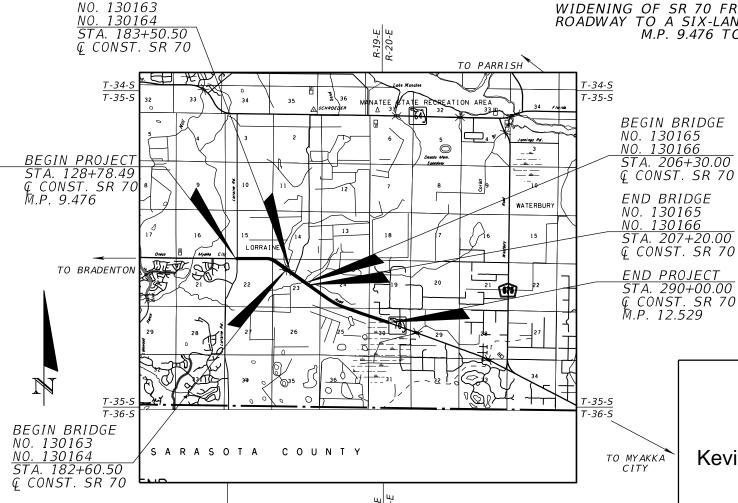
# STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION

# TYPICAL SECTION PACKAGE

FINANCIAL PROJECT ID 414506-7-52-01

MANATEE COUNTY (13160) STATE ROAD NO. 70 (ONECO MYAKKA CITY ROAD)

WIDENING OF SR 70 FROM A TWO-LANE RURAL ROADWAY TO A SIX-LANE SUBURBAN ROADWAY M.P. 9.476 TO M.P. 12.529

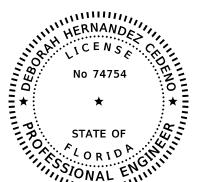


TO SARASOTA SPRINGS

END BRIDGE

APPROVED BY:

THIS DOCUMENT HAS BEEN DIGITALLY SIGNED AND SEALED BY



ON THE DAY ADJACENT TO THE SEAL

PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED. THE SIGNATURE MUST BE VERIFIED ON THE ELECTRONIC COPIES.

Kisinger Campo & Associates Corp. 201 N. Franklin Street, Suite 400 Tampa, Florida 33602 Florida Certificate of Authorization No. 02317 Engineer of Record: Deborah Hernandez Cedeno, P.E.

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.004, F.A.C.

# TYPICAL SECTION PACKAGE

SHEET NO.	SHEET DESCRIPTION
1	COVER SHEET
2	TYPICAL SECTION NO. 1
3	TYPICAL SECTION NO. 2
4	TYPICAL SECTION NO. 3
5	TYPICAL SECTION NO. 4
6	TYPICAL SECTION NO. 5
7	TYPICAL SECTION NO. 6
8	TYPICAL SECTION NO. 7
9	TYPICAL SECTION NO. 8
10	TYPICAL SECTION NO. 9

#### TYPICAL SECTION CONCURRENCE



FDOT DISTRICT DESIGN ENGINEER

FHWA TRANSPORTATION ENGINEER

DESIGN SPEED AND POSTED SPEED CONCURRENCE:

Mark

Date: 2022.05.

20 09:52:53 -Mathes

FDOT DISTRICT TRAFFIC OPERATIONS **ENGINEER** 



FDOT DISTRICT DESIGN ENGINEER

# CONTEXT CLASSIFICATION CONCURRENCE:

US O = FLORIDA

Micde Wide DEPARTMENT OF

TRANSPORTATION 2022.05.19 16:57:30 -04'00'

CN = Nicole E Mills C =

Nicole E Mills

FDOT DISTRICT INTERMODAL SYSTEMS DEVELOPMENT MANAGER

#### CONTEXT CLASSIFICATION

- () C1: NATURAL
- () C3C: SUBURBAN COMM.
- () C2: RURAL
- () C4: URBAN GENERAL

- C2T : RURAL TOWN
- () C5: URBAN CENTER
- (X) C3R: SUBURBAN RES. () C6: URBAN CORE () N/A: L.A. FACILITY

# FUNCTIONAL CLASSIFICATION

- () INTERSTATE
- () MAJOR COLLECTOR
- FREEWAY/EXPWY.
- ( ) MINOR COLLECTOR
- PRINCIPAL ARTERIAL
- () LOCAL
- () MINOR ARTERIAL

#### HIGHWAY SYSTEM

- NATIONAL HIGHWAY SYSTEM
- STRATEGIC INTERMODAL SYSTEM
- STATE HIGHWAY SYSTEM
- OFF-STATE HIGHWAY SYSTEM

#### ACCESS CLASSIFICATION

- () 1 FREEWAY
- () 2 RESTRICTIVE w/Service Roads
- (X) 3 RESTRICTIVE w/660 ft. Connection Spacing
- () 4 NON-RESTRICTIVE w/2640 ft. Signal Spacing
- () 5 RESTRICTIVE w/440 ft. Connection Spacing
- () 6 NON-RESTRICTIVE w/1320 ft. Signal Spacing
- () 7 BOTH MEDIAN TYPES

