McNab Road Complete Streets Roadway Improvement Project

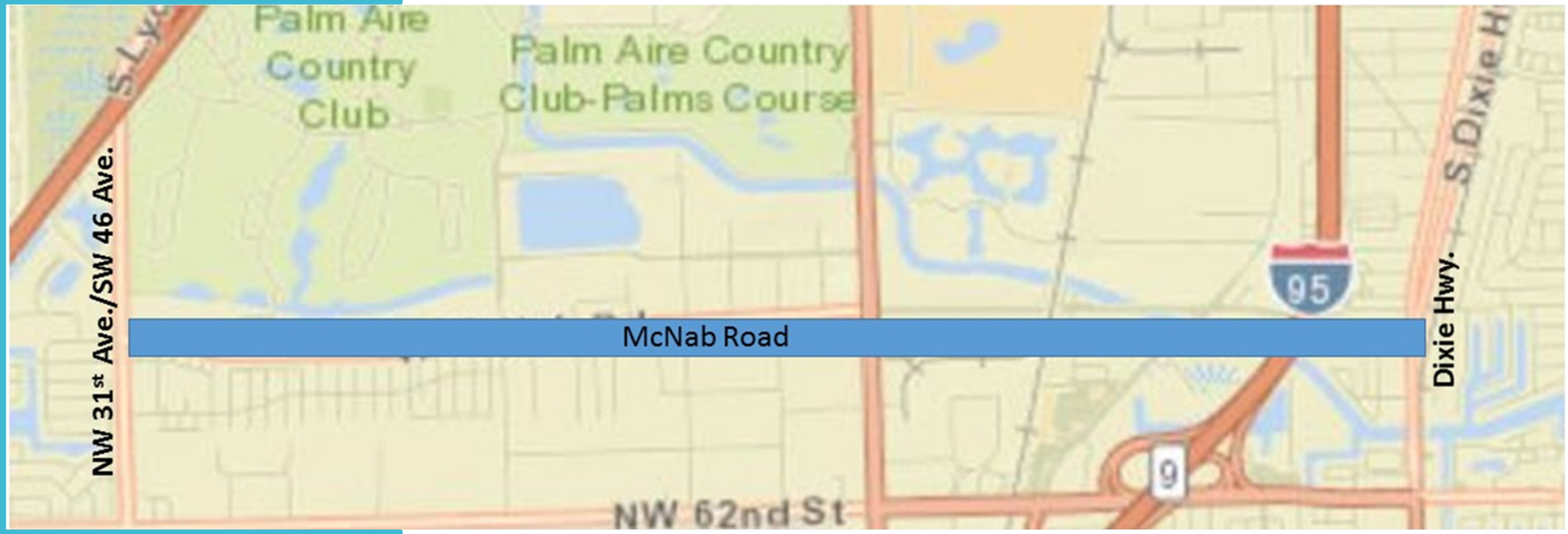
Public Outreach Meeting
December 9, 2020

Broward MPO
Metropolitan Planning Organization

CITY OF FORT LAUDERDALE

pompano beach
Florida's Warmest Welcome

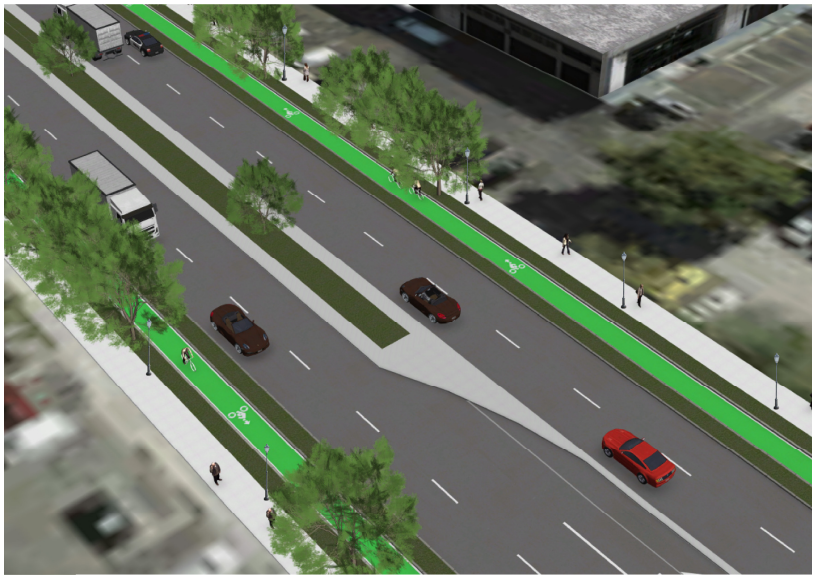
Project Limits



Scope of Improvements

- Project Limits: McNab Road from NW 31st Avenue/SW 46th Avenue to Dixie Hwy.
- Separated Bicycle Lanes
- Continuous Pedestrian Zones (Sidewalk Gaps) & Pedestrian Crossings
- Lane Elimination for a portion of roadway segment - Convert McNab Road. from Powerline Road to Dixie Highway to a continuous four lane corridor
- Pedestrian Lighting
- Widen medians in lane elimination section from Powerline Road to Dixie Highway
- Landscaping opportunity areas, irrigation sleeves
- Transit Amenities, Bus Shelters

