

# Miami-Dade County Bicycle Boulevard Planning Study: Model City/Brownsville FIELD REVIEW REPORT

Miami-Dade MPO WO # GPC III-35, Miami, Florida

- Prepared By -  
EBS ENGINEERING, INC.  
EBS PROJECT NO 820-060-822.10



- Prepared For -

KIMLEY-HORN AND ASSOCIATES, INC.  
5200 NW 33rd Avenue, Suite 109  
Fort Lauderdale, FL 33309



Kimley-Horn  
and Associates, Inc.

**Field Review Report**

**Miami-Dade County Bicycle Boulevard Planning Study: Model City/Brownsville**

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**OUTLINE**

- I. BACKGROUND INFORMATION
- II. FACILITY DESCRIPTION
- III. FIELD INSPECTIONS METHODOLOGY
- IV. FINDINGS
- V. SUMMARY OF RESULT
- VI. ATTACHMENT A: PHOTO LOG WITH DESCRIPTION



## **I. BACKGROUND INFORMATION**

EBS Engineering, Inc. (EBS) is a sub-consultant to Kimley-Horn and Associates, Inc. (KHA) contracted to provide Data Collection and Field Review services for the Miami-Dade County Bicycle Boulevard Planning Study: Model City/Brownsville as per Miami-Dade County Metropolitan Planning Organization (MPO) Work Order # GPC III-35.

The purpose of the assessment was to conduct field observations of the project corridors with photo log to determine existing conditions of the corridors; i.e. the number of lanes, width of the travel lanes, sidewalk width, posted speed limits, right-of-way along the project corridor and record observations of bicycle users on study corridors. The field assessment builds upon the results of the initial field review conducted by the project team on April 10, 2009.

## **II. FACILITY DESCRIPTION**

Bicycle Boulevard Planning Study areas were divided into the following eight corridors:

1. NW 21st Avenue from NW 41st Street to NW 83rd Street.
2. NW 14th Avenue from NW 43rd Street to NW 83rd Street.
3. NW 43rd Street from NW 14th Avenue to NW 21st Avenue.
4. NW 50th Street from NW 7th Avenue to NW 32nd Avenue.
5. NW 58th Street from NW 7th Avenue to NW 27th Avenue.
6. NW 67th Street from NW 7th Avenue to NW 27th Avenue.
7. NW 83rd Street from NW 12th Avenue to NW 21st Avenue
8. NW 11th Avenue from NW 50th Street to NW 67th Street

## **III. FIELD INSPECTION**

### **Methodology:**

The methodology adopted for this assessment was a visual examination or observation of existing conditions with a detailed photo log that constitutes the overall corridor status together with adjacent land use configuration. Each corridor was inspected separately as an individual project and detailed photographs were taken. No other external equipment except a camera and a measuring tape were used in the field for this inspection.

#### **IV. FINDINGS**

An extensive/detailed observation with a photo log was supplied by the field engineer and cross verification was done by a qualified engineer as part of our QA/QC efforts.

Field Inspection Day 1: April 29, 2009. Eric I. Oleh (Inspector)

The field review started at NW 21<sup>st</sup> AV and NW 41<sup>st</sup> street, towards north of NW 21<sup>st</sup> AV, from NW 41<sup>st</sup> street and finished at NW 83<sup>rd</sup> street. A total of 151 pictures (see attachment) were taken to capture existing conditions.

Field Inspection Day 2: April 30, 2009. Eric I. Oleh (Inspector)

The field review started at:

1. NW 83<sup>rd</sup> street and 21<sup>st</sup> AV, towards east of NW 83<sup>rd</sup> street, from NW 21<sup>st</sup> AV. to NW 13<sup>th</sup> AV. A total of 14 pictures (see attachment) were taken to capture existing conditions.
2. NW 14<sup>th</sup> AV and NW 83<sup>rd</sup> street, towards south of NW 14<sup>th</sup> AV, from NW 83<sup>rd</sup> street to NW 50<sup>th</sup> street. A total of 32 pictures (see attachment) were taken to capture existing conditions.
3. NW 50<sup>th</sup> street and 7<sup>th</sup> AV, towards east of NW 50<sup>th</sup> street, from NW 7<sup>th</sup> AV to NW 32<sup>nd</sup> AV. A total of 24 pictures (see attachment) were taken to capture the existing conditions.
4. NW 58<sup>th</sup> street and NW 27<sup>th</sup> AV, towards east of NW 58<sup>th</sup> street, from NW 27<sup>th</sup> AV. to NW 7<sup>th</sup> AV. A total of 20 pictures (see attachment) were taken to capture existing conditions.
5. NW 67<sup>th</sup> street and NW 7<sup>th</sup> AV, towards east of NW 67<sup>th</sup> street, from NW 7<sup>th</sup> AV to NW 20<sup>th</sup> AV. A total of 14 pictures (see attachment) were taken to capture existing conditions.

Field Inspection Day 3: May 1, 2009. Eric I. Oleh (Inspector)

The following observations were documented during the field review at:

**NW 83<sup>rd</sup> Street, from NW 21<sup>st</sup> Avenue to NW 12<sup>th</sup> Avenue**

- 1) 2-lanes both way with 11-12 feet lane width.
- 2) Swale on both sides and the width of the swale varies from 8 to 12 feet
- 3) Side walk on both sides and the width of the side walk varies 5 to 6 feet
- 4) 4-ways stops @ NW 21 AVE, NW 19 AVE, NW 18 AVE, and NW 14 AVE.
- 5) Through on NW 83 ST but stops on NW 15 AVE



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- 6) Stops on NW 83 ST but through on NW 17 AVE. NW 17 AVE very busy roads.
- 7) The posted speed limit is 30 MPH

**NW 14<sup>th</sup> Avenue from NW 83<sup>rd</sup> Street to NW 43<sup>th</sup> Street**

- 1) 2- lanes both way with 11-12 feet Lane width
- 2) Swale on both sides and the width of the Swale varies from 5 to 12 feet
- 3) Side walk on both sides and the width of the side walk varies 5 to 6 feet
- 4) No sidewalk on West side between NW 84 ST and NW 79 ST.
- 5) The posted speed limit is 30MPH
- 6) 4-way STOP sign at NW 74 ST, NW 67 ST, NW 65 ST, NW 58 ST, NW 50 ST, NW 41 ST
- 7) 2-way STOPS at NW 14 AVE but through at NW 79 ST, NW 62 ST, NW 54 ST
- 8) NW 62 ST and NW 54 ST are busy roadway so safety might be an issue Unless PED. Signal or re-route to nearest signal.
- 9) NW 14 AVE discontinue at NW 73 ST and the bike lane re-route on NW 12 AVE
- 10) High volume of Traffic on NW 12 AVE. It is 5 lane roadway, 6' Sidewalk on both sides with Cub & Gutter. Existing over bridge between NW 75 & NW 71 ST with signals

**NW 21<sup>th</sup> Avenue from NW 83<sup>rd</sup> Street to NW 41<sup>th</sup> Street**

- 1) 2- lanes both way with 11-12 feet lane width
- 2) Swale on both sides and the width of the Swale varies from 6 to 12 feet
- 3) Side walk on both sides and the width of the side walk varies 5 to 6 feet
- 4) No sidewalk between NW 69 St to NW 72 St and NW 75 ST to NW 79 St.
- 5) The posted speed limit is 30MPH
- 6) 4-way STOP sign at NW 42 ST, NW 48 ST, NW 50 ST, NW 56 ST, NW 58 ST, NW 69 ST, NW 83 ST
- 7) 2-way STOPS at NW 14 AVE but through at NW 46 ST, NW 47 ST, NW 51 St, NW 54 St, NW 60 St, NW 62 St, NW 68 St, NW 70 St, NW 71 St
- 8) High Traffic volume on NW 54 St, NW 62 St & NW 79 St so safety might be an issue unless crossing improvements or re-route to nearest signal.
- 9) NW 21 AVE discontinue at NW 72 ST and the bike lane needs re-route on NW 22 AVE
- 10) High volume of Traffic on NW 22 AVE. It is 6 lane divided roadway, 6' to 8' Sidewalk on both sides with Cub & Gutter
- 11) Signal at SW 72 ST and SW 22 AVE

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**NW 50th Street from NW 7th Avenue to NW 32<sup>nd</sup> Avenue**

- 1) 2 travel lanes @ 12 feet each
- 2) 9' Parking lane on both sides with curb and gutter
- 3) No Parking lane between NW 17 AVE to NW 33 AVE except in few spot
- 4) 5-18' swale on both sides, no swale between NW 12 to NW 17 AVE and NW 22 AVE
- 5) 5'-6' sidewalk on both sides
- 6) All way/ 4-way STOP at NW 14 AVE, NW 18 AVE, NW 19 AVE, 21 AVE, NW 23 AVE,
- 7) STOP at NW 50 St but through on NW 7 AVE, NW 10 AVE, 11 AVE, NW 22 AVE, NW 32
- 8) Through on NW 50 St but STOP at NW 8 AVE, NW 13 AVE, NW 15 AVE, NW 16 AVE, NW 24 AVE, 26 AVE
- 9) High Traffic Volume on NW 7 AVE, NW 22 AVE
- 10) Signalized intersection at NW 12 AVE, NW 17 AVE, NW 27 AVE, NW 32 AVE
- 11) PED Signal at School between NW 12 – 13 AVE
- 12) The posted speed limit is 30 MPH

**NW 58<sup>th</sup> Street from NW 27<sup>th</sup> Avenue to NW 7<sup>th</sup> Avenue**

- 1) 2 travel lanes @ 12 feet each
- 2) 9' Parking lane on both sides with curb and gutter from NW 7 to 17 AVE
- 3) No Parking lane between NW 17 AVE to NW 27 AVE
- 4) 5-12' Swale on both sides, no swale in some areas.
- 5) 5'-6' sidewalk on both sides
- 6) All way/ 4-way STOP at NW 14 AVE, NW 21 AVE, NW 24 AVE,
- 7) STOP at NW 58 St but through on NW 17 AVE, NW 19 AVE, NW 22 AVE, NW 27 AVE,
- 8) Through on NW 58 St but STOP at NW 7 Ct, NW 7 PL, NW 8 AVE, NW 9 AVE, NW 11 AVE, NW 13 AVE, NW 15 AVE, NW 18 AVE, NW 23 AVE, NW 25 AVE,
- 9) High Traffic Volume on NW 17 AVE, NW 22 AVE,
- 10) Signalized intersection at NW 7 AVE, NW 10 AVE, NW 12 AVE
- 11) The posted speed limit is 30 MPH

**NW 43<sup>th</sup> Street from NW 14<sup>th</sup> Avenue to NW 21<sup>th</sup> Avenue**

- 1) 2 travel lanes @ 12 feet each
- 2) 5-12' Swale on both sides, no swale in some areas.
- 3) 5'-6' sidewalk on both sides
- 4) STOP at NW 43 St but through on NW 14 AVE, NW 15 AVE, NW 17 AVE, NW 18 AVE, NW 19 AVE, NW 21 AVE.