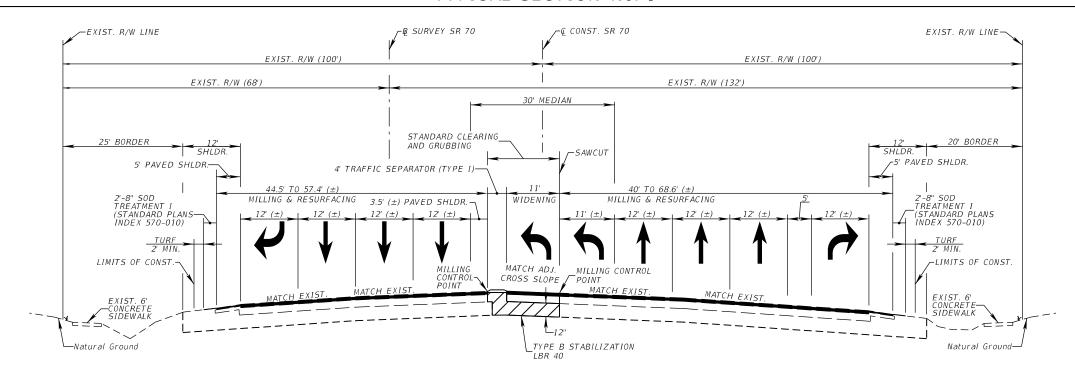
#### CRITERIA

- () NEW CONSTRUCTION / RECONSTRUCTION
- RESURFACING (LA FACILITIES)
- (X) RRR (ARTERIALS & COLLECTORS)

### POTENTIAL EXCEPTIONS AND VARIATIONS RELATED TO TYPICAL SECTION:

N/A

# TYPICAL SECTION No. 1



# TYPICAL SECTION SR 70

N.T.S.

*Q CONST. SR 70* STA. 119+39.00 TO STA. 123+23.00

# TRAFFIC DATA

CURRENT YEAR = 2018 AADT = 15,500ESTIMATED OPENING YEAR = 2025 AADT = 33,000 ESTIMATED DESIGN YEAR = 2045 AADT = 57,000 K = 9.5% D = 60.5% T = 14.2% (24 HOUR) DESIGN HOUR T = 7.1%DESIGN SPEED = 45 MPH

SHEET NO. FINANCIAL PROJECT ID 414506-7-52-01

#### CONTEXT CLASSIFICATION

- () C1: NATURAL () C3C: SUBURBAN COMM.
- () C2: RURAL () C4: URBAN GENERAL
- () C2T: RURAL TOWN () C5: URBAN CENTER
- (X) C3R: SUBURBAN RES. () C6: URBAN CORE
- ( ) N/A : L.A. FACILITY

#### FUNCTIONAL CLASSIFICATION

- () INTERSTATE () MA
- ( ) MAJOR COLLECTOR
- () FREEWAY/EXPWY. () MINOR COLLECTOR
- (X) PRINCIPAL ARTERIAL () LOCAL
- () MINOR ARTERIAL

#### HIGHWAY SYSTEM

- (X) NATIONAL HIGHWAY SYSTEM
- (X) STRATEGIC INTERMODAL SYSTEM
- (X) STATE HIGHWAY SYSTEM
- () OFF-STATE HIGHWAY SYSTEM

#### ACCESS CLASSIFICATION

- () 1 FREEWAY
- () 2 RESTRICTIVE w/Service Roads
- (X) 3 RESTRICTIVE w/660 ft. Connection Spacing
- () 4 NON-RESTRICTIVE w/2640 ft. Signal Spacing
- () 5 RESTRICTIVE w/440 ft. Connection Spacing
- () 6 NON-RESTRICTIVE w/1320 ft. Signal Spacing
- () 7 BOTH MEDIAN TYPES

