

MIAMI BEACH

COMMITTEE MEMORANDUM

TO: Public Safety and Neighborhood Quality of Life Committee Members

FROM: Eric Carpenter, City Manager

DATE: April 9, 2025

TITLE: DISCUSS THE POTENTIAL IMPLEMENTATION OF A BICYCLE LANE ON THE WEST SIDE OF COLLINS AVENUE AS PART OF AN UPCOMING FLORIDA DEPARTMENT OF TRANSPORTATION ("FDOT") RESURFACING, RESTORATION, AND REHABILITATION ("RRR") PROJECT ON STATE ROAD ("SR") A1A/COLLINS AVENUE FROM SR 907/W 63 STREET TO 75 STREET.

RECOMMENDATION

The City Administration ("Administration") recommends continuing to collaborate with the Florida Department of Transportation ("FDOT") to further explore a potential alternative option (Option 2), consisting of the potential implementation of a 7-foot wide northbound buffered bicycle lane on Collins Avenue from 63 Street to 75 Street through a reduction of the existing sidewalks widths on the east and west sides of Collins Avenue, and minimizing the impacts to the existing on-street parking spaces on the west side of Collins Avenue.

The Administration does not recommend Option 1 which would require the elimination of 75 existing on-street parking spaces on the west side of Collins Avenue to accommodate a 7-foot wide northbound buffered bicycle lane on Collins Avenue as part of an upcoming FDOT Resurfacing, Restoration, and Rehabilitation project on State Road ("SR") A1A/Collins Avenue from SR 907/63 Street to 75 Street.

The Administration recommends that the Public Safety and Neighborhood Quality of Life Committee ("PSNQLC" or "Committee") endorse the Administration's recommendation.

BACKGROUND/HISTORY

In accordance with the City of Miami Beach ("City") adopted 2016 Bicycle-Pedestrian Master Plan ("BPMP") and Transportation Master Plan ("TMP"), the City is working to expand its bicycle network through the planning and implementation of safe and connected bicycle lanes and facilities throughout the City.

The TMP recommends a protected bicycle lane and a dedicated transit lane on Collins Avenue between 63 Street and 75 Street in order to create a safe, connected, and efficient bicycle and transit network in North Beach. While the implementation of dedicated transit lanes on State roads requires a lengthy process consisting of comprehensive traffic studies and an analysis of current and future transit service, the implementation of protected bicycle lanes can be accomplished efficiently through roadway resurfacing and restriping projects.

FDOT is currently designing a roadway improvement project on Collins Avenue from 63 Street to 75 Street ("Project") as part of its Five-Year Work Program. As proposed by FDOT, the Project will include milling and resurfacing of the existing roadway pavement; reconstruction of damaged sidewalk; reconstruction of damaged curb and gutter and Americans with Disabilities Act ("ADA") curb ramps; upgrading crosswalks; upgrading pavement markings and signage; and installing additional streetlight poles along the corridor. Attachment A includes the FDOT Draft Scoping

Report for the Project. At this time, FDOT anticipates completing 60% design plans by April 2025 and commencing construction in 2027.

FDOT recently reached out to City staff to ascertain the City's position regarding the potential of incorporating a northbound bicycle lane on Collins Avenue as part of the Project. In addition, FDOT has requested that the City provide direction to FDOT by way of a City Commission resolution either supporting or not supporting the implementation of a bicycle lane as part of the Project.

At the September 13, 2023 City Commission meeting, the Administration referred agenda item C4 H (attached) to the PSNQLC for discussion and a recommendation.

ANALYSIS

The Project presents an opportunity to introduce an essential bicycle facility along the Collins Avenue corridor in North Beach as recommended in the TMP. However, given the limited scope and scale of the Project, a bicycle lane, if implemented, would not connect to any other bicycle facility in the area for some time. Although the lack of bicycle lane connectivity along Collins Avenue would not be a desired condition, note that most bicycle facilities along FDOT roadways are constructed in segments as part of separate roadway projects, rather than as one contiguous project, due to various reasons, including cost, feasibility, and other engineering factors. To this end, FDOT is planning a future/long-term reconstruction of the Collins Avenue corridor from 41 Street to 63 Street ("Collins Avenue Multimodal Corridor project") which proposes to include a protected two-way bicycle path on the west side of Collins Avenue (adjacent to the Indian Creek waterway). The proposed bi-directional bicycle facility would ultimately connect at 63 Street to the potential northbound bicycle lane on Collins Avenue, if implemented as part of the Project. However, the construction of the future Collins Avenue Multimodal Corridor project is currently not funded in the FDOT Five-Year Work Program.