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- 5) Through on NW 43 St but STOP at NW 14 Ct, NW 16 AV.
- 6) High Traffic Volume on NW 17 AVE.
- 7) The posted speed limit is 30 MPH

**NW 67<sup>th</sup> Street from NW 7<sup>th</sup> Avenue to NW 20<sup>th</sup> Avenue**

- 1) 2 travel lanes @ 11-12 feet each
- 2) Additional Lane on north side near school/NW 11 AVE and
- 3) 5-14' Swale on both sides, no swale in some areas
- 4) 5'-6' sidewalk on both sides, no side walk between NW 15 to 17 AVE
- 5) All way/ 4-way STOP at NW 10 AVE, NW 14 AVE, NW 26 AVE
- 6) STOP at NW 67 St but through on NW 13 AVE, NW 15 AVE, NW 17 AVE, NW 18 AV, NW 19 AV, NW 20 AV, NW 23 AV, NW 24 AV, NW 27 AV
- 7) NW 67 AVE discontinue between NW 20 AVE and NW 23 Avenue, Bike lane needs to re-route to NW 20 AVE and NW 68 ST
- 8) Through on NW 67 St but STOP at NW 8 AV, NW 11 AV, NW 13 PL
- 9) High Traffic Volume on NW 17 AVE,
- 10) Signalized intersection at NW 7 AVE, NW 12 AVE
- 11) The posted speed limit is 30 MPH

Field Inspection Day 4: June 5, 2009: Nirmal K. Datta, PE

A total of 28 pictures were taken to capture existing condition. As a part of our QA/QC plan all area of encroachment were revisited and detailed dimensions were noted.

Please note that the eighth corridor (NW 11<sup>th</sup> Avenue) was added after the field review process during the public involvement and coordination phase. Therefore, subsequent field reviews were performed by Kimley-Horn, which noted the following.

**NW 11<sup>th</sup> Avenue from NW 50<sup>th</sup> Street to NW 67<sup>th</sup> Street**

- 1) 2 travel lanes @ 10-11 feet each
- 2) 5-6' Swale on both sides, no swale in some areas
- 3) 5'-6' sidewalk on both sides
- 4) STOP at NW 54 St, NW 58 St, and NW 62 St but through on NW 51 St, NW 51 Tr, NW 52 St, NW 53 St, NW 55 St, NW 55 Tr, NW 56 St, NW 57 St, NW 58 Tr, NW 59 St, NW 60 St, NW 61 St, NW 63 St, NW 64 St, NW 65 St, NW 66 St, and NW 67 St
- 5) High Traffic Volume on NW 54 St and NW 62 St
- 6) The posted speed limit is 30 MPH

## **VI. SUMMARY OF RESULT**

Based on above findings, we conclude that the proposed corridors can be used as a viable bicycle route if improvements are made consistent with typical bicycle boulevard implementation programs. Detailed survey information shall be taken in areas of encroachment as mentioned above during the design phase.