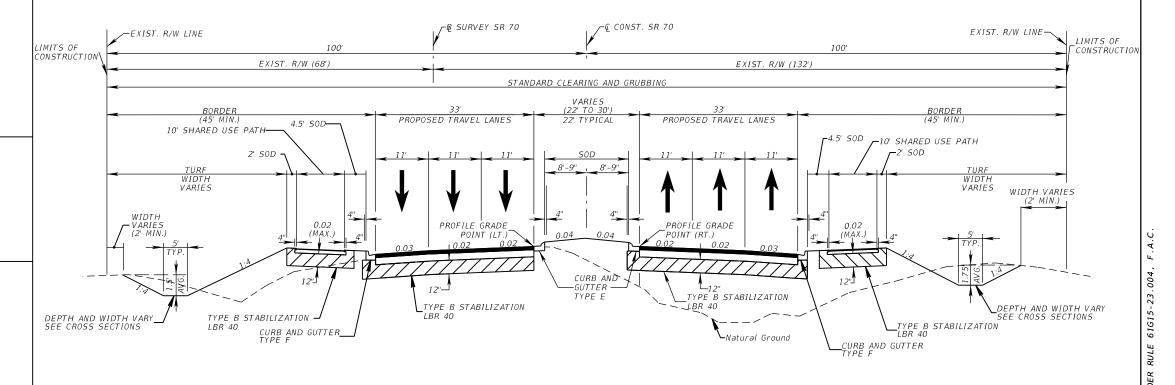
# CRITERIA

- (X) NEW CONSTRUCTION / RECONSTRUCTION
- ( ) RESURFACING (LA FACILITIES)
- () RRR (ARTERIALS & COLLECTORS)

# POTENTIAL EXCEPTIONS AND VARIATIONS RELATED TO TYPICAL SECTION:

- 1. CLEAR ZONE (ROADSIDE SLOPE)
- 2. TRAFFIC SEPARATOR WIDTH
- 3. SHARED USE PATH (SEPARATION FROM ROADWAY)

# TYPICAL SECTION No. 2



# TYPICAL SECTION SR 70

N.T.S.

Q CONST. SR 70 STA. 128+23.00 TO STA. 170+40.40

#### TRAFFIC DATA

CURRENT YEAR = 2018 AADT = 15,500ESTIMATED OPENING YEAR = 2025 AADT = 26,000ESTIMATED DESIGN YEAR = 2045 AADT = 49,000 K = 9.5% D = 60.5% T = 14.2% (24 HOUR)DESIGN HOUR T = 7.1%DESIGN SPEED = 45 MPH

FINANCIAL PROJECT ID SHEET NO. 414506-7-52-01 3

#### CONTEXT CLASSIFICATION

- () C1: NATURAL () C3C: SUBURBAN COMM. () C2: RURAL () C4: URBAN GENERAL
- () C2T: RURAL TOWN () C5: URBAN CENTER
- (X) C3R: SUBURBAN RES. () C6: URBAN CORE

  () N/A: L.A. FACILITY

#### FUNCTIONAL CLASSIFICATION

- () INTERSTATE () MAJOR COLLECTOR
  () FREEWAY/EXPWY. () MINOR COLLECTOR
- (X) PRINCIPAL ARTERIAL () LOCAL
- () MINOR ARTERIAL

#### HIGHWAY SYSTEM

- (X) NATIONAL HIGHWAY SYSTEM
- (X) STRATEGIC INTERMODAL SYSTEM
- (X) STATE HIGHWAY SYSTEM
- () OFF-STATE HIGHWAY SYSTEM

#### ACCESS CLASSIFICATION

- () 1 FREEWAY
- () 2 RESTRICTIVE w/Service Roads
- (X) 3 RESTRICTIVE w/660 ft. Connection Spacing
- () 4 NON-RESTRICTIVE w/2640 ft. Signal Spacing
- () 5 RESTRICTIVE w/440 ft. Connection Spacing
- () 6 NON-RESTRICTIVE w/1320 ft. Signal Spacing
- () 7 BOTH MEDIAN TYPES

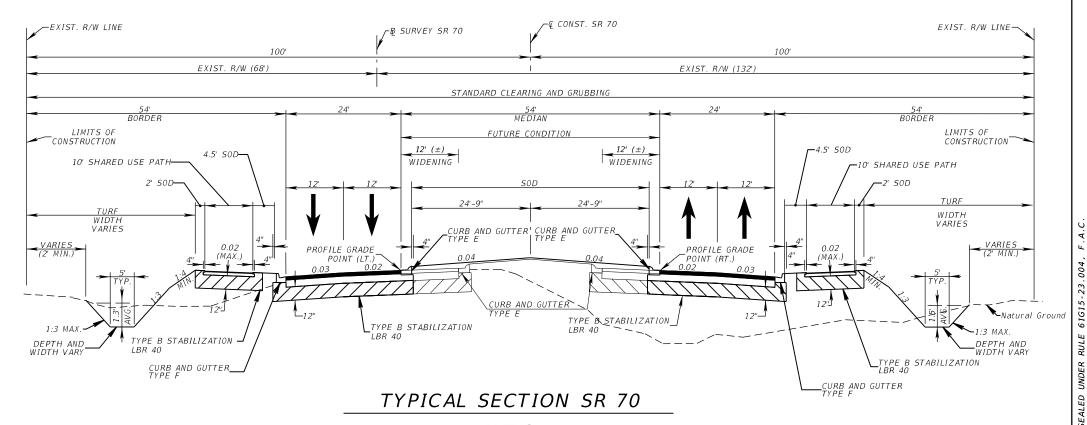
#### CRITERIA

- (X) NEW CONSTRUCTION / RECONSTRUCTION
- ( ) RESURFACING (LA FACILITIES)
- () RRR (ARTERIALS & COLLECTORS)