FDOT has preliminarily analyzed the potential impacts of adding a bicycle lane on Collins Avenue between 63 Street and 75 Street and determined that the implementation of a bicycle lane would require either the elimination of one (1) of the three (3) existing northbound travel lanes or the elimination of the existing on-street parking lane on the west side of Collins Avenue, resulting in the elimination of approximately 75 existing on-street parking spaces, including Freight Loading Zones, and the potential elimination of the existing concrete curb extensions (some landscaped) within the Project limits ("Option 1").

To help mitigate the loss of on-street parking as a result of the inclusion of a bicycle lane in the Project (Option 1), the Administration would identify opportunities to accommodate additional on-street parking spaces along the side streets, if feasible, through street reconfigurations. In addition, the Administration could explore the potential for joint use of privately-owned parking facilities during daytime and/or after-hours.

While the Administration has concerns with the potential loss of on-street parking spaces in an area of North Beach where a high demand for parking currently exists, it is important to note that a bicycle lane on Collins Avenue would improve safety and mobility for numerous residents and workforce employees who commute by bicycle and/or use their bicycles on a regular basis for trips within the City, thereby contributing to reducing traffic congestion and helping Miami Beach achieve its strategic goal to become a less car-centric city. Additionally, a bicycle lane on Collins Avenue would 1) help relieve some pressure off the Beachwalk as some bicycle trips would shift to Collins Avenue, thus benefiting pedestrian safety on the Beachwalk; and 2) ultimately connect to future bicycle lanes on Collins Avenue both to the north and south of the Project, thus creating a safe and continuous bicycle facility along Collins Avenue in Mid and North Beach.

February 14, 2024 PSNQLC Meeting

At the February 14, 2024 PSNQLC meeting, the Committee discussed the item and recommended that the Administration reach out to the community to obtain feedback on Option 1 and return to the Committee with an update at a future date.

Pursuant to the Committee's recommendation, on May 13, 2024, the City conducted a virtual public meeting, in collaboration with FDOT, to obtain community input on the potential bicycle lane option (Option 1) with the purpose of providing direction to FDOT on the upcoming Project. Attachment B includes the public meeting presentation. Approximately 25 members of the public attended the virtual public meeting. During the public meeting, two (2) participants expressed a need for bicycle safety and bicycle network connectivity in North Beach, and one (1) participant acknowledged a need for bicycle safety but expressed concerns with the potential loss of on-street parking. In addition, during the public meeting, Commissioner Alex Fernandez spoke and requested that the Administration obtain data with respect to 1) current parking demand and potential on-street parking impacts along alternative north-south corridors in comparison to Collins Avenue, including Harding Avenue/Abbott Avenue and Indian Creek Drive; 2) bicycle crash/safety statistics along Collins Avenue and other north-south avenues in proximity; and 3) identify east west corridors to ensure bicycle network connectivity in North Beach.

