

1. FM 431770-3: Hollywood Package 1

1.1. 14-A: Bike Lanes on 72nd Avenue from Pembroke Road to Johnson Street (Pembroke Pines)

Project Description

The project improvements consist of widening the existing pavement to accommodate bike lanes on both sides of 72nd Avenue, a total length of 1.60 miles. Pavement markings and signs should be upgraded as necessary to meet standards while the existing concrete sidewalks are to remain. Milling and resurfacing will be done as necessary. This project begins in the City of Pembroke Pines and extends northward into Hollywood.

Project Location

The project is located in Section No. 86000227 on 72nd Avenue from MP 0.011 to MP 1.513. Figure 3.22 below shows the project location.

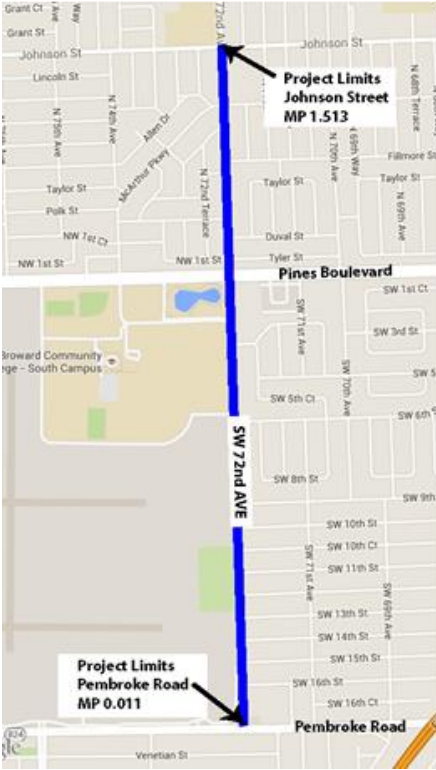
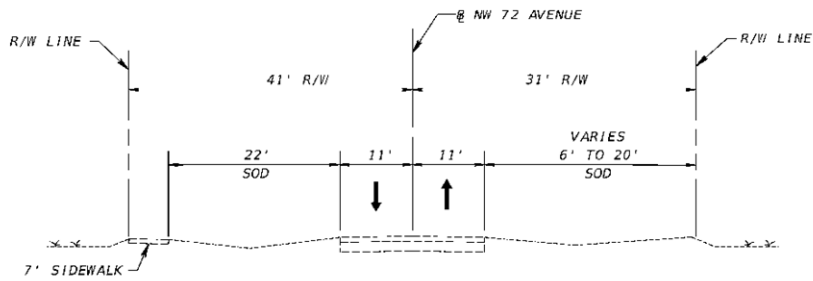
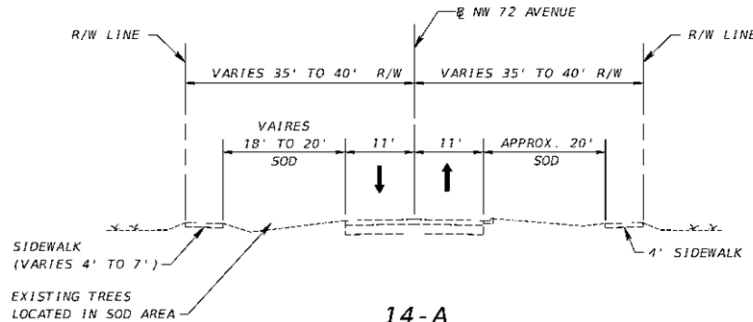


FIGURE: 3.22 LOCATION MAP

Existing Typical Sections



14-A
CITY OF PEMBROKE PINES
EXISTING TYPICAL SECTION
NW 72 AVENUE
FROM PEMBROKE ROAD TO SW 9 STREET
MP 0.011 TO 0.503
 FUNCTIONAL CLASSIFICATION: RURAL LOCAL
 AADT: 9,100
 POSTED SPEED: 30 MPH



14-A
CITY OF HOLLYWOOD
EXISTING TYPICAL SECTION
NW 72 AVENUE
FROM HOLLYWOOD BOULEVARD TO JOHNSON STREET
MP 1.012 TO 1.513
 FUNCTIONAL CLASSIFICATION: RURAL LOCAL
 AADT: 9,000
 POSTED SPEED: 30 MPH