Renderings of Proposed Cross Sections



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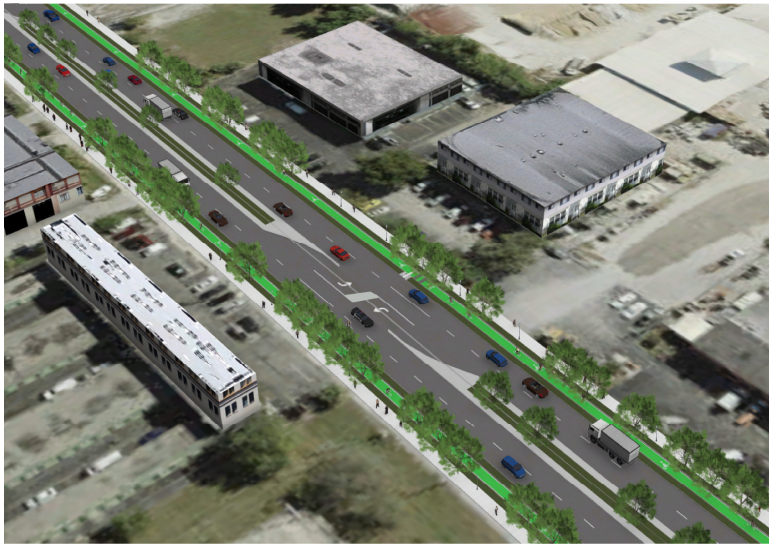
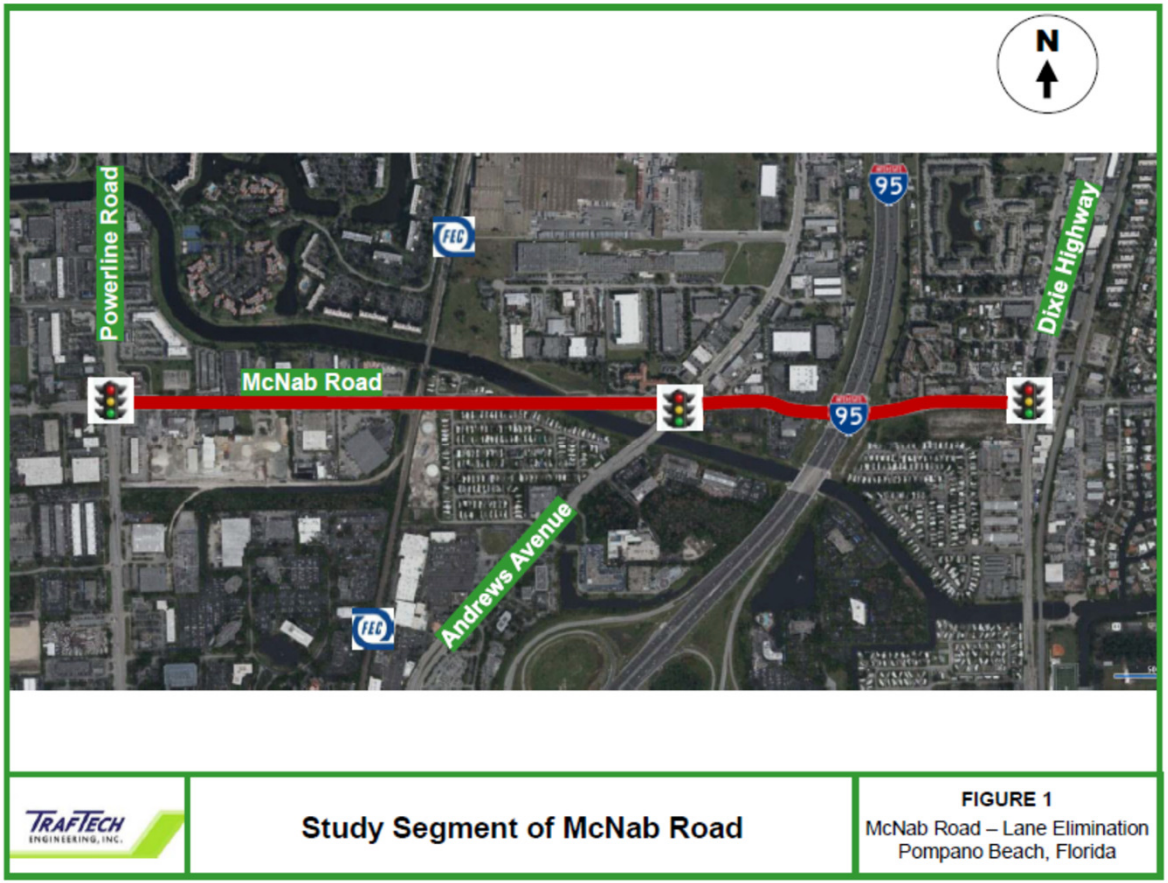


Traffic Analysis Study by TrafTech Engineering, Inc.