## **ATTACHMENT A**

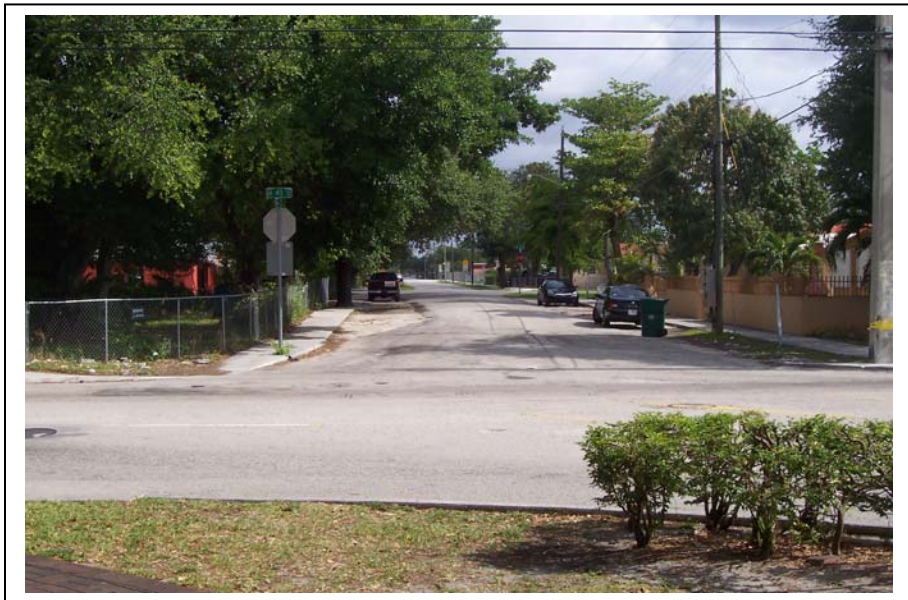
### **PHOTO LOG WITH DESCRIPTION**



ATTACHMENT A  
Corridor 1 – NW 21 Avenue from NW 41 Street to NW 83 Street



NW 21 Avenue @ NW 41 Street looking Northwest



NW 21 Avenue @ NW 41 Street looking North

ATTACHMENT A  
Corridor 1 – NW 21 Avenue from NW 41 Street to NW 83 Street



NW 21 Avenue @ NW 41 Street looking Northeast



NW 21 Avenue @ NW 41 Street looking West



ATTACHMENT A  
Corridor 1 – NW 21 Avenue from NW 41 Street to NW 83 Street



NW 21 Avenue @ NW 42 Street looking South



NW 21 Avenue @ NW 42 Street looking North

ATTACHMENT A  
Corridor 1 – NW 21 Avenue from NW 41 Street to NW 83 Street



NW 21 Avenue @ NW 42 Street looking Northwest



NW 21 Avenue @ NW 42 Street looking Northeast

ATTACHMENT A  
Corridor 1 – NW 21 Avenue from NW 41 Street to NW 83 Street



NW 21 Avenue @ NW 43 Street looking South



NW 21 Avenue @ NW 43 Street looking North



ATTACHMENT A  
Corridor 1 – NW 21 Avenue from NW 41 Street to NW 83 Street



NW 21 Avenue @ NW 43 Street looking Northwest



NW 21 Avenue @ NW 43 Street looking Northeast

ATTACHMENT A  
Corridor 1 – NW 21 Avenue from NW 41 Street to NW 83 Street



NW 21 Avenue @ NW 45 Street looking South

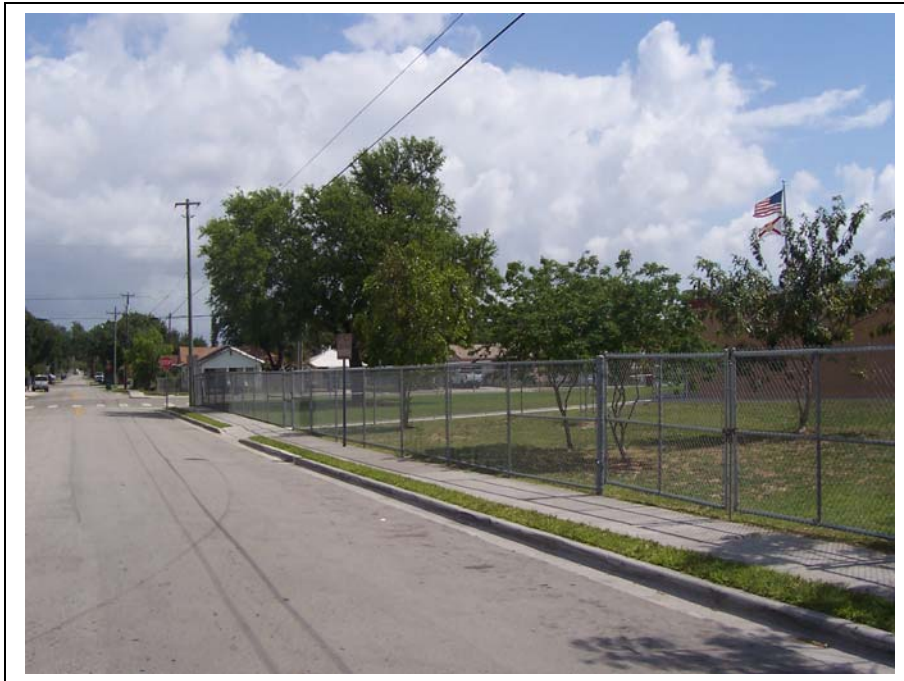


NW 21 Avenue @ NW 45 Street looking North

ATTACHMENT A  
Corridor 1 – NW 21 Avenue from NW 41 Street to NW 83 Street



NW 21 Avenue @ NW 45 Street looking Northwest



NW 21 Avenue @ NW 45 Street looking Northeast



ATTACHMENT A  
Corridor 1 – NW 21 Avenue from NW 41 Street to NW 83 Street



NW 21 Avenue @ NW 45 Street looking West



NW 21 Avenue @ NW 45 Street looking East

ATTACHMENT A  
Corridor 1 – NW 21 Avenue from NW 41 Street to NW 83 Street



NW 21 Avenue @ NW 46 Street looking South



ATTACHMENT A  
Corridor 1 – NW 21 Avenue from NW 41 Street to NW 83 Street



NW 21 Avenue @ NW 46 Street looking North



NW 21 Avenue @ NW 46 Street looking Northwest

ATTACHMENT A  
Corridor 1 – NW 21 Avenue from NW 41 Street to NW 83 Street

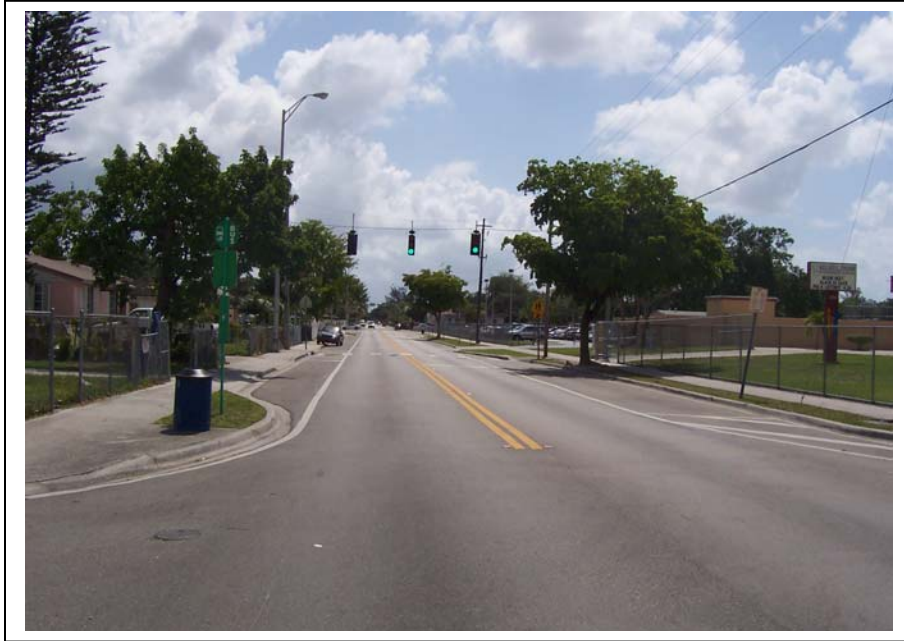


NW 21 Avenue @ NW 46 Street looking Northeast



NW 21 Avenue @ NW 46 Street looking West

ATTACHMENT A  
Corridor 1 – NW 21 Avenue from NW 41 Street to NW 83 Street



NW 21 Avenue @ NW 46 Street looking East



NW 21 Avenue @ NW 47 Street looking South



ATTACHMENT A  
Corridor 1 – NW 21 Avenue from NW 41 Street to NW 83 Street



NW 21 Avenue @ NW 47 Street looking North



NW 21 Avenue @ NW 47 Street looking Northwest

ATTACHMENT A  
Corridor 1 – NW 21 Avenue from NW 41 Street to NW 83 Street



NW 21 Avenue @ NW 47 Street looking Northeast



NW 21 Avenue @ NW 47 Street looking West



ATTACHMENT A  
Corridor 1 – NW 21 Avenue from NW 41 Street to NW 83 Street



NW 21 Avenue @ NW 47 Street looking East



NW 21 Avenue @ NW 47 Terrace looking South

ATTACHMENT A  
Corridor 1 – NW 21 Avenue from NW 41 Street to NW 83 Street



NW 21 Avenue @ NW 47 Terrace looking North



NW 21 Avenue @ NW 47 Terrace looking Northwest

ATTACHMENT A  
Corridor 1 – NW 21 Avenue from NW 41 Street to NW 83 Street



NW 21 Avenue @ NW 47 Terrace looking Northeast



NW 21 Avenue @ NW 47 Terrace looking West



ATTACHMENT A  
Corridor 1 – NW 21 Avenue from NW 41 Street to NW 83 Street



NW 21 Avenue @ NW 47 Terrace looking East

ATTACHMENT A  
Corridor 1 – NW 21 Avenue from NW 41 Street to NW 83 Street



NW 21 Avenue @ NW 48 Street looking South



NW 21 Avenue @ NW 48 Street looking North

ATTACHMENT A  
Corridor 1 – NW 21 Avenue from NW 41 Street to NW 83 Street



NW 21 Avenue @ NW 48 Street looking Northwest



NW 21 Avenue @ NW 48 Street looking Northeast



ATTACHMENT A  
Corridor 1 – NW 21 Avenue from NW 41 Street to NW 83 Street



NW 21 Avenue @ NW 48 Street looking West



NW 21 Avenue @ NW 48 Street looking East



ATTACHMENT A  
Corridor 1 – NW 21 Avenue from NW 41 Street to NW 83 Street



NW 21 Avenue @ NW 49 Street looking South



NW 21 Avenue @ NW 49 Street looking North

ATTACHMENT A  
Corridor 1 – NW 21 Avenue from NW 41 Street to NW 83 Street



NW 21 Avenue @ NW 49 Street looking Northwest



NW 21 Avenue @ NW 49 Street looking Northeast

ATTACHMENT A  
Corridor 1 – NW 21 Avenue from NW 41 Street to NW 83 Street



NW 21 Avenue @ NW 49 Street looking West



NW 21 Avenue @ NW 49 Street looking East



ATTACHMENT A  
Corridor 1 – NW 21 Avenue from NW 41 Street to NW 83 Street



NW 21 Avenue @ NW 50 Street looking North



ATTACHMENT A  
Corridor 1 – NW 21 Avenue from NW 41 Street to NW 83 Street



NW 21 Avenue @ NW 50 Street looking Northwest



NW 21 Avenue @ NW 50 Street looking Northeast

ATTACHMENT A  
Corridor 1 – NW 21 Avenue from NW 41 Street to NW 83 Street



NW 21 Avenue @ NW 50 Street looking West



NW 21 Avenue @ NW 50 Street looking East



ATTACHMENT A  
Corridor 1 – NW 21 Avenue from NW 41 Street to NW 83 Street



NW 21 Avenue @ NW 51 Terrace looking North



NW 21 Avenue @ NW 51 Terrace looking Northwest

ATTACHMENT A  
