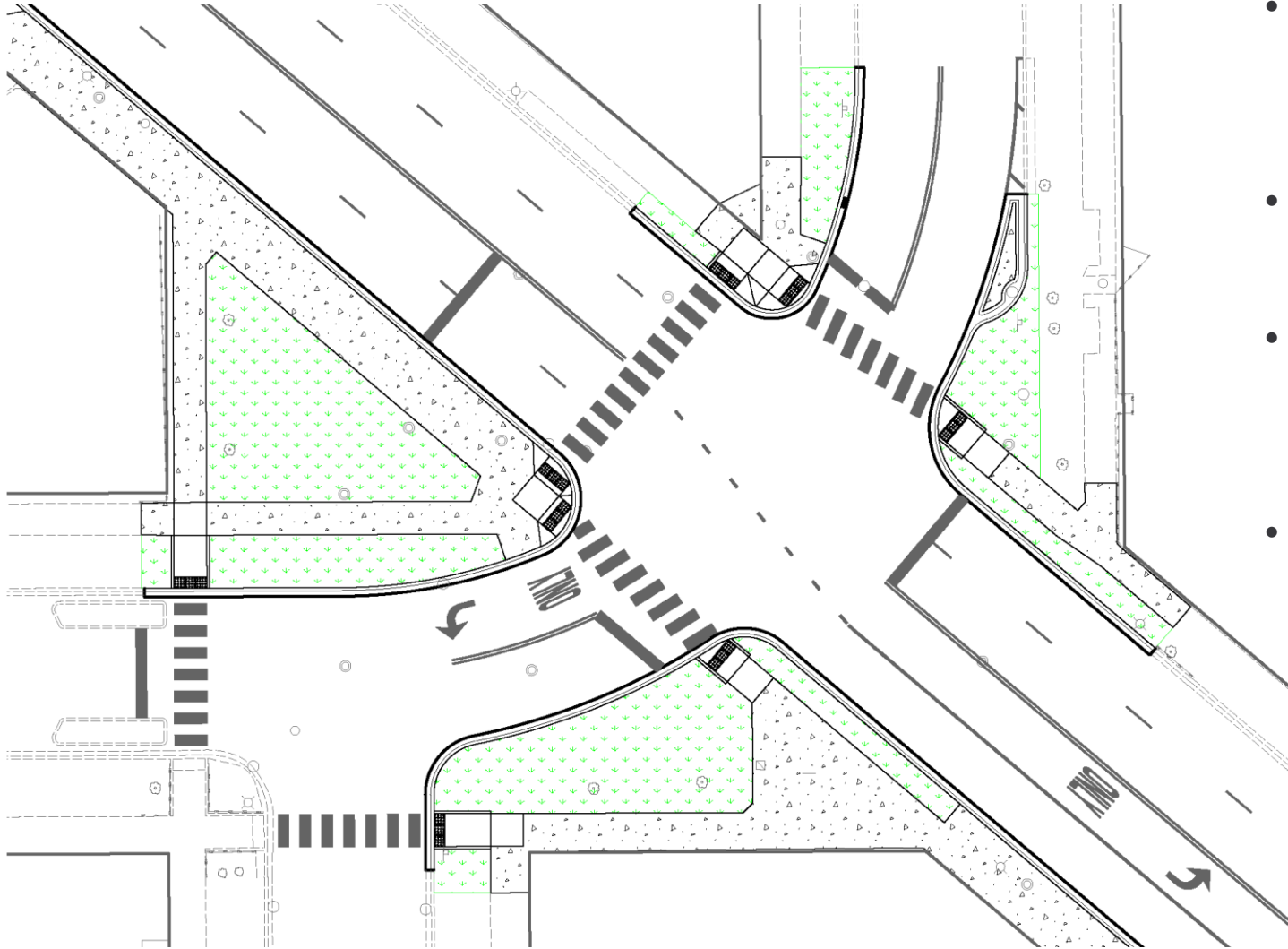


PEDESTRIAN HYBRID BEACON OPERATION

Phase	DRIVERS		PEDESTRIANS	
	Will see...	Will do...	Will see...	Will do...
1		Proceed with caution		Push the button to activate the system.
2	 FLASHING	Proceed with caution. Pedestrian has activated the system.		Wait.
3		Stop if safe to do so.		Continue to wait.
4		STOP. All signals are red to provide clearance time.		Continue to wait.

Phase	DRIVERS		PEDESTRIANS	
	Will see...	Will do...	Will see...	Will do...
5		STOP. A pedestrian is in the crosswalk		Start crossing when all vehicles are stopped.
6	 FLASHING	STOP. Proceed with caution if the crosswalk is clear.	 FLASHING COUNTDOWN	Continue crossing; the signal will count down.
7		Proceed if the crosswalk is clear.		Push the button to activate the system.

PROPOSED GREEN SPACE PLAN



- Opportunities for expanded green space – Additional Maintenance Requirements
- Expanded parkway area on NE corner of Wayne & Ridge
- New parkway areas on south side of Hollywood between Wayne & Ridge
- New parkway area and potential new community-maintained green space where Wayne Avenue is being removed.

NEXT STEPS

- **Finalize permit review with City and State**
- **Identify green space maintenance partners if desired**
- **Issue work order to construction contractor**
- **Construct and turn on beacon**
- **Continued outreach and education for new Pedestrian Hybrid Beacon**
- **Continued monitoring of traffic operations**