Analysis of Existing Conditions

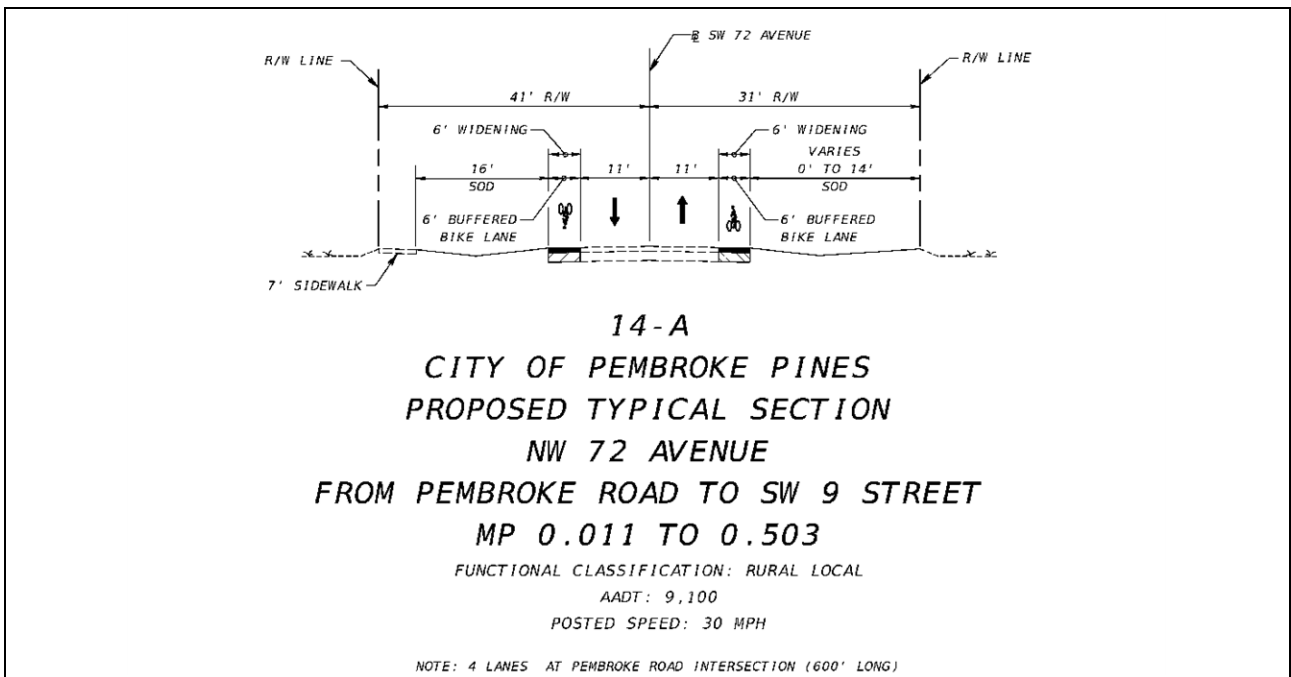
72nd Avenue is a two-lane undivided roadway with adjacent grass areas and sidewalks. The total length of the project is 1.6 miles. There are numerous trees and signs that would be impacted by widening and would need to be relocated. Existing grass areas/swales would have to be reshaped to accommodate the stormwater runoff and avoid ponding within the bike lanes. Existing curb and gutter and inlets at Pembroke Road and SR 820 intersection would be impacted by widening. With an increase in impervious areas, drainage would need to be incorporated into the project. 600-ft. north of Pembroke Road requires the 20-ft. right-of-way on the eastern side to be reconstructed so as to accommodate two 6-ft. buffered bike lanes (4'+2').