Corridor 1 – NW 21 Avenue from NW 41 Street to NW 83 Street



NW 21 Avenue @ NW 51 Terrace looking North



NW 21 Avenue @ NW 51 Terrace looking Northwest



ATTACHMENT A  
Corridor 1 – NW 21 Avenue from NW 41 Street to NW 83 Street



NW 21 Avenue @ NW 51 Terrace looking Northeast



NW 21 Avenue @ NW 51 Terrace looking West

ATTACHMENT A  
Corridor 1 – NW 21 Avenue from NW 41 Street to NW 83 Street



NW 21 Avenue @ NW 52 Street looking North



NW 21 Avenue @ NW 52 Street looking Northwest



ATTACHMENT A  
Corridor 1 – NW 21 Avenue from NW 41 Street to NW 83 Street

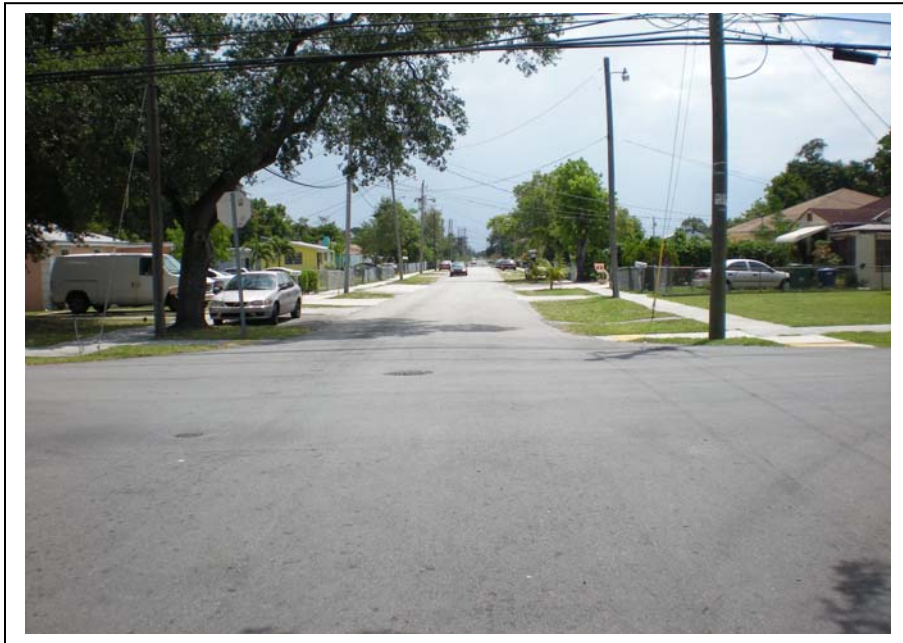


NW 21 Avenue @ NW 52 Street looking Northeast

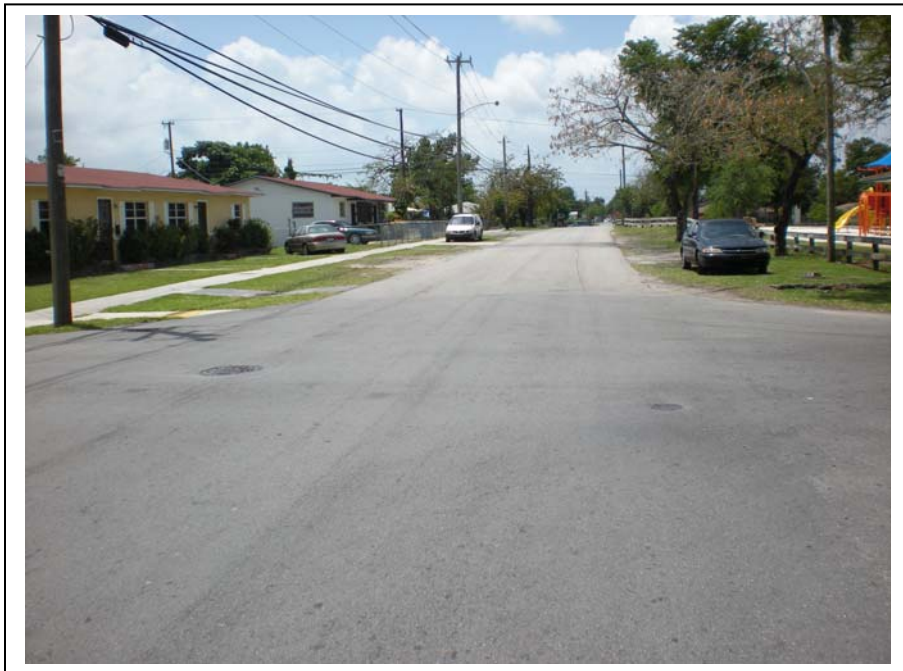


NW 21 Avenue @ NW 52 Street looking West

ATTACHMENT A  
Corridor 1 – NW 21 Avenue from NW 41 Street to NW 83 Street



NW 21 Avenue @ NW 52 Street looking East



NW 21 Avenue @ NW 52 Street looking South



ATTACHMENT A  
Corridor 1 – NW 21 Avenue from NW 41 Street to NW 83 Street



NW 21 Avenue @ NW 53 Street looking North



NW 21 Avenue @ NW 53 Street looking Northwest

ATTACHMENT A  
Corridor 1 – NW 21 Avenue from NW 41 Street to NW 83 Street



NW 21 Avenue @ NW 53 Street looking Northeast



NW 21 Avenue @ NW 53 Street looking West



ATTACHMENT A  
Corridor 1 – NW 21 Avenue from NW 41 Street to NW 83 Street



NW 21 Avenue @ NW 53 Street looking East



NW 21 Avenue @ NW 53 Street looking South



ATTACHMENT A  
Corridor 1 – NW 21 Avenue from NW 41 Street to NW 83 Street



NW 21 Avenue @ NW 54 Street looking North



NW 21 Avenue @ NW 54 Street looking Northwest

ATTACHMENT A  
Corridor 1 – NW 21 Avenue from NW 41 Street to NW 83 Street



NW 21 Avenue @ NW 54 Street looking Northeast

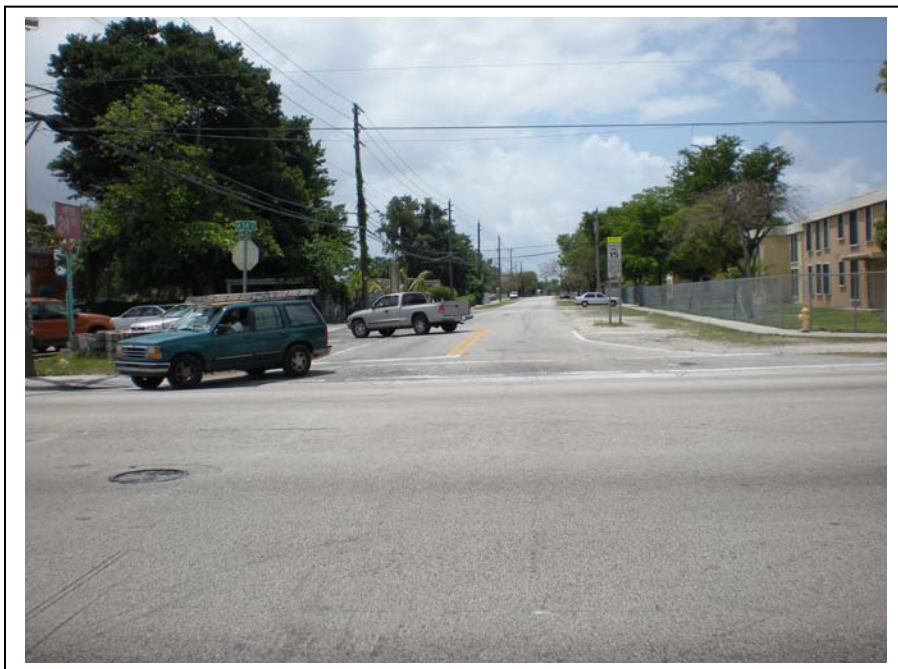


NW 21 Avenue @ NW 54 Street looking West

ATTACHMENT A  
Corridor 1 – NW 21 Avenue from NW 41 Street to NW 83 Street



NW 21 Avenue @ NW 54 Street looking East



NW 21 Avenue @ NW 54 Street looking South



ATTACHMENT A  
Corridor 1 – NW 21 Avenue from NW 41 Street to NW 83 Street



NW 21 Avenue @ NW 55 Street looking North



NW 21 Avenue @ NW 55 Street looking Northwest

ATTACHMENT A  
Corridor 1 – NW 21 Avenue from NW 41 Street to NW 83 Street



NW 21 Avenue @ NW 55 Street looking Northeast



NW 21 Avenue @ NW 55 Street looking West



ATTACHMENT A  
Corridor 1 – NW 21 Avenue from NW 41 Street to NW 83 Street



NW 21 Avenue @ NW 55 Street looking East



NW 21 Avenue @ NW 55 Street looking South



ATTACHMENT A  
Corridor 1 – NW 21 Avenue from NW 41 Street to NW 83 Street



NW 21 Avenue @ NW 56 Street looking North



NW 21 Avenue @ NW 56 Street looking Northwest

ATTACHMENT A  
Corridor 1 – NW 21 Avenue from NW 41 Street to NW 83 Street



NW 21 Avenue @ NW 56 Street looking Northeast



NW 21 Avenue @ NW 56 Street looking West

ATTACHMENT A  
Corridor 1 – NW 21 Avenue from NW 41 Street to NW 83 Street



NW 21 Avenue @ NW 56 Street looking East



NW 21 Avenue @ NW 56 Street looking South



ATTACHMENT A  
Corridor 1 – NW 21 Avenue from NW 41 Street to NW 83 Street



NW 21 Avenue @ NW 56 Street looking Southwest



NW 21 Avenue @ NW 56 Street looking Southeast

ATTACHMENT A  
Corridor 1 – NW 21 Avenue from NW 41 Street to NW 83 Street



NW 21 Avenue @ NW 57 Street looking North



NW 21 Avenue @ NW 57 Street looking West

ATTACHMENT A  
Corridor 1 – NW 21 Avenue from NW 41 Street to NW 83 Street



NW 21 Avenue @ NW 57 Street looking East



NW 21 Avenue @ NW 58 Street looking North



ATTACHMENT A  
Corridor 1 – NW 21 Avenue from NW 41 Street to NW 83 Street



NW 21 Avenue @ NW 58 Street looking Northwest



NW 21 Avenue @ NW 58 Street looking Northeast

ATTACHMENT A  
Corridor 1 – NW 21 Avenue from NW 41 Street to NW 83 Street



NW 21 Avenue @ NW 58 Street looking West

ATTACHMENT A  
Corridor 1 – NW 21 Avenue from NW 41 Street to NW 83 Street



NW 21 Avenue @ NW 58 Street looking West



NW 21 Avenue @ NW 58 Street looking East



ATTACHMENT A  
Corridor 1 – NW 21 Avenue from NW 41 Street to NW 83 Street



NW 21 Avenue @ NW 59 Street looking North



NW 21 Avenue @ NW 59 Street looking Northwest

ATTACHMENT A  
Corridor 1 – NW 21 Avenue from NW 41 Street to NW 83 Street



NW 21 Avenue @ NW 59 Street looking Northeast



NW 21 Avenue @ NW 59 Street looking West

ATTACHMENT A  
Corridor 1 – NW 21 Avenue from NW 41 Street to NW 83 Street



NW 21 Avenue @ NW 59 Street looking East



NW 21 Avenue @ NW 59 Street looking South



ATTACHMENT A  
Corridor 1 – NW 21 Avenue from NW 41 Street to NW 83 Street



NW 21 Avenue @ NW 60 Street looking North



NW 21 Avenue @ NW 60 Street looking Northwest

ATTACHMENT A  
Corridor 1 – NW 21 Avenue from NW 41 Street to NW 83 Street



NW 21 Avenue @ NW 60 Street looking Northeast



NW 21 Avenue @ NW 60 Street looking West

ATTACHMENT A  
Corridor 1 – NW 21 Avenue from NW 41 Street to NW 83 Street



NW 21 Avenue @ NW 60 Street looking East



NW 21 Avenue @ NW 60 Street looking South



ATTACHMENT A  
Corridor 1 – NW 21 Avenue from NW 41 Street to NW 83 Street