1. Comparison of Parking Impacts of a Potential Bicycle Lane on Alternate Parallel Corridors
The demand for on-street parking is high along Collins Avenue from 67 Street to 75 Street, while the demand for on-street parking is moderate along Collins Avenue from 63 Street to 67 Street. Transportation and Mobility Department staff conducted a high-level assessment of the potential loss of on-street parking along Abbott Avenue and Harding Avenue within the same limits of 63 Street to 75 Street if a continuous bicycle lane would be implemented along those avenues in lieu of Collins Avenue. Based on staff's analysis, given Collins Avenue has on-street parking on the west side of the street only, a bicycle lane on Collins Avenue would result in the lowest on-street parking loss as compared to Abbott Avenue and Harding Avenue. As previously mentioned, the loss of on-street parking on Collins Avenue would be approximately 75 spaces, whereas the loss of on-street parking on Abbott Avenue would be approximately 112 spaces, and the loss of on-street parking on Harding Avenue would be approximately 109 spaces.
2. Bicycle Crashes
From January 1, 2021 to November 30, 2024, there were a total of 25 crashes involving bicyclists on Collins Avenue between 63 Street and 75 Street, including along Abbott Avenue, Indian Creek Drive, and Harding Avenue, within the same limits.
3. East-West Connectivity
72 Street between Collins Avenue and Dickens Avenue has existing bicycle lanes which provide east-west connectivity. The Transportation and Mobility Department has completed the design of green bicycle lanes on 73 Street between Dickens Avenue and Ocean Terrace as proposed in the TMP; however, the project may not move forward to construction in order to have the ability to reconfigure the existing on-street parking from parallel to angle parking and increase the number of on-street parking spaces along 73 Street (serving as potential mitigation for some of the parking loss along the west side of Collins Avenue as a result of the potential inclusion of a bicycle lane). In addition, the TMP proposes protected bicycle lanes on 69 Street between Indian Creek Drive and Collins Avenue; however, the project is currently unfunded.

May 22, 2024 PSNQLC Meeting

At the May 22, 2024 PSNQLC meeting, the Committee recommended that the Administration approach FDOT to discuss a potential redesign of the Project, including the potential elimination of a travel lane to accommodate the bicycle lane (with no loss of on-street parking) and return to the Committee with an update at a future date.

Pursuant to the Committee's recommendation, on June 3, 2024, the City staff met with FDOT representatives to discuss the potential redesign of the Project. During the meeting, FDOT

advised that the existing right-of-way constraints due to the abutting land uses along the Project limits preclude the widening of Collins Avenue to accommodate a dedicated northbound bicycle lane. In addition, the existing travel lanes are approximately 11 feet wide and cannot be narrowed further. Furthermore, FDOT advised that in January 2022, a comprehensive assessment of the entire State roadway network in Miami-Dade County ("County") was conducted to identify roadways or roadway segments that could be considered potential candidates for lane elimination/repurposing consistent with the FDOT Lane Repurposing Guidebook (dated August 2020). The assessment was divided in two (2) phases. Phase 1 consisted of a high-level evaluation of all State roads in the County. Phase 2 consisted of a more detailed, corridor-specific traffic study for the roadways that met the Phase 1 criteria. The study methodology for Phase 1 involved a two-tiered process that consisted of first identifying roadways potentially suitable for lane repurposing based on the number of travel lanes and other roadway criteria ("Tier 1"), followed by an analysis of the roadway level of service ("LOS") to determine if repurposing one (1) travel lane in each direction would be feasible from a traffic operational perspective ("Tier 2"). Although Collins Avenue within the Project limits met the Phase 1/Tier 1 criteria, as it consists of three (3) travel lanes plus dedicated turn lanes, the corridor did not meet the Phase 1/Tier 2 evaluation criteria as the resulting LOS (if a lane would be removed) did not meet the FDOT Target LOS D. Therefore, based on the Phase 1 analysis, FDOT does not support a travel lane elimination/repurposing along Collins Avenue within the Project limits. As such, in order to include a bicycle lane as part of the Project, without impacting the existing travel lanes and sidewalks, approximately 75 on-street parking spaces on the west side of Collins Avenue would need to be eliminated.

September 18, 2024 PSNQLC Meeting

At the September 18, 2024 PSNQLC meeting, the Committee recommended that the Administration reach out to the businesses within the Project limits that would be affected by the loss of approximately 75 on-street parking spaces on the west side of Collins Avenue and return to the Committee with an update at a future date.

Pursuant to the Committee's recommendation, the Administration reached out to 277 businesses (via an online survey) with an active Business Tax Receipt ("BTR") to obtain their feedback on the potential elimination of approximately 75 on-street parking spaces on the west side of Collins Avenue for the implementation of a bicycle lane (Option 1). A total of 12 responses were received. Below is a table summarizing the survey results. Attachment C includes the results of this (first) survey.

