



Gammon Rd & Watts Rd Intersection Safety Improvements

WisDOT Design Project ID - 5992-07-18

WisDOT Construction Project ID - 5992-07-19

December 12, 2022

Introductions

- City of Madison – Mark Winter
- JT Engineering – Jim Pavelski

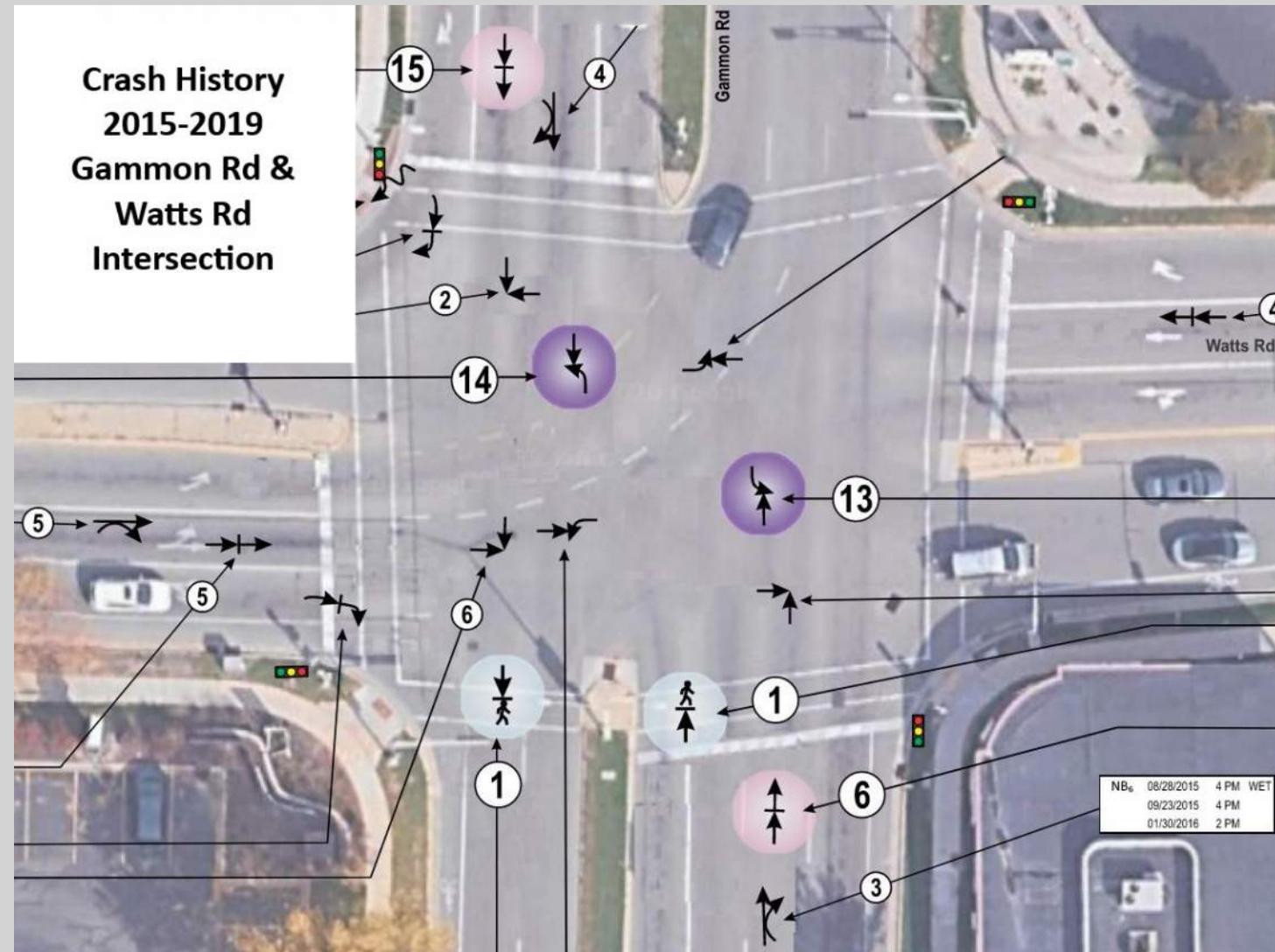
Existing Intersection

- Signalized Intersection
 - Turn lanes in all directions
 - Left turn phasing in all directions
 - Right turn phasing for eastbound and southbound traffic
- Gammon Rd
 - 4-6 lanes, divided
 - 31,000 – 39,000 vehicles per day
 - Pavement in good condition
- Watts Rd
 - 4 lanes, undivided
 - 8,000 – 19,000 vehicles per day
 - Pavement in good condition



Intersection Safety (Study of 2015-2019)

- 85 crashes in 5 years
 - 26 injury crashes (Including 2 severe crashes)
- 27 crashes involving NB/SB left turns
 - 12 injury crashes (Including 2 severe crashes)
- 32 rear end crashes
 - 10 injury
- 2 pedestrian crashes
 - Both injury



Purpose and Need

- Improve intersection safety
 - Reduce angle crashes
 - (Gammon Rd left turning vehicles)
 - Reduce rear end crashes
 - Improve pedestrian safety
- Minimize costs
 - Pavement is in good condition
 - Traffic signal operating efficiently