# POTENTIAL EXCEPTIONS AND VARIATIONS RELATED TO TYPICAL SECTION:

- 1. CLEAR ZONE (ROADSIDE SLOPE)
- 2. SHARED USE PATH (SEPARATION FROM ROADWAY)

# TYPICAL SECTION No. 3



# N.T.S.

Q CONST. SR 70 STA. 170+40.40 TO STA. 182+60.50

STA. 183+50.50 TO STA. 197+70.94

STA. 199+73.40 TO STA. 206+30.00

STA. 207+20.00 TO STA. 243+71.78 STA. 245+63.53 TO STA. 277+41.71

## TRAFFIC DATA

CURRENT YEAR = 2018 AADT = 15,500ESTIMATED OPENING YEAR = 2025 AADT = 20,000ESTIMATED DESIGN YEAR = 2045 AADT = 34,000 K = 9.5% D = 60.5% T = 14.2% (24 HOUR)DESIGN HOUR T = 7.1%DESIGN SPEED = 45 MPH

FINANCIAL PROJECT ID SHEET NO. 414506-7-52-01 4

## CONTEXT CLASSIFICATION

- () C1: NATURAL () C3C: SUBURBAN COMM.
- () C2: RURAL () C4: URBAN GENERAL
- () C2T: RURAL TOWN () C5: URBAN CENTER
- (X) C3R: SUBURBAN RES. () C6: URBAN CORE
- ( ) N/A : L.A. FACILITY

#### FUNCTIONAL CLASSIFICATION

- () INTERSTATE
- () MAJOR COLLECTOR
- () FREEWAY/EXPWY. () MINOR COLLECTOR
- (X) PRINCIPAL ARTERIAL () LOCAL
- () MINOR ARTERIAL

#### HIGHWAY SYSTEM

- (X) NATIONAL HIGHWAY SYSTEM
- (X) STRATEGIC INTERMODAL SYSTEM
- (X) STATE HIGHWAY SYSTEM
- () OFF-STATE HIGHWAY SYSTEM

#### ACCESS CLASSIFICATION

- () 1 FREEWAY
- () 2 RESTRICTIVE w/Service Roads
- (X) 3 RESTRICTIVE w/660 ft. Connection Spacing
- () 4 NON-RESTRICTIVE w/2640 ft. Signal Spacing
- () 5 RESTRICTIVE w/440 ft. Connection Spacing
- () 6 NON-RESTRICTIVE w/1320 ft. Signal Spacing
- () 7 BOTH MEDIAN TYPES

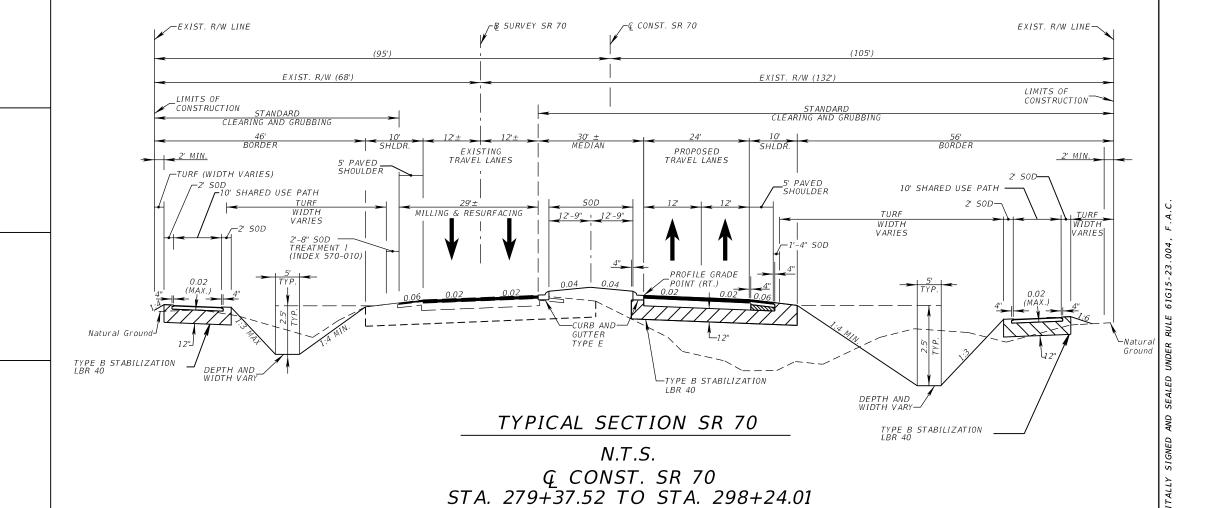
#### CRITERIA

- (X) NEW CONSTRUCTION / RECONSTRUCTION
- ( ) RESURFACING (LA FACILITIES)
- () RRR (ARTERIALS & COLLECTORS)