- Study divided into four (4) sections:
- 1. Existing Conditions
- 2. Future Traffic Volumes
- 3. Lane Reduction Evaluation
- 4. Conclusions and Recommendations

Study Area Boundaries



Historical Counts and Existing Traffic Conditions

TABLE 1
Historical Traffic Counts for McNab Road
Powerline Road to Dixie Highway

Year	Traffic Count Station	
	West of Andrews Ave	West of Dixie Highway
2005	18,300	12,300
2006	21,000	11,900
2007	18,300	10,800
2008	15,800	10,500
2009	15,600	9,900
2010	15,600	9,900
2011	15,600	9,900
2012	15,500	9,900
2013	15,500	9,900
2014	15,500	10,000
2015	16,900	11,400
2016	17,100	11,600
2017	17,100	11,600
2018	17,100	11,600
2019	17,100	11,600

SOURCE: Florida Department of Transportation

TABLE 2 – Daily Analysis
Existing Traffic Conditions for McNab Road (As a 6-Lane Roadway)
Powerline Road to Dixie Highway

Roadway Segment	Year 2019			
	Daily Volume	Daily Capacity	V/C Ratio	LOS
Powerline to Andrews	17,100	56,905	0.30	C
Andrews to Dixie	11,600	56,905	0.20	C

Broward County and FDOT

TABLE 3 – Peak Hour Analysis
Existing Traffic Conditions for McNab Road (As a 6-Lane Roadway)
Powerline Road to Dixie Highway

Roadway Segment	Year 2019			
	Peak Hour Volume	Peak Hour Capacity	V/C Ratio	LOS
Powerline to Andrews	1,625	5,121	0.32	C
Andrews to Dixie	1,102	5,121	0.22	C

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Projected Future Traffic Conditions as a 6-Lane Roadway

TABLE 4 – Daily Analysis
Future Traffic Conditions for McNab Road (As a 6-Lane Roadway)
Powerline Road to Dixie Highway

Roadway Segment	Year 2040			
	Daily Volume	Daily Capacity	V/C Ratio	LOS
Powerline to Andrews	22,100	56,905	0.39	C
Andrews to Dixie	20,137	56,905	0.35	C

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TABLE 5 – Peak Hour Analysis
Future Traffic Conditions for McNab Road (As a 6-Lane Roadway)
Powerline Road to Dixie Highway

Roadway Segment	Year 2040			
	Peak Hour Volume	Peak Hour Capacity	V/C Ratio	LOS
Powerline to Andrews	2,100	5,121	0.41	C
Andrews to Dixie	1,913	5,121	0.37	C

Broward County and FDOT

Projected Future Traffic Conditions as a 4-Lane Roadway

Study Conclusions and Recommendations

TABLE 6 – Daily Analysis
Future Traffic Conditions for McNab Road (As a 4-Lane Roadway)
Powerline Road to Dixie Highway

Roadway Segment	Year 2040			
	Daily Volume	Daily Capacity	V/C Ratio	LOS
Powerline to Andrews	22,100	37,810	0.58	C
Andrews to Dixie	20,137	37,810	0.53	C

Broward County/ FDOT (Refer to Appendix D for Daily and Peak Hour Capacities)

TABLE 7 – Peak Hour Analysis
Future Traffic Conditions for McNab Road (As a 4-Lane Roadway)
Powerline Road to Dixie Highway

Roadway Segment	Year 2035			
	Peak Hour Volume	Peak Hour Capacity	V/C Ratio	LOS
Powerline to Andrews	2,100	3,401	0.62	C
Andrews to Dixie	1,913	3,401	0.56	C

Broward County/ FDOT (Refer to Appendix D for Daily and Peak Hour Capacities)

CONCLUSIONS AND RECOMMENDATIONS

The City of Pompano Beach is seeking to reduce the number of through lanes on McNab Road, between Powerline Road on the west to Dixie Highway on the east from six (6) lanes to four (4) lanes.

Based on the lane-reduction evaluation presented herein, the number of through lanes on McNab Road can be reduced from six (6) to four (4) without degrading safety or level of service.

Contact Information

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Questions?

Thank you for joining us!