NW 21 Avenue @ 61 Street looking North



NW 21 Avenue @ 61 Street looking South

ATTACHMENT A  
Corridor 1 – NW 21 Avenue from NW 41 Street to NW 83 Street



NW 21 Avenue @ 62 Street looking North



NW 21 Avenue @ 62 Street looking South

ATTACHMENT A  
Corridor 1 – NW 21 Avenue from NW 41 Street to NW 83 Street



NW 21 Avenue @ NW 63 Street looking North



NW 21 Avenue @ NW 63 Street looking South



ATTACHMENT A  
Corridor 1 – NW 21 Avenue from NW 41 Street to NW 83 Street



NW 21 Avenue @ NW 64 Street looking North



NW 21 Avenue @ NW 64 Street looking South

ATTACHMENT A  
Corridor 1 – NW 21 Avenue from NW 41 Street to NW 83 Street



NW 21 Avenue @ NW 65 Street looking North



NW 21 @ NW 65 Street looking South

ATTACHMENT A  
Corridor 1 – NW 21 Avenue from NW 41 Street to NW 83 Street



NW 21 Avenue @ NW 66 Street looking North



NW 21 Avenue @ NW 66 Street looking South



ATTACHMENT A  
Corridor 1 – NW 21 Avenue from NW 41 Street to NW 83 Street



NW 21 Avenue @ NW 68 Street looking North



NW 21 Avenue @ NW 68 Street looking South

ATTACHMENT A  
Corridor 1 – NW 21 Avenue from NW 41 Street to NW 83 Street



NW 21 Avenue @ NW 75 Street looking North



NW 21 Avenue @ NW 75 Street looking South

ATTACHMENT A  
Corridor 1 – NW 21 Avenue from NW 41 Street to NW 83 Street



NW 21 Avenue @ NW 76 Street looking North



NW 21 Avenue @ NW 76 Street looking South



ATTACHMENT A  
Corridor 1 – NW 21 Avenue from NW 41 Street to NW 83 Street



NW 21 Avenue @ NW 77 Street looking North



NW 21 Avenue @ NW 77 Street looking South

ATTACHMENT A  
Corridor 1 – NW 21 Avenue from NW 41 Street to NW 83 Street



NW 21 Avenue @ NW 78 Street looking North



NW 21 Avenue @ NW 78 Street looking South

ATTACHMENT A  
Corridor 1 – NW 21 Avenue from NW 41 Street to NW 83 Street



NW 21 Avenue @ NW 79 Street looking North



NW 21 Avenue @ NW 79 Street looking South



ATTACHMENT A  
Corridor 1 – NW 21 Avenue from NW 41 Street to NW 83 Street



NW 21 Avenue @ NW 80 Street looking North



NW 21 Avenue @ NW 80 Street looking South

ATTACHMENT A  
Corridor 1 – NW 21 Avenue from NW 41 Street to NW 83 Street



NW 21 Avenue @ NW 81 Street looking North



NW 21 Avenue @ NW 81 Street looking South

ATTACHMENT A  
Corridor 1 – NW 21 Avenue from NW 41 Street to NW 83 Street



NW 21 Avenue @ NW 82 Street looking North



NW 21 Avenue @ NW 82 Street looking South



ATTACHMENT A  
Corridor 2 – NW 14 Avenue from NW 43 Street to NW 83 Street



NW 14 Avenue from NW 83 Street looking North



NW 14 Avenue from NW 83 Street looking South

ATTACHMENT A  
Corridor 2 – NW 14 Avenue from NW 43 Street to NW 83 Street



NW 14 Avenue from NW 81 Street looking North



NW 14 Avenue from NW 81 Street looking South

ATTACHMENT A  
Corridor 2 – NW 14 Avenue from NW 43 Street to NW 83 Street



NW 14 Avenue from NW 79 Street looking North



NW 14 Avenue from NW 79 Street looking South



ATTACHMENT A  
Corridor 2 – NW 14 Avenue from NW 43 Street to NW 83 Street



NW 14 Avenue from NW 77 Terrace looking South



NW 14 Avenue from NW 77 Street looking South

ATTACHMENT A  
Corridor 2 – NW 14 Avenue from NW 43 Street to NW 83 Street



NW 14 Avenue from NW 77 Street looking North



NW 14 Avenue from NW 75 Street looking South

ATTACHMENT A  
Corridor 2 – NW 14 Avenue from NW 43 Street to NW 83 Street



NW 14 Avenue from NW 75 Street looking North



NW 14 Avenue from NW 74 Street looking South



ATTACHMENT A  
Corridor 2 – NW 14 Avenue from NW 43 Street to NW 83 Street



NW 14 Avenue from NW 73 Street looking South



NW 14 Avenue from NW 72 Street looking North

ATTACHMENT A  
Corridor 2 – NW 14 Avenue from NW 43 Street to NW 83 Street



NW 14 Avenue from NW 71 Terrace looking South



NW 14 Avenue from NW 71 Street looking South

ATTACHMENT A  
Corridor 2 – NW 14 Avenue from NW 43 Street to NW 83 Street



NW 14 Avenue from NW 71 Street looking North



NW 14 Avenue from NW 70 Street looking South



ATTACHMENT A  
Corridor 2 – NW 14 Avenue from NW 43 Street to NW 83 Street



NW 14 Avenue from NW 69 Street looking South



NW 14 Avenue from NW 68 Street looking South

ATTACHMENT A  
Corridor 2 – NW 14 Avenue from NW 43 Street to NW 83 Street



NW 14 Avenue from NW 67 Street looking North



NW 14 Avenue from NW 67 Street looking South

ATTACHMENT A  
Corridor 2 – NW 14 Avenue from NW 43 Street to NW 83 Street



NW 14 Avenue from NW 65 Street looking South



NW 14 Avenue from NW 63 Street looking North



ATTACHMENT A  
Corridor 2 – NW 14 Avenue from NW 43 Street to NW 83 Street



NW 14 Avenue from NW 63 Street looking South



NW 14 Avenue from NW 62 Street looking North

ATTACHMENT A  
Corridor 2 – NW 14 Avenue from NW 43 Street to NW 83 Street



NW 14 Avenue from NW 62 Street looking South



NW 14 Avenue from NW 61 Street looking South

ATTACHMENT A  
Corridor 2 – NW 14 Avenue from NW 43 Street to NW 83 Street



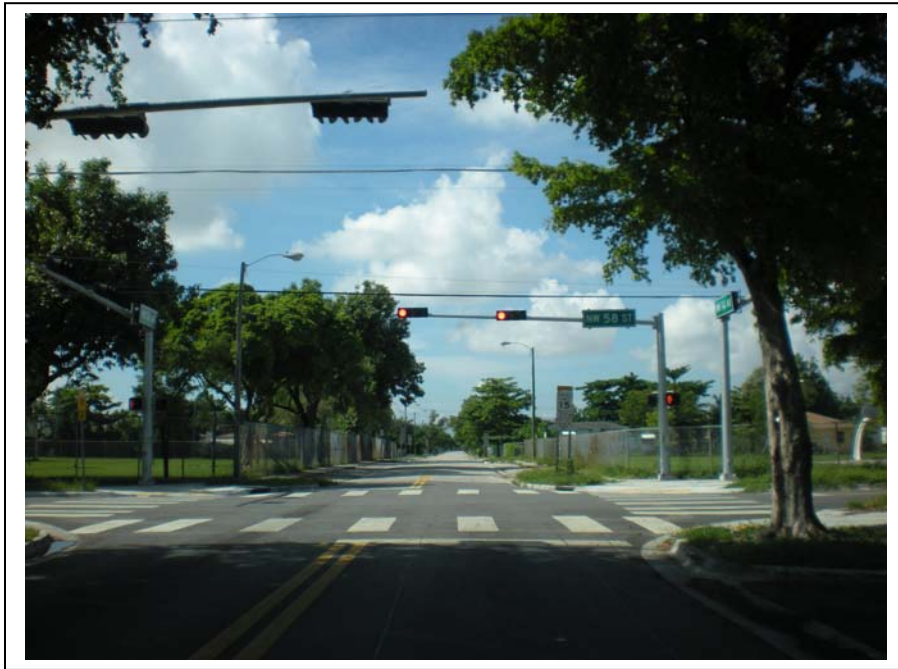
NW 14 Avenue from NW 59 Street looking South