# POTENTIAL EXCEPTIONS AND VARIATIONS RELATED TO TYPICAL SECTION:

1. CLEAR ZONE (ROADSIDE SLOPE)

# TYPICAL SECTION No. 4



TRAFFIC DATA

CURRENT YEAR = 2018 AADT = 10,000ESTIMATED OPENING YEAR = 2025 AADT = 15,000ESTIMATED DESIGN YEAR = 2045 AADT = 19,000K = 12.8% D = 55.9% T = 6.5 % (24 HOUR) DESIGN HOUR T = 3.25%DESIGN SPEED = 45 MPH

FINANCIAL PROJECT ID SHEET NO.
414506-7-52-01 5

#### CONTEXT CLASSIFICATION

- () C1: NATURAL
- () C3C: SUBURBAN COMM.
- () C2: RURAL
- () C4: URBAN GENERAL

- C2T : RURAL TOWN
- () C5: URBAN CENTER
- (X) C3R: SUBURBAN RES. () C6: URBAN CORE
- () N/A: L.A. FACILITY

#### FUNCTIONAL CLASSIFICATION

- () INTERSTATE
- () MAJOR COLLECTOR
- () FREEWAY/EXPWY.
- () MINOR COLLECTOR
- PRINCIPAL ARTERIAL
- () LOCAL
- () MINOR ARTERIAL

#### HIGHWAY SYSTEM

- NATIONAL HIGHWAY SYSTEM
- STRATEGIC INTERMODAL SYSTEM
- STATE HIGHWAY SYSTEM
- OFF-STATE HIGHWAY SYSTEM

## ACCESS CLASSIFICATION

- () 1 FREEWAY
- () 2 RESTRICTIVE w/Service Roads
- (X) 3 RESTRICTIVE w/660 ft. Connection Spacing
- () 4 NON-RESTRICTIVE w/2640 ft. Signal Spacing
- () 5 RESTRICTIVE w/440 ft. Connection Spacing
- () 6 NON-RESTRICTIVE w/1320 ft. Signal Spacing
- () 7 BOTH MEDIAN TYPES

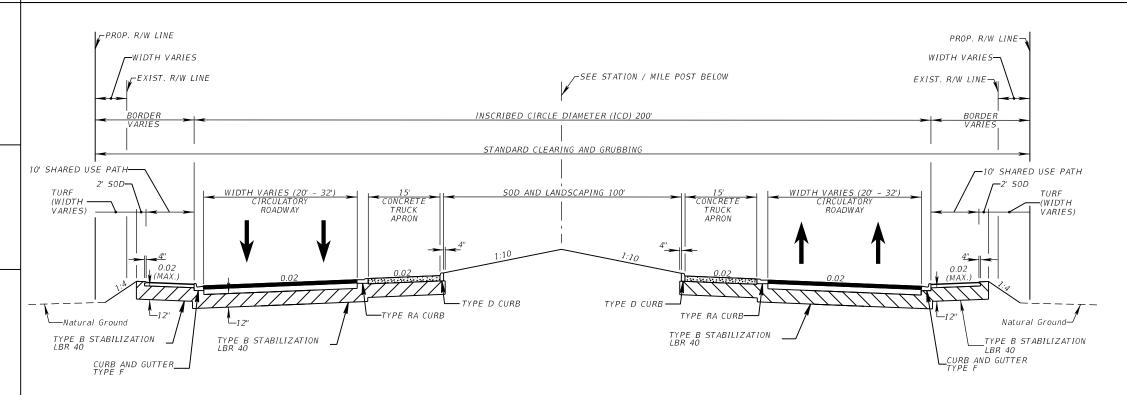
#### CRITERIA

- (X) NEW CONSTRUCTION / RECONSTRUCTION
- () RESURFACING (LA FACILITIES)
- () RRR (ARTERIALS & COLLECTORS)

#### POTENTIAL EXCEPTIONS AND VARIATIONS RELATED TO TYPICAL SECTION:

- 1. SHARED USE PATH (HORIZONTAL CLEARANCE)
- 2. SHARED USE PATH (SEPARATION FROM ROADWAY)

#### TYPICAL SECTION No. 5



# TYPICAL SECTION SR 70 N.T.S.

Q CONST. SR 70

STA. 197+70.94 TO STA. 199+73.40 (STĀ. 198+75.17/ M.P. 10.824 = Q OF CONST. UIHLEIN RD.) STA. 243+71.78 TO STA. 245+63.53 (STA. 244+64.97/ M.P. 11.693 = Q OF CONST. DEL WEBB BLVD.) STA. 277+41.71 TO STA. 279+37.52 (STA. 278+43.79/ M.P. 12.332 = Q OF CONST. BOURNESIDE BLVD.)

