

TOWN OF PALM BEACH

Information for Town Council Meeting on: November 12, 2024

To: Mayor and Town Council

Via: Kirk W. Blouin, Town Manager

From: H. Paul Brazil, P.E., Director of Public Works

Re: Bradley Place Corridor Capacity Improvements from Royal Poinciana Way to Sunrise Avenue

Date: October 30, 2024

STAFF RECOMMENDATION

Town staff is requesting direction from Town Council for the Bradley Place corridor improvements from Royal Poinciana Way to Sunrise Avenue.

GENERAL INFORMATION

The Town recently reviewed and approved Resolution 99-2024 for the design of the signalized intersection at Bradley Place and Sunset Avenue. Part of the design of this project is to review the options for the Bradley Place corridor capacity, specifically between Royal Poinciana Way and Sunrise Avenue.

The first option (Option 1) can be done immediately. This option consists of restriping between Royal Poinciana Way and Sunset Avenue to eliminate the dedicated northbound left turn onto Sunset Avenue heading west. The restriping would give southbound traffic on Bradley Place an extended southbound through lane. This option would increase capacity for southbound traffic by creating a southbound right turn and southbound through lane. The northbound through lane would become a shared left turn for Sunset Avenue heading west.

The next option (Option 2A) builds upon Option 1 and would be more impactful to the corridor. This option would utilize the entire Town right-of-way from Royal Poinciana Way to Sunrise Avenue by creating two (2) northbound through lanes on Bradley Place up to Sunrise Avenue. A dedicated northbound right turn lane would also be created at Sunset Avenue heading west. In order to create these additional lanes, on-street parking on the east side of Bradley Place would be eliminated along with utilizing a portion of the sidewalk on the east side between Sunset Avenue and Sunrise Avenue. A signal at Sunset Avenue and Bradley Place would be added with Sunset Avenue returning to two-way traffic. Staff's concern with this option is the dedicated northbound right turn proposed at Sunset Avenue as it puts pedestrians in potential danger to truck traffic making a sharp right turn onto Sunset Avenue heading east.

Option 2B maintains everything in Option 2A except it eliminates the proposed dedicated northbound right turn from Bradley Place onto Sunset Avenue that staff has concerns with and preserves the loading zone and some on-street parking on Bradley Place. In Option 2A, the outside northbound through lane would be considered a shared through/right turn lane. This would allow truck traffic a wider turn radius onto Sunset Avenue. In order to better accommodate trucks making this right turn onto Sunset Avenue from Bradley Place, expanding the southeast curbed corner at Sunset Avenue and Bradley Place.

Option 2C maintains everything in Option 2B but eliminates the dedicated northbound left turn lane at the Biltmore Condominiums to expand the southbound through traffic capacity. With Option 2C traffic would still be able to make the left turn into the Biltmore Condominiums via the northbound shared through/left turn lane.

Option 3 maintains everything in Option 2A but adds an additional southbound right turn lane on Bradley Place for Royal Poinciana Way. This option would require acquiring easements within Bradley Park, reconfiguring the corner along with reconfiguring the landscape, hardscape, and sidewalk on the east side of the park. The Town would also have to seek Florida Department of Transportation's (FDOT) approval and permits to construct. This option is not recommended by staff.

The O'Rourke Engineering and Planning Signal Warrant Analysis dated June 27, 2024, for the signalization of Bradley Place at Sunset Avenue supports the incorporation of this signal into the coordinated signal network to improve the operation of the signal at Royal Poinciana Way and Bradley Place. It states this signal would reduce the southbound queueing at the Bradley Place and Sunset Avenue intersection along with improving access from Sunset Avenue. The analysis also states that changing Sunset Avenue to two-way traffic would allow the intersections with North County Road and Bradley Place to operate at an adequate level of service.

FUNDING/FISCAL IMPACT

There is no funding/fiscal impact related to this item.

TOWN ATTORNEY REVIEW

This format has been utilized by the Town in previous recommendations and was approved by the Town Attorney.

Attachments

cc: Bob Miracle, Director of Finance
 Jason Debrincat, P.E., Assistant Director of Public Works
 Patricia Strayer, P.E., Town Engineer
 Nick Caristo, Chief of Police
 Dean Mealy, Procurement and Contracts Manager