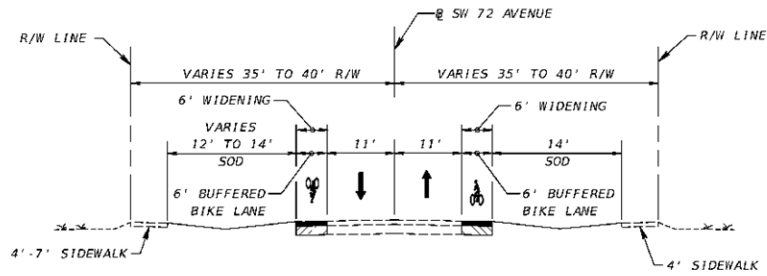


Recommendations

- a) City of Pembroke Pines: South of Pines Boulevard / SR 820, widen 6-ft. to provide a 4'+2' buffered bike lane in both directions. The roadway section 600-ft. north of Pembroke Road on the eastern side needs to be reconstructed to accommodate a 4'+2' buffered bike lane. A 6-ft. sidewalk will be added in this 600-ft. section on the east side.
- b) City of Hollywood: North of Hollywood Boulevard / SR 820, widen 5-ft. to provide a 4'+1' buffered bike lane in both directions.
- c) Provide French Drainage to address permitting requirements such as water quality and flooding.
- d) Pavement markings and signs should be upgraded to the latest MUTCD and FDOT standards.
- e) Existing sidewalk to remain.

Recommended Typical Sections

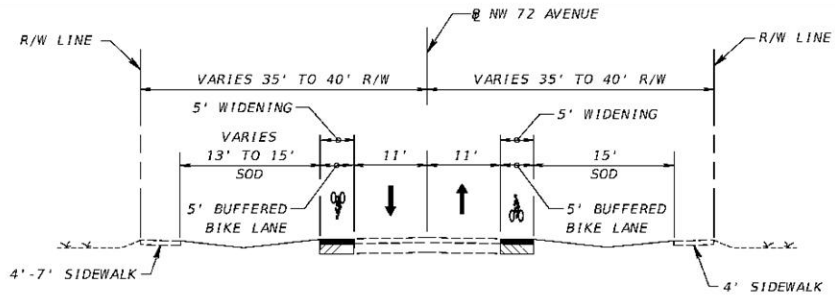




14-A
CITY OF PEMBROKE PINES
PROPOSED TYPICAL SECTION
NW 72 AVENUE
FROM SW 9 STREET TO PINES BOULEVARD
MP 0.503 TO 1.012

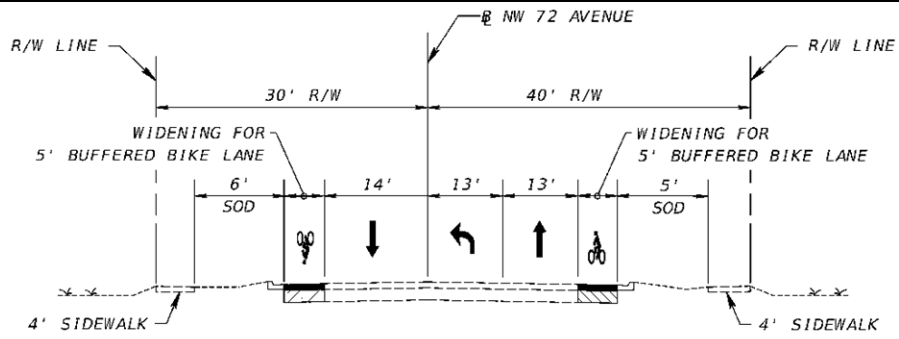
FUNCTIONAL CLASSIFICATION: RURAL LOCAL
 SW 9 STREET TO SW 6 STREET AADT: 9,100
 SW 6 STREET TO PINES BOULEVARD AADT: 13,000
 POSTED SPEED: 30 MPH

NOTE: 4 LANES AT PEMBROKE ROAD INTERSECTION (600' LONG).



14-A
CITY OF HOLLYWOOD
PROPOSED TYPICAL SECTION
NW 72 AVENUE
FROM HOLLYWOOD BOULEVARD TO JOHNSON STREET
MP 1.012 TO 1.513

FUNCTIONAL CLASSIFICATION: RURAL LOCAL
 AADT: 9,000
 POSTED SPEED: 30 MPH



14-A
CITY OF HOLLYWOOD
PROPOSED TYPICAL SECTION
NW 72 AVENUE
@ JOHNSON STREET
MP 1.513

FUNCTIONAL CLASSIFICATION: RURAL LOCAL
 AADT: 9,000
 POSTED SPEED: 30 MPH

1.2. 19.3-A: Bike Lanes on Washington Street from SR 7 to SW 56th Avenue (Hollywood)

Project Description

The project improvements include providing a bike lane between the currently proposed bike lanes on Washington Street (Index # 19-A and 19-D) where a gap is present. The total length is 0.50 miles.

Project Location

The project is located in Section No. 86000091 on Washington Street from MP 1.762 to MP 2.249. Figure 3.29 below shows the project location.