NW 14 Avenue from NW 58 Terrace looking North



ATTACHMENT A  
Corridor 2 – NW 14 Avenue from NW 43 Street to NW 83 Street



NW 14 Avenue from NW 58 Street looking South



NW 14 Avenue from NW 58 Street looking North

ATTACHMENT A  
Corridor 2 – NW 14 Avenue from NW 43 Street to NW 83 Street



NW 14 Avenue from NW 56 Street looking South



NW 14 Avenue from NW 55 Terrace looking North

ATTACHMENT A  
Corridor 2 – NW 14 Avenue from NW 43 Street to NW 83 Street



NW 14 Avenue from NW 54 Street looking South



NW 14 Avenue from NW 54 Street looking North

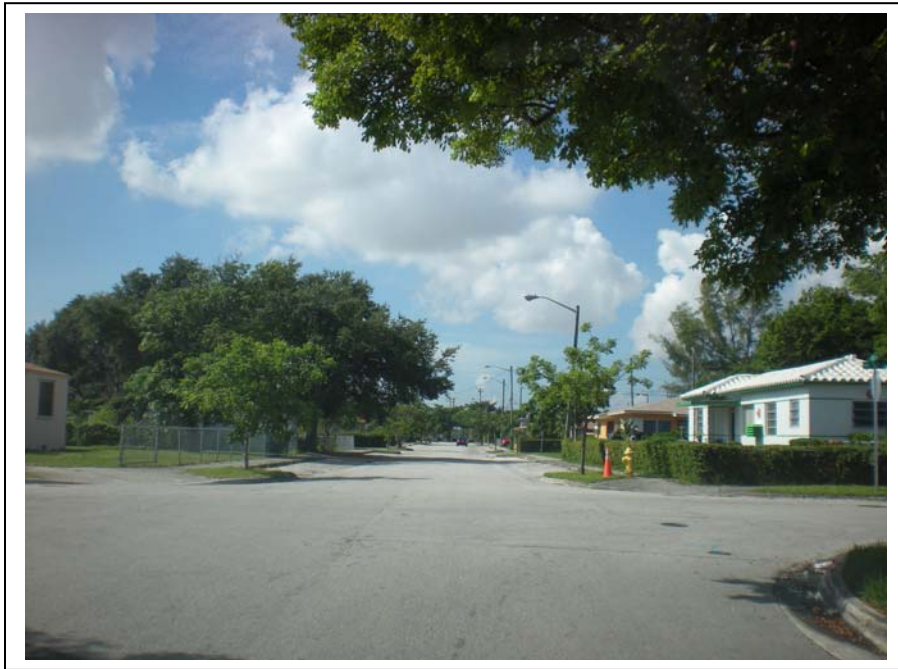


ATTACHMENT A  
Corridor 2 – NW 14 Avenue from NW 43 Street to NW 83 Street



NW 14 Avenue from NW 53 Street looking South

ATTACHMENT A  
Corridor 2 – NW 14 Avenue from NW 43 Street to NW 83 Street



NW 14 Avenue from NW 52 Street looking South



NW 14 Avenue from NW 52 Street looking North

ATTACHMENT A  
Corridor 2 – NW 14 Avenue from NW 43 Street to NW 83 Street



NW 14 Avenue from NW 51 Street looking North



NW 14 Avenue from NW 51 Street looking South



ATTACHMENT A  
Corridor 2 – NW 14 Avenue from NW 43 Street to NW 83 Street



NW 50 Street from NW 14 Avenue looking West



NW 15 Avenue from NW 51 Street looking South

ATTACHMENT A  
Corridor 2 – NW 14 Avenue from NW 43 Street to NW 83 Street



NW 15 Avenue from NW 47 Street looking South



NW 14 Avenue from NW 46 Street looking North

ATTACHMENT A  
Corridor 2 – NW 14 Avenue from NW 43 Street to NW 83 Street



NW 14 Avenue from NW 45 Street looking South



NW 14 Avenue from NW 45 Street looking North



ATTACHMENT A  
Corridor 2 – NW 14 Avenue from NW 43 Street to NW 83 Street



NW 14 Avenue from NW 44 Street looking South



NW 14 Avenue from NW 44 Street looking North

ATTACHMENT A  
Corridor 2 – NW 14 Avenue from NW 43 Street to NW 83 Street



NW 14 Avenue from NW 43 Street looking South



NW 14 Avenue from NW 43 Street looking North

ATTACHMENT A  
Corridor 3 : NW 43 Street from NW 14 Avenue to NW 21 Avenue



NW 43 Street @ NW 21 Avenue looking West



NW 43 Street @ NW 21 Avenue looking West



ATTACHMENT A  
Corridor 3 : NW 43 Street from NW 14 Avenue to NW 21 Avenue



NW 43 Street @ NW 19 Avenue looking West



NW 43 Street @ NW 18 Avenue looking West

## ATTACHMENT A

Corridor 3 : NW 43 Street from NW 14 Avenue to NW 21 Avenue



NW 43 Street @ NW 17 Avenue looking West



NW 43 Street @ NW 15 Avenue looking West

ATTACHMENT A  
Corridor 3 : NW 43 Street from NW 14 Avenue to NW 21 Avenue



NW 43 Street @ NW 15 Avenue looking West



NW 43 Street @ NW 14 Avenue looking West



ATTACHMENT A  
Corridor 3 : NW 43 Street from NW 14 Avenue to NW 21 Avenue



NW 43 Street @ NW 14 Avenue looking East

ATTACHMENT A  
Corridor 4 – NW 50 Street from NW 7 Avenue to NW 32 Avenue



NW 50 Street at NW 7 Avenue looking East



NW 50 Street at NW 7 Avenue looking West

ATTACHMENT A  
Corridor 4 – NW 50 Street from NW 7 Avenue to NW 32 Avenue



NW 50 Street at NW 10 Avenue looking West



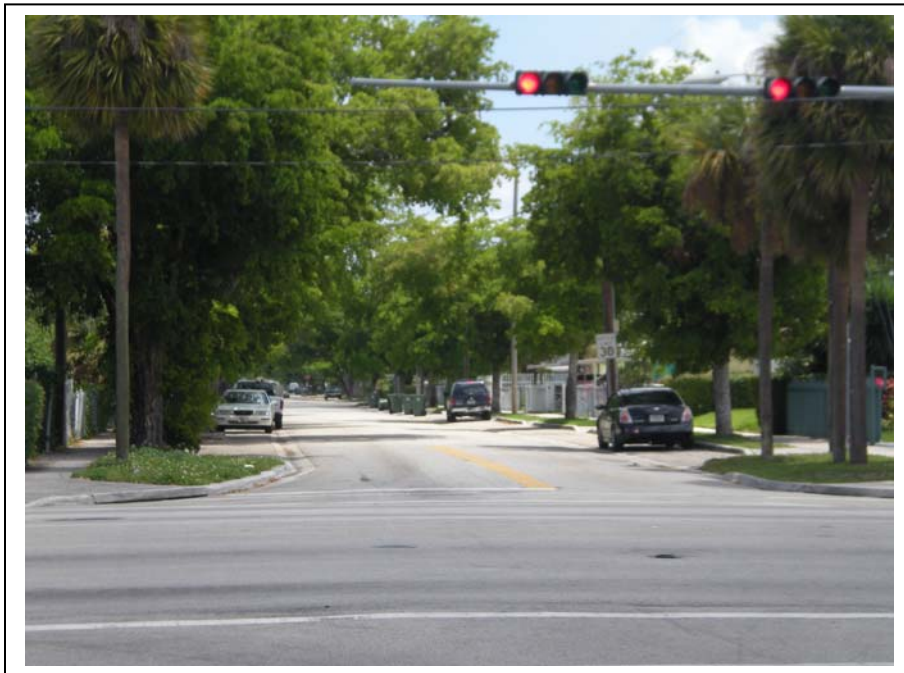
NW 50 Street at NW 10 Avenue looking East