Question	Answer	Respondents	Percentage
Do you support the addition of a bicycle lane on Collins Ave between 63 - 75 streets, replacing the existing parking lane?	Yes	3	25%
	No	9	75%

Based on the feedback received, 25% of respondents expressed support for the removal of on-street parking spaces for the implementation of a northbound bicycle lane, whereas 75% of respondents did not support the removal of on-street parking spaces for the implementation of a bicycle lane.

Since the number of responses to the online survey was extremely low, the Administration resent the survey in January 2025 and subsequently went door-to-door to the businesses to obtain their feedback on the potential elimination of approximately 75 on-street parking spaces on the west side of Collins Avenue for the implementation of a northbound bicycle lane (Option 1). A total of 27 responses were received during the second survey. Below is a table summarizing the survey results. Attachment D includes the results of the second survey.

Question	Answer	Respondents	Percentage
Do you support the addition of a bicycle lane on Collins Ave between 63 - 75 streets, replacing the existing parking lane?	Yes	7	26%
	No	20	74%

Based on the feedback received from the second survey, 26% of respondents expressed support for the removal of on-street parking spaces for the implementation of a bicycle lane, whereas 74% of respondents did not support the removal of on-street parking spaces for the implementation of a bicycle lane.

As an alternative option to eliminating on-street parking to introduce a northbound bicycle lane on Collins Avenue within the Project limits, the Administration discussed with the FDOT the possibility of narrowing the existing sidewalks on the east and/or west sides of Collins Avenue (currently ranging from 12 feet to 17 feet wide) in order to gain the width necessary to accommodate a northbound bicycle lane (ranging in width between 4 feet wide (if unprotected) and 7 feet wide (if protected)) within the existing right-of-way ("Option 2"). However, it is important to note, that any narrowing of the sidewalks will require curb/gutter and drainage modifications which would necessitate a major reconstruction project along Collins Avenue rather than the currently proposed milling and resurfacing project. While Option 2 would cost significantly more than Option 1 and delay the design and construction timeline, it would result in the most balanced option to improve bicycle safety and mobility, while avoiding impacts to the existing on-street parking on the west side of Collins Avenue from 63 Street to 75 Street.

January 29, 2025 PSNQLC Meeting

The discussion item (OB 20) was not reached during the January 29, 2025 PSNQLC meeting.

February 12, 2025 PSNQLC Meeting

At the February 12, 2025 PSNQLC meeting, the Committee recommended that the Administration, in collaboration with FDOT, host a community meeting and present the potential alternative option (Option 2) consisting of narrowing the existing sidewalk width on the east and west sides of Collins Avenue to gain the necessary width (7 feet) to accommodate a northbound buffered bicycle lane within the existing FDOT right-of-way, while maintaining the existing on-street parking spaces on the west side of Collins Avenue from 63 Street to 75 Street, and to return to the April 9, 2025 PSNQLC meeting with an update.

Update Since the February 12, 2025 PSNQLC Meeting

Pursuant to the Committee's recommendation, on March 11, 2025, the Transportation and Mobility Department met with FDOT to discuss Option 2. During the meeting, FDOT presented a conceptual plan consisting of narrowing the sidewalks in order to accommodate a 7-foot wide buffered bicycle lane while maintaining the existing on-street parking spaces on the west side of Collins Avenue. The narrowing of the existing sidewalks would necessitate the relocation of trees, sidewalk reconstruction, curb and gutter reconstruction, street lighting improvements, traffic signal mast arm relocations/upgrades, and drainage improvements. It is worth noting that based on the conceptual plan developed by FDOT for Option 2, with the narrowing of the sidewalks on the east and west sides of Collins Avenue, the resulting minimum width of the sidewalks at any given location between 63 Street and 75 Street would not be less than 6 feet wide from the FDOT right-of-way line.

An in-person community meeting to be hosted by the City and FDOT is being scheduled to present and obtain community feedback on the potential alternative option (Option 2), consisting of narrowing the existing sidewalk widths on the east and west sides of Collins Avenue to accommodate a 7-foot wide northbound buffered bicycle lane without impacting any existing on-street parking on the west side of Collins Avenue from 63 Street to 75 Street.

Tangentially, City staff believes that it is crucial that FDOT explore opportunities to add safe pedestrian crosswalks as part of the Project and is working with FDOT in this regard.