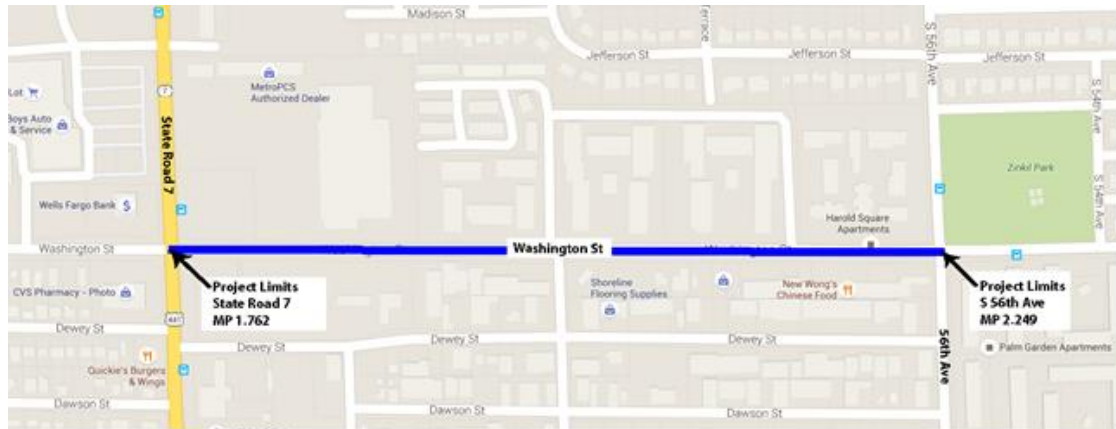
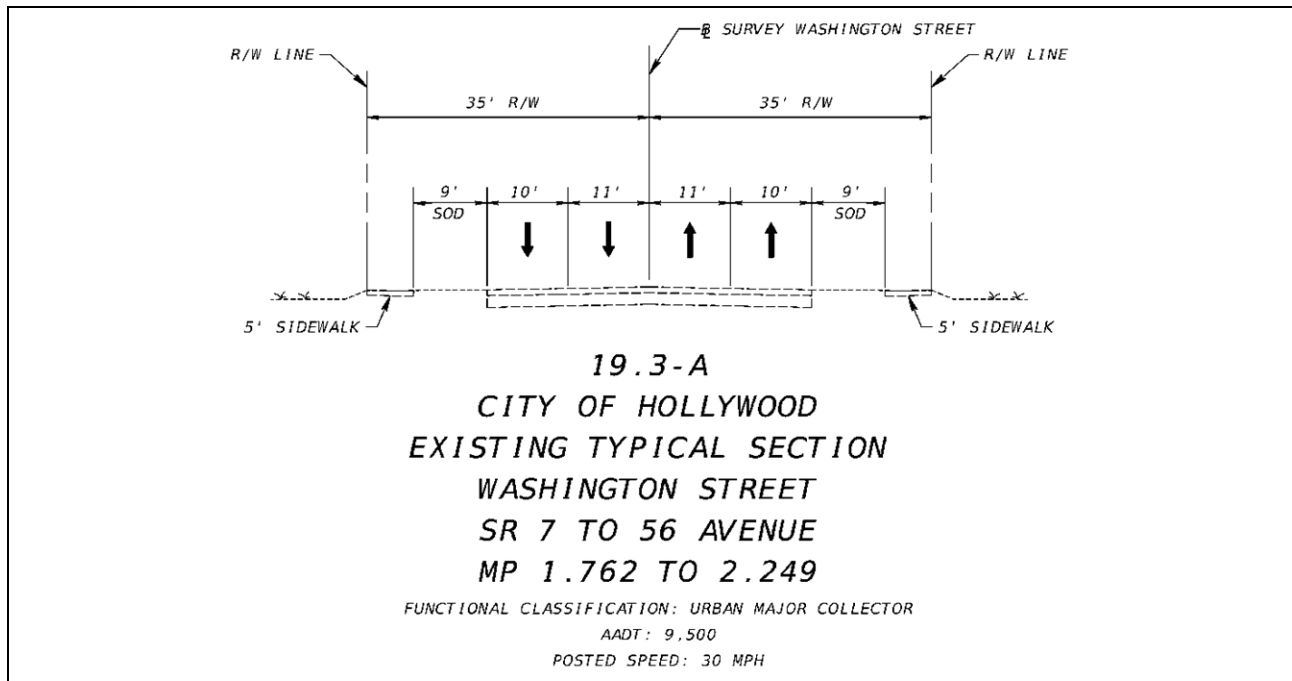