#### TRAFFIC DATA

= 2018 AADT = 15,500ESTIMATED OPENING YEAR = 2025 AADT = 20,000 ESTIMATED DESIGN YEAR = 2045 AADT = 34,000 K = 9.5% D = 60.5% T = 14.2% (24 HOUR) DESIGN HOUR T = 7.1%DESIGN SPEED = 25 MPH

FINANCIAL PROJECT ID 414506-7-52-01

# CONTEXT CLASSIFICATION

- () C1: NATURAL () C3C: SUBURBAN COMM. () C2: RURAL () C4: URBAN GENERAL
- () C2T: RURAL TOWN () C5: URBAN CENTER
  (X) C3R: SUBURBAN RES. () C6: URBAN CORE
- ( ) N/A : L.A. FACILITY

#### FUNCTIONAL CLASSIFICATION

- () INTERSTATE () MAJOR COLLECTOR
- () FREEWAY/EXPWY. () MINOR COLLECTOR
- (X) PRINCIPAL ARTERIAL () LOCAL
- () MINOR ARTERIAL

# HIGHWAY SYSTEM

- (X) NATIONAL HIGHWAY SYSTEM
- (X) STRATEGIC INTERMODAL SYSTEM
- (X) STATE HIGHWAY SYSTEM
- () OFF-STATE HIGHWAY SYSTEM

#### ACCESS CLASSIFICATION

- () 1 FREEWAY
- () 2 RESTRICTIVE w/Service Roads
- (X) 3 RESTRICTIVE w/660 ft. Connection Spacing
- () 4 NON-RESTRICTIVE w/2640 ft. Signal Spacing
- () 5 RESTRICTIVE w/440 ft. Connection Spacing
- () 6 NON-RESTRICTIVE w/1320 ft. Signal Spacing
- () 7 BOTH MEDIAN TYPES

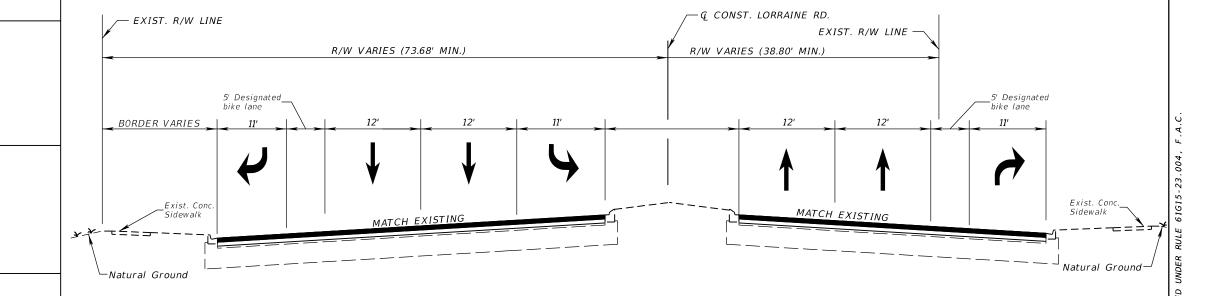
#### CRITERIA

- () NEW CONSTRUCTION / RECONSTRUCTION
- ( ) RESURFACING (LA FACILITIES)
- (X) RRR (ARTERIALS & COLLECTORS)

# POTENTIAL EXCEPTIONS AND VARIATIONS RELATED TO TYPICAL SECTION:

N/A

# TYPICAL SECTION No. 6



TYPICAL SECTION LORRAINE ROAD

N.T.S.

#### TRAFFIC DATA

CURRENT YEAR = 2018 AADT = 7,600ESTIMATED OPENING YEAR = 2025 AADT = 9,200ESTIMATED DESIGN YEAR = 2045 AADT = 15,000 K = 9% D = 57.3% T  $= 5.9\_\%$  (24 HOUR) DESIGN HOUR T = 3.25%DESIGN SPEED = 50 MPH

FINANCIAL PROJECT ID SHEET NO. 414506-7-52-01 7

# CONTEXT CLASSIFICATION

- () C1: NATURAL () C3C: SUBURBAN COMM. () C2: RURAL () C4: URBAN GENERAL () C5: URBAN CENTER C2T : RURAL TOWN
- (X) C3R: SUBURBAN RES. () C6: URBAN CORE
- ( ) N/A : L.A. FACILITY