FISCAL IMPACT STATEMENT

Based on preliminary information provided by FDOT, the estimated cost for the implementation of a northbound buffered bicycle lane as part of the Project (Option 1) is approximately \$2,500,000. Should the City Commission select to move forward with implementation of a

northbound buffered bicycle lane as part of the Project, per FDOT, the City would be responsible for funding the portion of the construction cost associated with the bicycle lane improvements (\$2,500,000). Furthermore, there would be an annual loss of parking revenue attributed to the elimination of the existing 75 on-street parking spaces. Based on current parking rates, approximately \$55,000 in Parking Department revenue would no longer be generated on an annual basis. There may also be potential impacts to businesses and residents that rely on these on-street parking spaces, unless the parking loss is mitigated.

Alternatively, the estimated cost to reconstruct Collins Avenue from 63 Street to 75 Street due to the narrowing of the existing sidewalks on the east and west sides to accommodate a 7-foot wide buffered bicycle lane without impacting the existing on-street parking on the west side of Collins Avenue (Option 2) is approximately \$9,025,000. Should the City Commission select to move forward with this option, per FDOT, the City would be responsible for funding the entire cost of the future reconstruction project (\$9,025,000).

Does this Ordinance require a Business Impact Estimate?
(FOR ORDINANCES ONLY)

The Business Impact Estimate (BIE) was published on .

See BIE at: <https://www.miamibeachfl.gov/city-hall/city-clerk/meeting-notice/>

FINANCIAL INFORMATION

N/A

CONCLUSION

There is an opportunity to implement a new northbound bicycle lane on Collins Avenue from 63 Street to 75 Street as part of an upcoming FDOT Project, currently in the design phase, consisting of milling and resurfacing the roadway. A bicycle lane on Collins Avenue would improve safety and mobility for numerous residents and workforce employees who commute by bicycle and/or use their bicycles on a regular basis for trips within the City, thereby contributing to reducing traffic congestion and helping Miami Beach achieve its strategic goal to become a less car-centric city.

Given the existing configuration along this segment of Collins Avenue and the constrained scope of the FDOT Project, the addition of a bicycle lane would require either elimination of one (1) travel lane or elimination of approximately 75 on-street parking spaces, including Freight Loading Zones, on the west side of Collins Avenue within the Project limits (Option 1). However, based on a traffic analysis conducted by FDOT, the elimination of a vehicular travel lane on Collins Avenue to accommodate a bicycle lane along the Project limits is not supported by FDOT.

Given the Administration's concerns with Option 1 requiring the loss of 75 on-street parking spaces in an area of North Beach where a high demand for parking exists, as an alternative option, City staff will continue to work with FDOT to explore a potential alternative option (Option 2) consisting of narrowing the existing sidewalks on the east and west sides of Collins Avenue (currently ranging from 12 feet to 17 feet wide) within the Project limits in order to gain the width necessary to accommodate a 7-foot wide northbound buffered bicycle lane within the existing FDOT right-of-way. If Option 2 is determined to be viable, the improvements would necessitate a major reconstruction project along Collins Avenue, increasing the cost and delaying the design and construction timeline. However, Option 2 could result in the most balanced option to improve bicycle safety and mobility while minimizing the impacts to the on-street parking spaces along the west side of Collins Avenue from 63 Street to 75 Street which are critical to the businesses in the area.

Should the PSNQLC support or not support the Administration's recommendation to continue to work with FDOT to further explore Option 2 in lieu of Option 1, the Administration will bring the PSNQLC's recommendation to the next City Commission meeting for acceptance via a City Commission Resolution and transmit the Resolution to FDOT.

Applicable Area

North Beach

Is this a "Residents Right to Know" item, pursuant to City Code Section 2-17?

Yes

Is this item related to a G.O. Bond Project?

No

Was this Agenda Item initially requested by a lobbyist which, as defined in Code Sec. 2-481, includes a principal engaged in lobbying? No

If so, specify the name of lobbyist(s) and principal(s): N/A

Department

Transportation and Mobility

Sponsor(s)

Commissioner Alex Fernandez

Co-sponsor(s)

Condensed Title

Discuss Bicycle Lane on West side of Collins Part of Upcoming FDOT Project.