FIGURE: 3.29 LOCATION MAP

Existing Typical Sections



Analysis of Existing Conditions

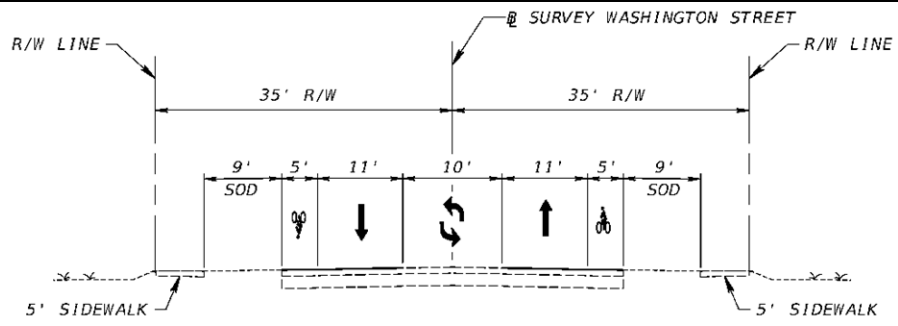
Submerged pumps are located adjacent to the roadway on the westbound side just before the intersection at SR 7. Eleven trees would be impacted by widening for bike lanes. Utility poles would also likely be impacted by widening. During coordination meetings with the City of Hollywood, the City was supportive of reducing the number of travel lanes from four to two with a center turn lane to allow for bike lanes without requiring widening. Existing pavement width is 42-ft. for the typical section. An analysis would need to be conducted to ensure that three lanes will not affect level of service (specifically truck traffic). During the November 16, 2015 meeting with the City of Hollywood, the City stated that SR 7 will have bike lanes in the future.



Recommendations

- a) Restripe the four travel lanes to provide one travel lane in each direction, a center 2-way turn lane and 4-ft. bike lanes.
- b) In the event the community does not support a lane reduction, the alternative is to maintain the current lane configuration and provide shared lane markings (sharrows).
- c) Pavement markings and signs will be upgraded as necessary to meet the latest MUTCD and FDOT standards.
- d) Existing 5-ft. sidewalk to remain.

Recommended Typical Sections



19.3-A
CITY OF HOLLYWOOD
PROPOSED TYPICAL SECTION
WASHINGTON STREET
SR 7 TO 56 AVENUE
MP 1.762 TO 2.249
 FUNCTIONAL CLASSIFICATION: URBAN MAJOR COLLECTOR
 AADT: 9,500
 POSTED SPEED: 30 MPH

1.3. 19-D Bike Lanes on Washington Street from SW 56th Avenue to Park Road (Hollywood)

Project Description

The project improvements include minor widening to accommodate a proposed 5-ft. bike lane on both sides of Washington Street. Pavement markings and signs should be upgraded as necessary to meet standards. Milling and resurfacing will be done as necessary. The total project length is 1.41 miles.

Project Location

The project is located in Section Nos. 86000091 and 86000149 on Washington Street from MP 2.264 to MP 0.791. Figure 3.30 below shows the project location.