ATTACHMENT A  
Corridor 4 – NW 50 Street from NW 7 Avenue to NW 32 Avenue



NW 50 Street at NW 12 Avenue looking West



NW 50 Street at NW 12 Avenue looking East

ATTACHMENT A  
Corridor 4 – NW 50 Street from NW 7 Avenue to NW 32 Avenue



NW 50 Street at NW 14 Avenue looking West

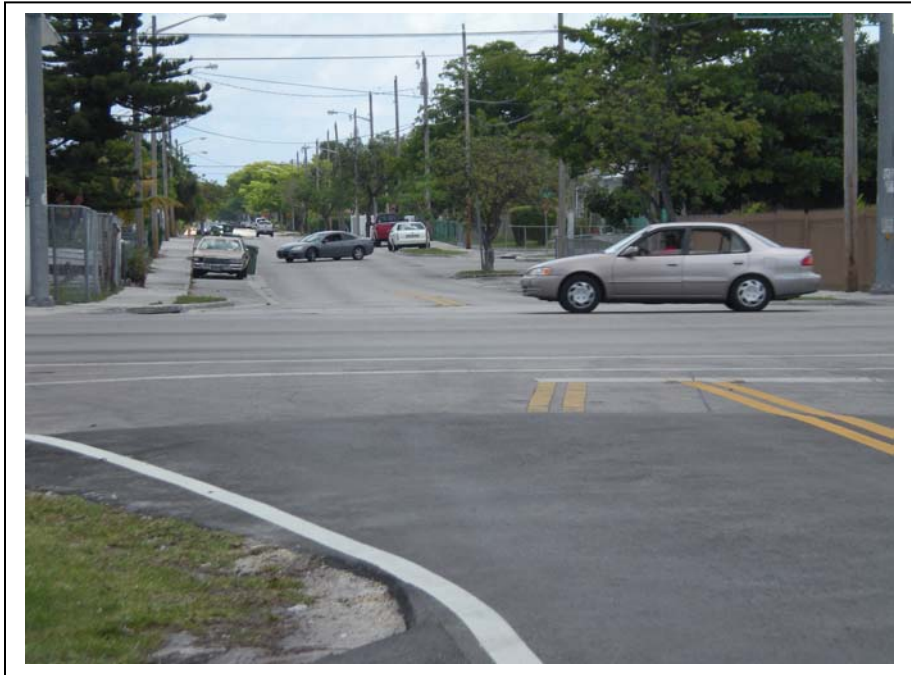


NW 50 Street at NW 14 Avenue looking East

ATTACHMENT A  
Corridor 4 – NW 50 Street from NW 7 Avenue to NW 32 Avenue



NW 50 Street at NW 17 Avenue looking West



NW 50 Street at NW 17 Avenue looking East



ATTACHMENT A  
Corridor 4 – NW 50 Street from NW 7 Avenue to NW 32 Avenue

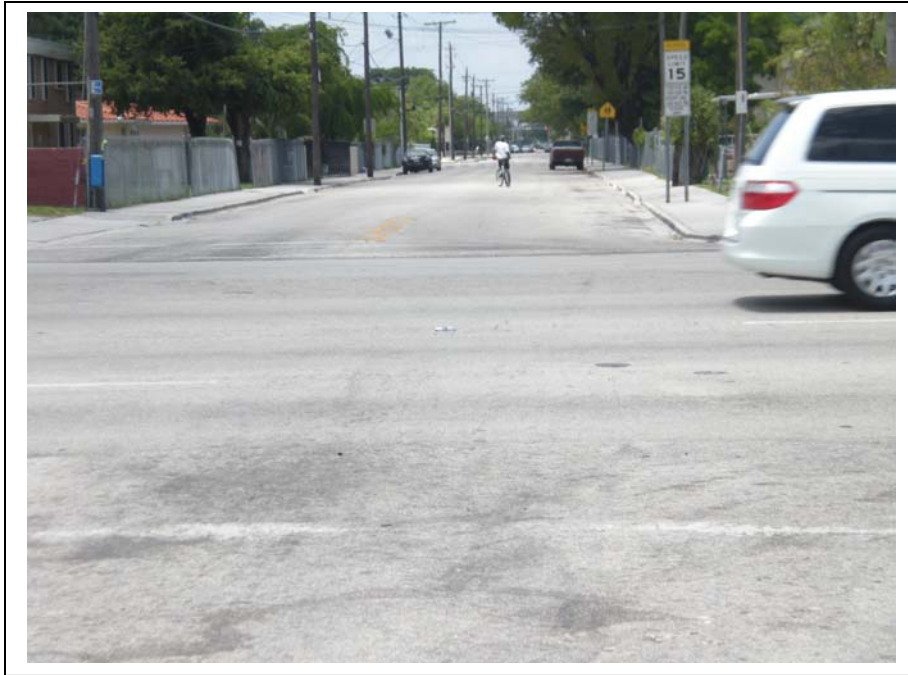


NW 50 Street at NW 19 Avenue looking West



NW 50 Street at NW 19 Avenue looking East

ATTACHMENT A  
Corridor 4 – NW 50 Street from NW 7 Avenue to NW 32 Avenue



NW 50 Street at NW 22 Avenue looking West



NW 50 Street at NW 22 Avenue looking East

ATTACHMENT A  
Corridor 4 – NW 50 Street from NW 7 Avenue to NW 32 Avenue



NW 50 Street at NW 24 Avenue looking West



NW 50 Street at NW 24 Avenue looking East

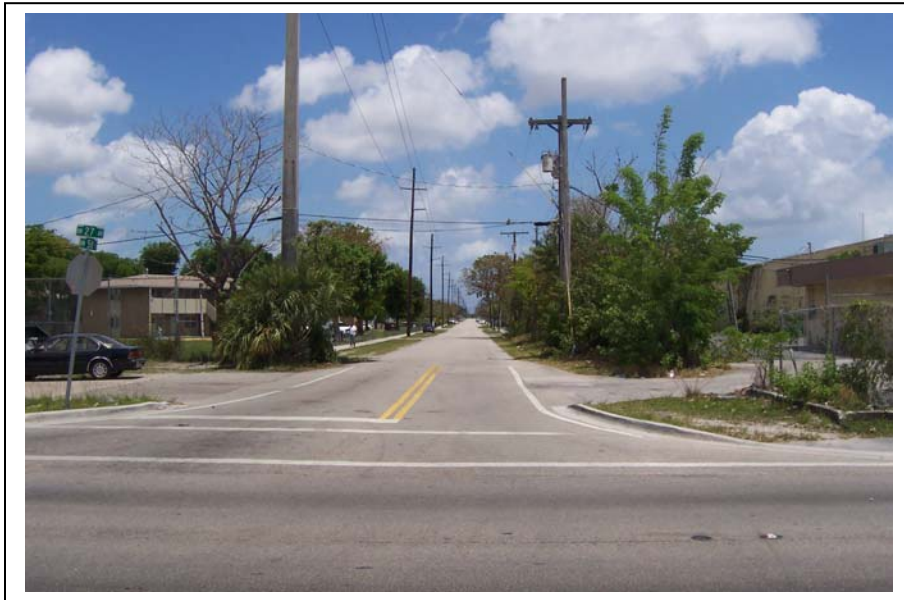


ATTACHMENT A  
Corridor 4 – NW 50 Street from NW 7 Avenue to NW 32 Avenue



NW 50 Street at NW 27 Avenue looking West

ATTACHMENT A  
Corridor 5 – NW 58 Street from NW 7 Avenue to NW 27 Avenue

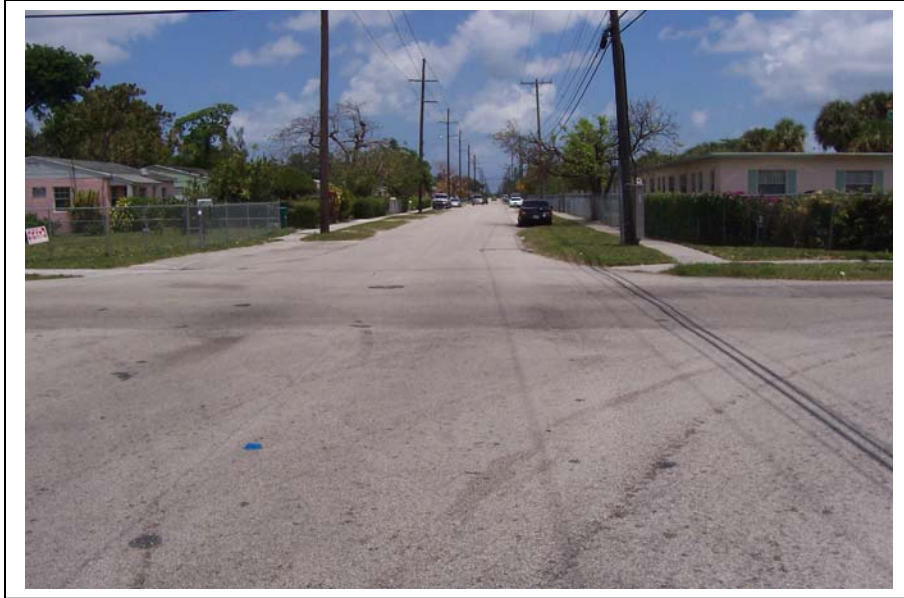


NW 58 Street from NW 27 Avenue looking East



NW 58 Street from NW 27 Avenue looking West

ATTACHMENT A  
Corridor 5 – NW 58 Street from NW 7 Avenue to NW 27 Avenue



NW 58 Street from NW 25 Avenue looking East



NW 58 Street from NW 25 Avenue looking West



ATTACHMENT A  
Corridor 5 – NW 58 Street from NW 7 Avenue to NW 27 Avenue

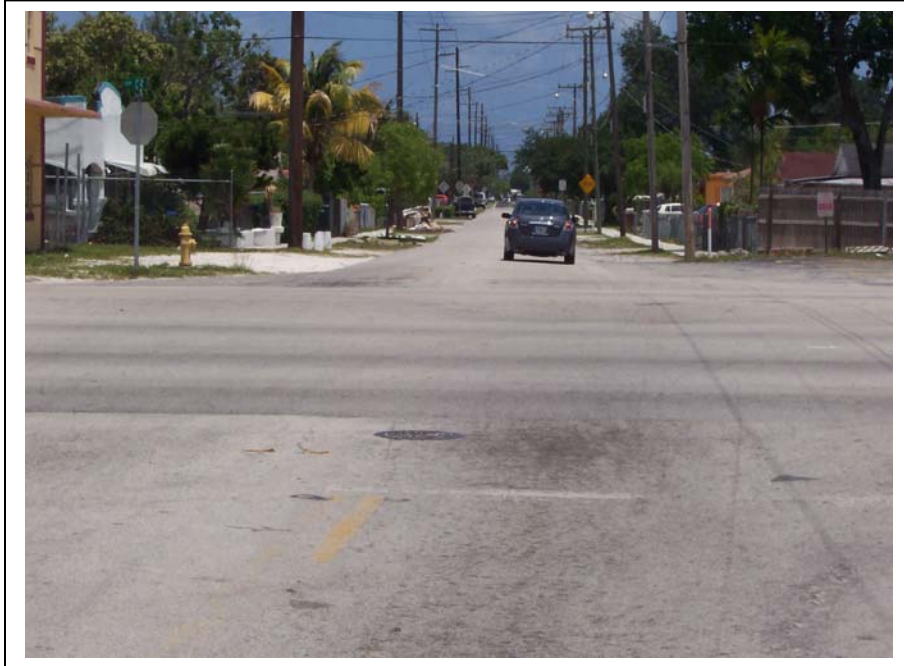


NW 58 Street from NW 23 Avenue looking East



NW 58 Street from NW 23 Avenue looking West

ATTACHMENT A  
Corridor 5 – NW 58 Street from NW 7 Avenue to NW 27 Avenue

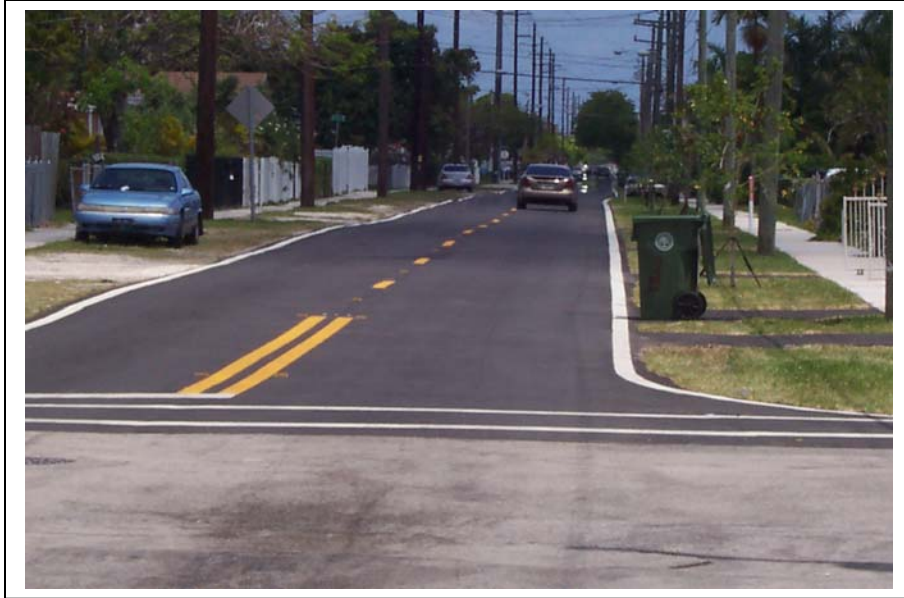


NW 58 Street from NW 19 Avenue looking East



NW 58 Street from NW 19 Avenue looking West

ATTACHMENT A  
Corridor 5 – NW 58 Street from NW 7 Avenue to NW 27 Avenue



NW 58 Street from NW 17 Avenue looking East



NW 58 Street from NW 17 Avenue looking West



ATTACHMENT A  
Corridor 5 – NW 58 Street from NW 7 Avenue to NW 27 Avenue



NW 58 Street from NW 15 Avenue looking East



NW 58 Street from NW 15 Avenue looking West

ATTACHMENT A  
Corridor 5 – NW 58 Street from NW 7 Avenue to NW 27 Avenue



NW 58 Street from NW 13 Avenue looking East



NW 58 Street from NW 13 Avenue looking West

ATTACHMENT A  
Corridor 6 – NW 67 Street from NW 7 Avenue to NW 27 Avenue



NW 67 Street from NW 7 Avenue looking East



NW 67 Street from NW 7 Avenue looking West



ATTACHMENT A  
Corridor 6 – NW 67 Street from NW 7 Avenue to NW 27 Avenue



NW 67 Street from NW 8 Avenue looking West



NW 67 Street from NW 8 Avenue looking East

ATTACHMENT A  
Corridor 6 – NW 67 Street from NW 7 Avenue to NW 27 Avenue



NW 67 Street from NW 10 Avenue looking East



NW 67 Street from NW 11 Avenue looking East

ATTACHMENT A  
Corridor 6 – NW 67 Street from NW 7 Avenue to NW 27 Avenue



NW 67 Street from NW 12 Avenue looking West



NW 67 Street from NW 12 Avenue looking East



ATTACHMENT A  
Corridor 6 – NW 67 Street from NW 7 Avenue to NW 27 Avenue



NW 67 Street from NW 13 Avenue looking East



NW 67 Street from NW 13 Pl. looking East

ATTACHMENT A  
Corridor 6 – NW 67 Street from NW 7 Avenue to NW 27 Avenue

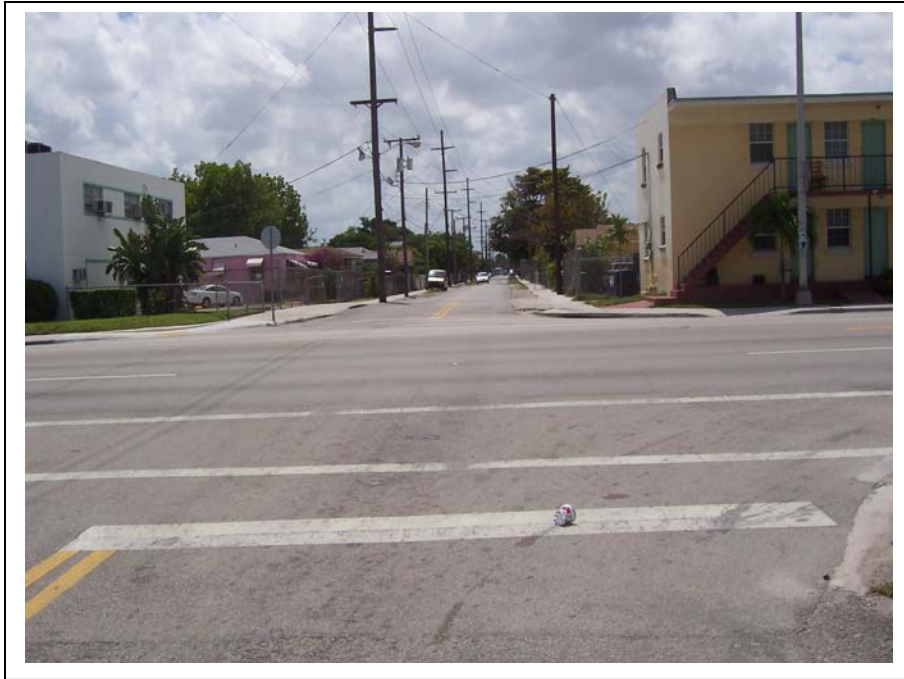


NW 67 Street from NW 14 Avenue looking West



NW 67 Street from NW 14 Avenue looking East

ATTACHMENT A  
Corridor 6 – NW 67 Street from NW 7 Avenue to NW 27 Avenue



NW 67 Street from NW 17 Avenue looking West