#### FUNCTIONAL CLASSIFICATION

- () INTERSTATE () MAJOR COLLECTOR ( ) MINOR COLLECTOR FREEWAY/EXPWY.
- PRINCIPAL ARTERIAL () LOCAL
- () MINOR ARTERIAL

#### HIGHWAY SYSTEM

- NATIONAL HIGHWAY SYSTEM
- STRATEGIC INTERMODAL SYSTEM
- STATE HIGHWAY SYSTEM
- OFF-STATE HIGHWAY SYSTEM

#### ACCESS CLASSIFICATION

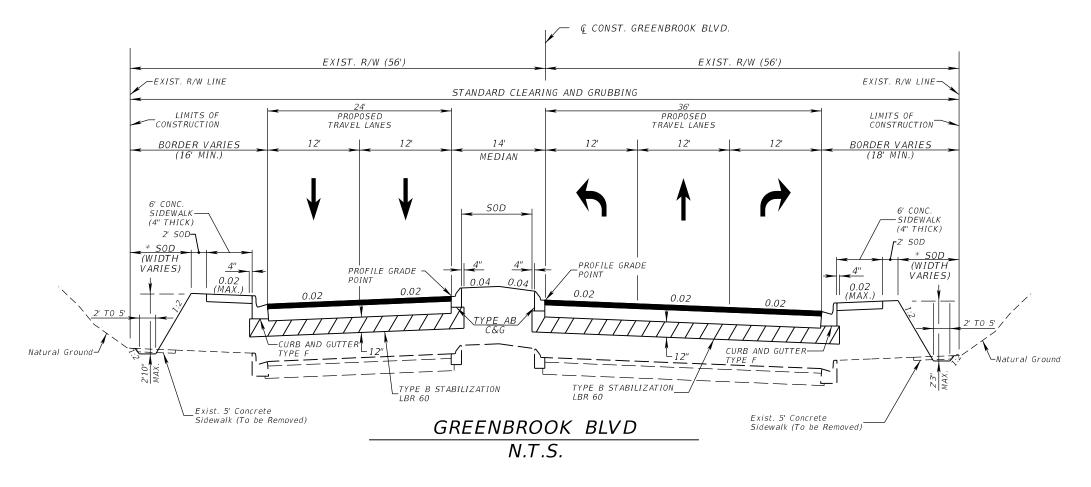
- () 1 FREEWAY
- () 2 RESTRICTIVE w/Service Roads
- (X) 3 RESTRICTIVE w/660 ft. Connection Spacing
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- () 5 RESTRICTIVE w/440 ft. Connection Spacing
- () 6 NON-RESTRICTIVE w/1320 ft. Signal Spacing
- () 7 BOTH MEDIAN TYPES

#### CRITERIA

- (X) NEW CONSTRUCTION / RECONSTRUCTION
- RESURFACING (LA FACILITIES)
- () RRR (ARTERIALS & COLLECTORS)

### POTENTIAL EXCEPTIONS AND VARIATIONS RELATED TO TYPICAL SECTION:

N/A



G CONST. GREENBROOK BLVD. STA. 2002+57.00 TO STA. 2005+60.66

#### TRAFFIC DATA

CURRENT YEAR = 2018 AADT = N/AESTIMATED OPENING YEAR = 2025 AADT = 7,000 ESTIMATED DESIGN YEAR = 2045 AADT = 16,000 K = N/A  $D = N/A_T$   $T = N/A_T$  (24 HOUR) DESIGN HOUR T = N/ADESIGN SPEED = 35 MPH (ASSUMED)

SHEET NO. FINANCIAL PROJECT ID 414506-7-52-01

# CONTEXT CLASSIFICATION

- () C1: NATURAL () C3C: SUBURBAN COMM.
- () C2: RURAL () C4: URBAN GENERAL
- () C5: URBAN CENTER C2T : RURAL TOWN
- (X) C3R: SUBURBAN RES. () C6: URBAN CORE
- ( ) N/A : L.A. FACILITY

#### FUNCTIONAL CLASSIFICATION

- () INTERSTATE () MAJOR COLLECTOR
- () MINOR COLLECTOR FREEWAY/EXPWY.
- PRINCIPAL ARTERIAL () LOCAL
- () MINOR ARTERIAL

#### HIGHWAY SYSTEM

- NATIONAL HIGHWAY SYSTEM
- STRATEGIC INTERMODAL SYSTEM
- STATE HIGHWAY SYSTEM
- OFF-STATE HIGHWAY SYSTEM

#### ACCESS CLASSIFICATION

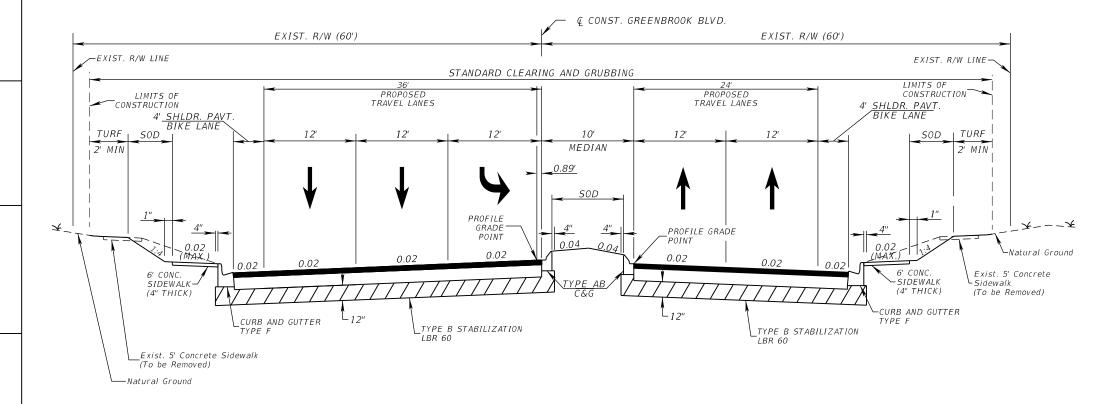
- () 1 FREEWAY
- () 2 RESTRICTIVE w/Service Roads
- (X) 3 RESTRICTIVE w/660 ft. Connection Spacing
- () 4 NON-RESTRICTIVE w/2640 ft. Signal Spacing
- () 5 RESTRICTIVE w/440 ft. Connection Spacing
- () 6 NON-RESTRICTIVE w/1320 ft. Signal Spacing
- () 7 BOTH MEDIAN TYPES