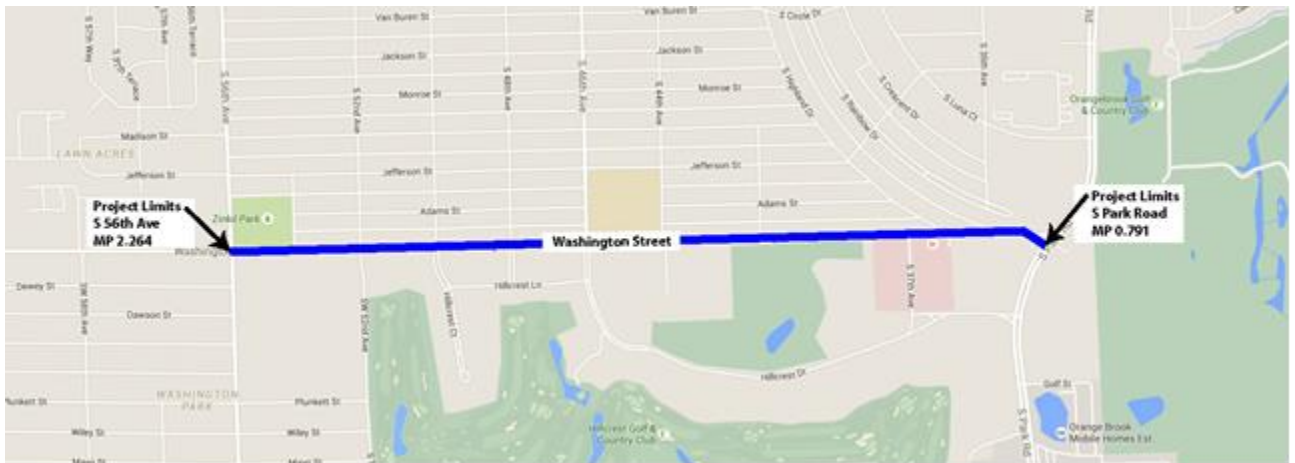
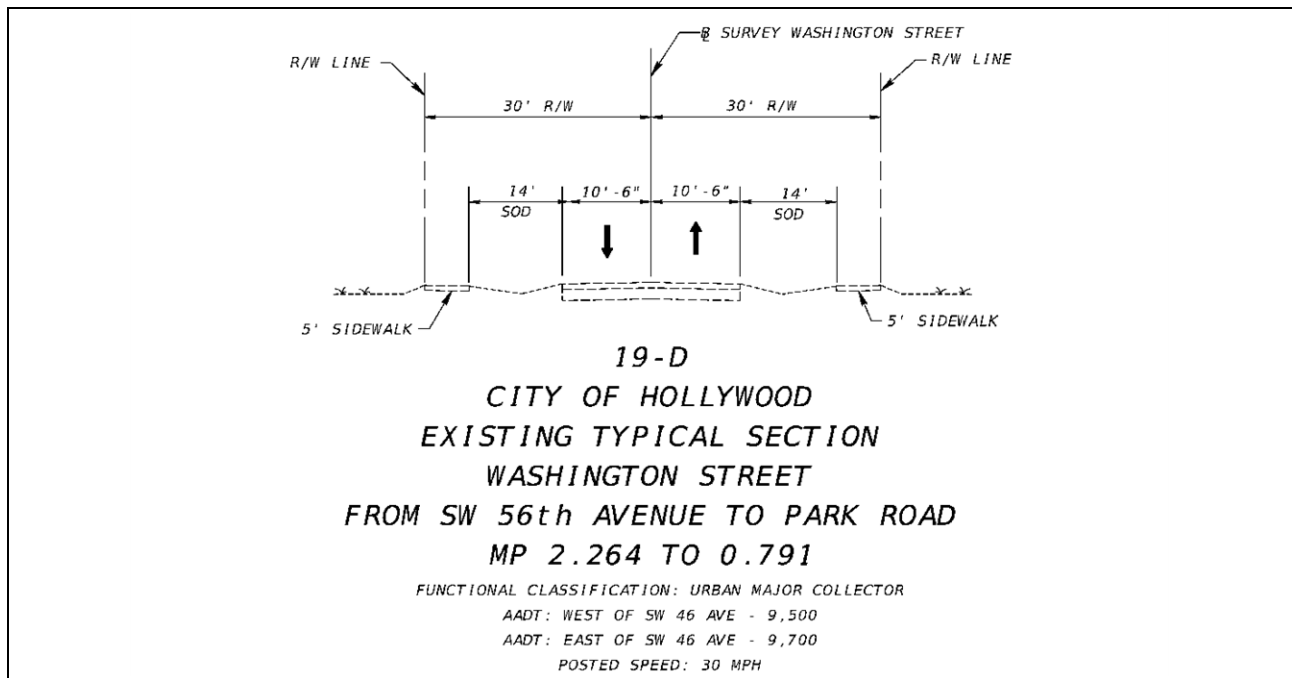