NW 67 Street from NW 17 Avenue looking East



ATTACHMENT A  
Corridor 6 – NW 67 Street from NW 7 Avenue to NW 27 Avenue

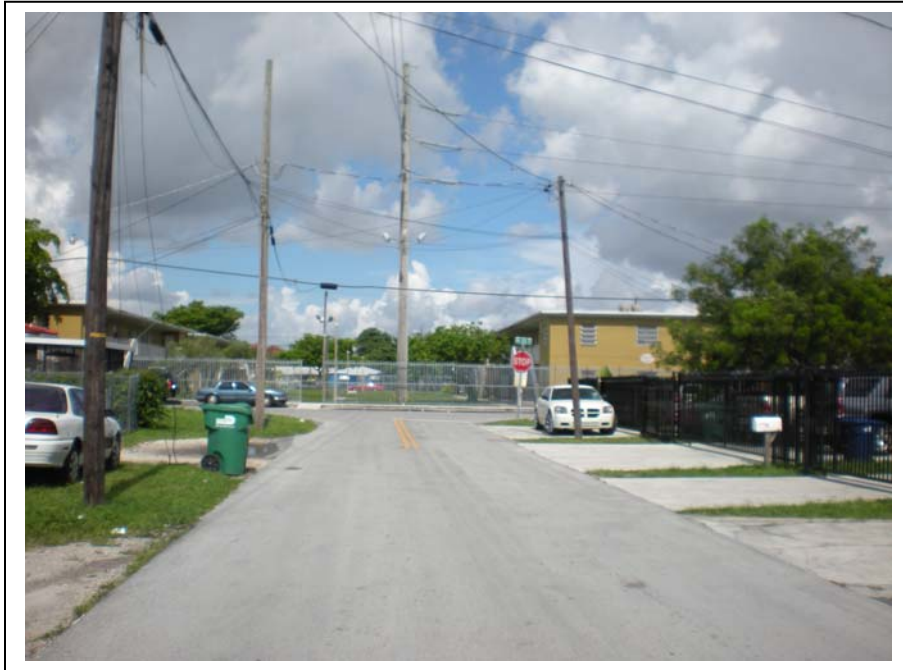


NW 67 Street from NW 19 Avenue looking West



NW 67 Street from NW 19 Avenue looking East

ATTACHMENT A  
Corridor 6 – NW 67 Street from NW 7 Avenue to NW 27 Avenue



NW 67 Street from NW 20 Avenue looking West



NW 67 Street from NW 20 Avenue looking east

ATTACHMENT A  
Corridor 6 – NW 67 Street from NW 7 Avenue to NW 27 Avenue



NW 66 Street from NW 22 Avenue



NW 23 Avenue from NW 66 Street



ATTACHMENT A  
Corridor 6 – NW 67 Street from NW 7 Avenue to NW 27 Avenue



NW 67 Street from NW 23 Avenue looking east



NW 67 Street from NW 23 Avenue looking West

ATTACHMENT A  
Corridor 6 – NW 67 Street from NW 7 Avenue to NW 27 Avenue



NW 67 Street from NW 24 Avenue looking east



NW 67 Street from NW 24 Avenue looking east

ATTACHMENT A  
Corridor 6 – NW 67 Street from NW 7 Avenue to NW 27 Avenue



NW 67 Street from NW 25 Avenue looking east



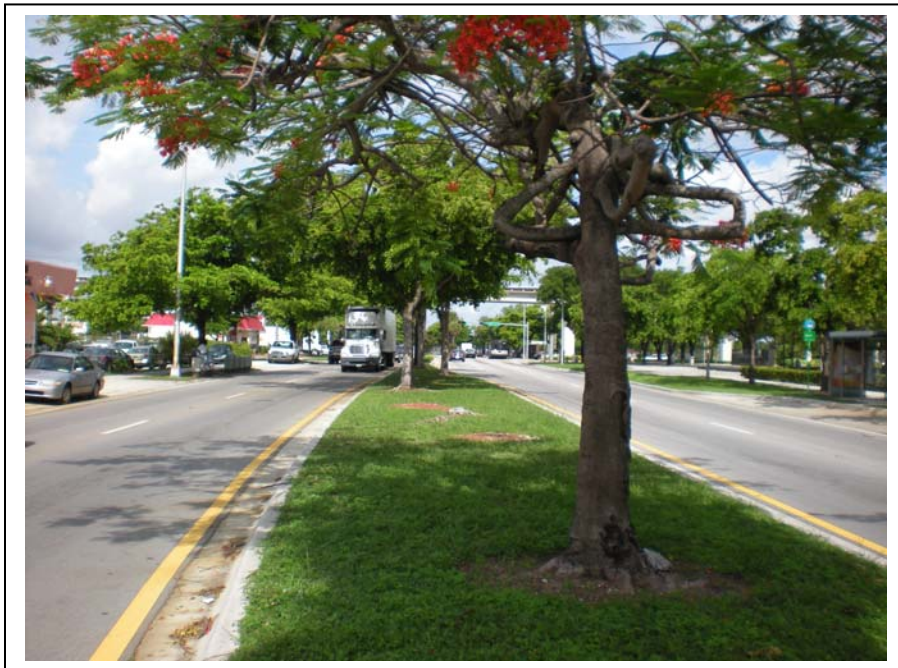
NW 25 Avenue at NW 67 Street



ATTACHMENT A  
Corridor 6 – NW 67 Street from NW 7 Avenue to NW 27 Avenue



NW 25 Avenue at NW 66 Street



MLK from NW 25 Avenue looking west

ATTACHMENT A  
Corridor 6 – NW 67 Street from NW 7 Avenue to NW 27 Avenue



MLK from NW 25 Avenue looking East

ATTACHMENT A  
Corridor 7 – NW 83 Street from NW 12 Avenue to NW 21 Avenue



NW 83 Street from NW 21 Avenue looking West



NW 83 Street from NW 21 Avenue looking East



ATTACHMENT A  
Corridor 7 – NW 83 Street from NW 12 Avenue to NW 21 Avenue



NW 83 Street from NW 19 Avenue looking West



NW 83 Street from NW 19 Avenue looking East

ATTACHMENT A  
Corridor 7 – NW 83 Street from NW 12 Avenue to NW 21 Avenue



NW 83 Street from NW 18 Avenue looking West



NW 83 Street from NW 18 Avenue looking East

ATTACHMENT A  
Corridor 7 – NW 83 Street from NW 12 Avenue to NW 21 Avenue



NW 83 Street from NW 17 Avenue looking West



NW 83 Street from NW 17 Avenue looking East



ATTACHMENT A  
Corridor 7 – NW 83 Street from NW 12 Avenue to NW 21 Avenue



NW 83 Street from NW 15 Avenue looking West



NW 83 Street from NW 14 Place looking West

ATTACHMENT A  
Corridor 7 – NW 83 Street from NW 12 Avenue to NW 21 Avenue



NW 83 Street from NW 14 Avenue looking West

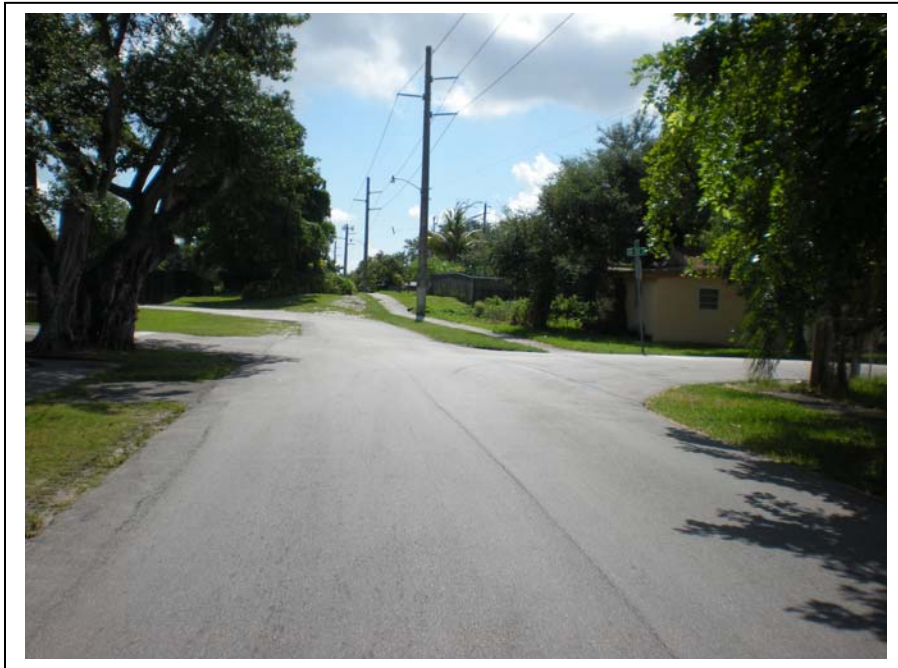


NW 83 Street from NW 14 Avenue looking East

ATTACHMENT A  
Corridor 7 – NW 83 Street from NW 12 Avenue to NW 21 Avenue



NW 83 Street from NW 13 Avenue looking West



NW 83 Street from NW 13 Avenue looking East



ATTACHMENT A  
Corridor 7 – NW 83 Street from NW 12 Avenue to NW 21 Avenue



NW 83 Street and Park Entrance looking North

## ATTACHMENT A

Corridor 8 – NW 11 Avenue from NW 50 Street to NW 67 Street



NW 11<sup>th</sup> Avenue at Crestwood Park just south of NW 50<sup>th</sup> Street



NW 11<sup>th</sup> Avenue at NW 50<sup>th</sup> Street looking North

## ATTACHMENT A

Corridor 8 – NW 11 Avenue from NW 50 Street to NW 67 Street



NW 11<sup>th</sup> Avenue at NW 51 Street looking North



NW 11<sup>th</sup> Avenue at NW 52 Street looking South



## ATTACHMENT A

Corridor 8 – NW 11 Avenue from NW 50 Street to NW 67 Street



NW 11<sup>th</sup> Avenue at NW 53 Street looking North



NW 11<sup>th</sup> Avenue at NW 54 Street looking Northwest

## ATTACHMENT A

Corridor 8 – NW 11 Avenue from NW 50 Street to NW 67 Street



NW 11<sup>th</sup> Avenue at NW 58 Street looking South



NW 11<sup>th</sup> Avenue at NW 62 Street looking South

## ATTACHMENT A

Corridor 8 – NW 11 Avenue from NW 50 Street to NW 67 Street



NW 11<sup>th</sup> Avenue at NW 64 Street looking South



NW 11<sup>th</sup> Avenue at NW 65 Street looking South