Highway Safety Improvement Program (HSIP)

- Federal program funding safety improvement projects
- Administered by Wisconsin Department of Transportation
- Benefit/cost analysis
- Approved project funding – 90% federal, 10% local match



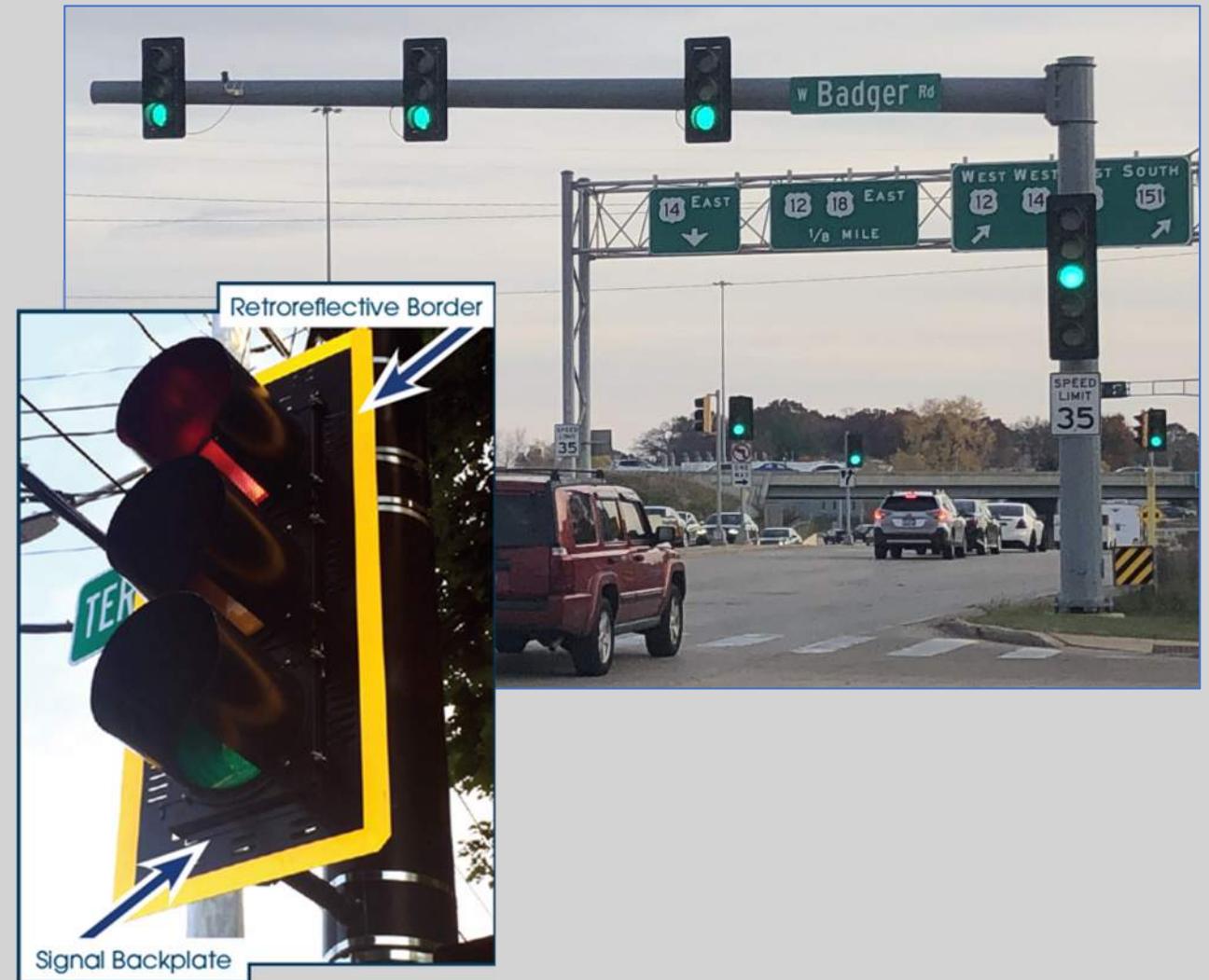
Proposed Improvements

- Left turn lane offsets
 - Studies show intersection crashes reduced by 1/3



Improved Visibility of Traffic Signal Heads

- Monotube-mounted traffic signals
- Reflective backplates
- Combination reduces angle and rear end crashes by 3% - 9%



Pedestrian Crossing Improvements

- All new curb ramps
- Pedestrian refuge islands
- Continental style crosswalk pavement marking



Real Estate Impacts

- Footprint will remain the same
- A temporary limited easement will be pursued in one quadrant for grading

Construction Staging

- Construction is planned for 2024
- Intersection will remain open
 - All vehicular movements will still be allowed
 - Driveways will not be impacted
 - Bicycle lane closures
- Lane closures will create delay
- Crosswalk closures will be staged to maintain pedestrian access



Project Costs

- Construction costs are estimated at less than \$600,000
- Design approximately \$75,000
- 90% federally funded – Highway Safety Improvement Program
- 10% City of Madison funded

Questions or Comments

- Questions and comments are also welcome outside of this meeting.
- Please provide comments by December 26.



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