FIGURE: 3.30 LOCATION MAP

Existing Typical Sections



Analysis of Existing Conditions

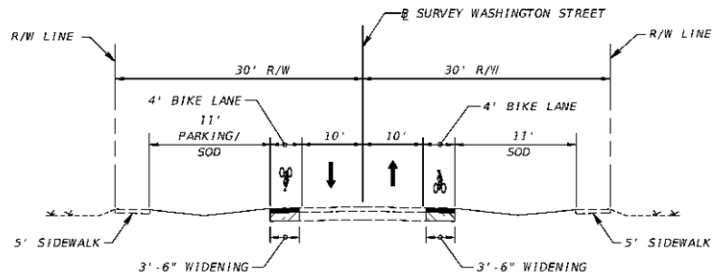
On street parking servicing Zinkil Park may be impacted. Additional parking is available within the park in the southwest corner. The park extends from SW 56th Avenue to SW 54th Avenue on the north side of Washington Street and is frequently used by the public. Numerous mature trees would be impacted by widening and would need to be mitigated for or removed. Overall, there are multiple locations where existing trees, utility poles, water valves, fire hydrant, manhole top and a bus stop would be impacted and may need to be adjusted and/or relocated. During coordination meetings with the City of Hollywood, different alternatives were discussed which would facilitate widening while reducing impacts. One option discussed was to off center the widening to the south side of Washington Street up to 7-ft. in sections to provide the necessary width where feasible. This will reduce drainage impacts as well as impacts to single-family home driveways on the north side.



Recommendations

- a) Widen 3.5-ft. to provide 4-ft. bike lanes in both directions.
- b) Consider off centering the widening to the south side of Washington Street up to 7-ft. in sections to provide the necessary width where feasible.

Recommended Typical Sections



19-D

**CITY OF HOLLYWOOD
 PROPOSED TYPICAL SECTION
 WASHINGTON STREET
 FROM SW 56th AVENUE TO PARK ROAD
 MP 2.264 TO 0.791**

FUNCTIONAL CLASSIFICATION: URBAN MAJOR COLLECTOR

AADT: WEST OF SW 46 AVE - 9,500

AADT: EAST OF SW 46 AVE - 9,700

POSTED SPEED: 30 MPH

1.4. 19-A: Bike Lanes on Washington Street from SW 62nd Avenue to SR 7 (Hollywood)

Project Description

The project improvements consist of widening to accommodate 5-ft. bike lanes on both sides of Washington Street. Pavement markings and signs should be upgraded as necessary to meet standards while the existing 5-ft. sidewalks are to remain. Milling and resurfacing will be done as necessary. The total project length is 0.25 miles.

Project Location

The project is located in Section No. 86000091 on Washington Street from MP 1.505 to MP 1.737. Figure 3.26 below shows the project location.

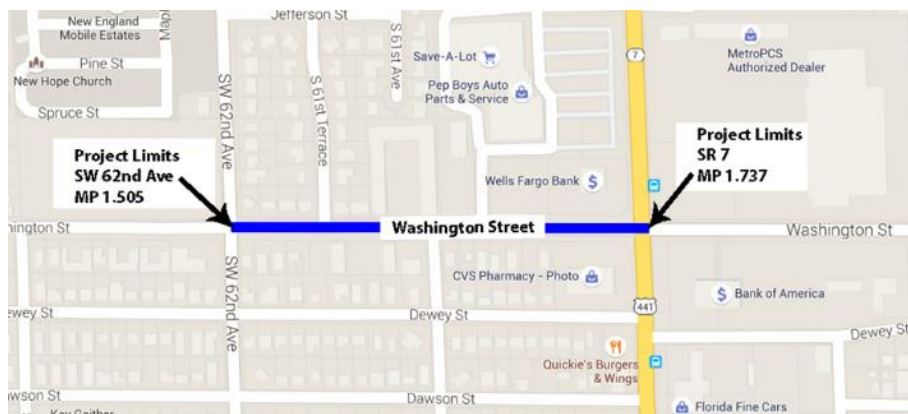
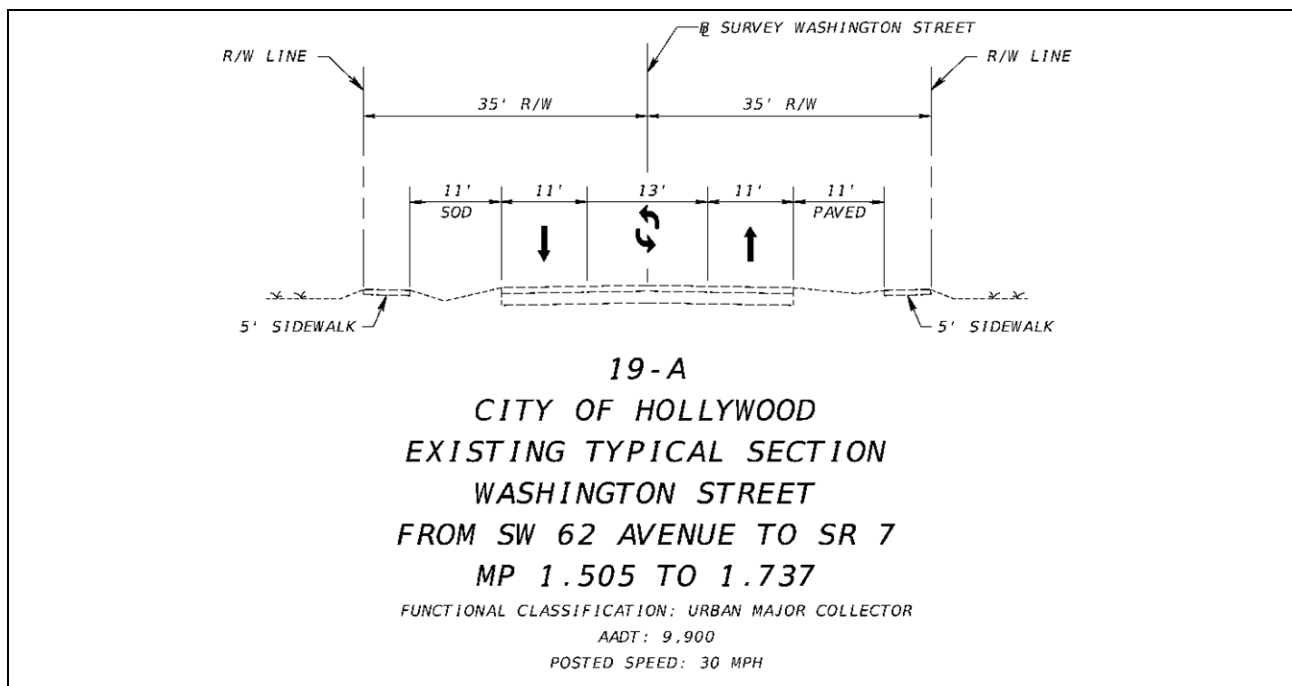


FIGURE: 3.26 LOCATION MAP

Existing Typical Sections



Analysis of Existing Conditions

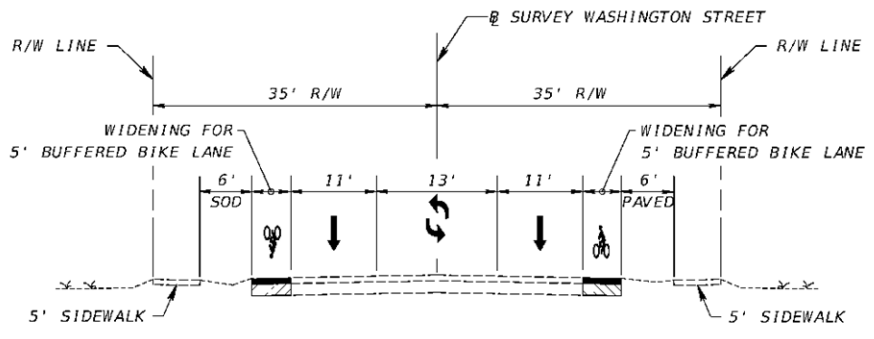
Washington Street is an east-west urban major collector with a posted speed of 30 mph. Impacts include trees, FPL poles, drainage inlets and roadside ponding as shown in the pictures below: Drainage issues may be present at 61st Avenue and may need to be further analyzed.



Recommendations

- a) Widen 5-ft. to provide a 4'+1' buffered bike lane in both directions, widening may require two existing light poles to be relocated.
- b) Pavement markings and signs should be upgraded as necessary to the latest MUTCD and FDOT standards.
- c) Existing 5-ft. sidewalk to remain.
- d) Provide French Drainage to address permitting requirements such as water quality and flooding.

Recommended Typical Sections



19-A
CITY OF HOLLYWOOD
PROPOSED TYPICAL SECTION
WASHINGTON STREET
FROM SW 62 AVENUE TO SR 7
MP 1.505 TO 1.737

FUNCTIONAL CLASSIFICATION: URBAN MAJOR COLLECTOR
 AADT: 9,900
 POSTED SPEED: 30 MPH