#### CRITERIA

- (X) NEW CONSTRUCTION / RECONSTRUCTION
- RESURFACING (LA FACILITIES)
- () RRR (ARTERIALS & COLLECTORS)

### POTENTIAL EXCEPTIONS AND VARIATIONS RELATED TO TYPICAL SECTION:

N/A



POST BLVD N.T.S.

G CONST. GREENBROOK BLVD. STA. 2006+92.66 TO STA. 2011+10.00

#### TRAFFIC DATA

CURRENT YEAR = 2018 AADT = N/AESTIMATED OPENING YEAR = 2025 AADT = 5,400 ESTIMATED DESIGN YEAR = 2045 AADT = 14,000 K = N/A  $D = N/A_T$   $T = N/A_T$  (24 HOUR) DESIGN HOUR T = N/ADESIGN SPEED = 35 MPH (ASSUMED)

SHEET NO. FINANCIAL PROJECT ID 414506-7-52-01

## CONTEXT CLASSIFICATION

- () C1: NATURAL () C3C: SUBURBAN COMM. () C2: RURAL () C4: URBAN GENERAL
- () C5: URBAN CENTER C2T : RURAL TOWN (X) C3R : SUBURBAN RES. () C6: URBAN CORE
- () N/A: L.A. FACILITY

# FUNCTIONAL CLASSIFICATION

- () INTERSTATE () MAJOR COLLECTOR ( ) MINOR COLLECTOR FREEWAY/EXPWY.
- PRINCIPAL ARTERIAL () LOCAL
- () MINOR ARTERIAL

#### HIGHWAY SYSTEM

- NATIONAL HIGHWAY SYSTEM
- STRATEGIC INTERMODAL SYSTEM
- STATE HIGHWAY SYSTEM
- OFF-STATE HIGHWAY SYSTEM

#### ACCESS CLASSIFICATION

- () 1 FREEWAY
- () 2 RESTRICTIVE w/Service Roads
- (X) 3 RESTRICTIVE w/660 ft. Connection Spacing
- () 4 NON-RESTRICTIVE w/2640 ft. Signal Spacing
- () 5 RESTRICTIVE w/440 ft. Connection Spacing
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- () 7 BOTH MEDIAN TYPES

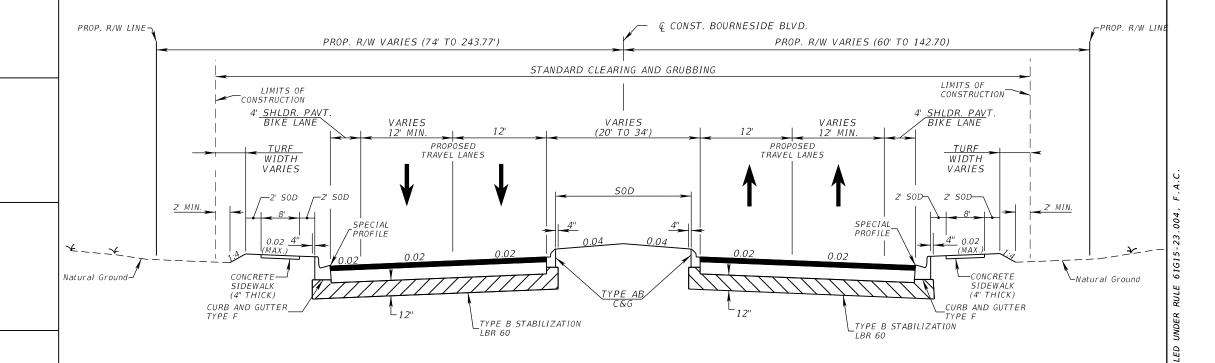
#### CRITERIA

- (X) NEW CONSTRUCTION / RECONSTRUCTION
- RESURFACING (LA FACILITIES)
- () RRR (ARTERIALS & COLLECTORS)

### POTENTIAL EXCEPTIONS AND VARIATIONS RELATED TO TYPICAL SECTION:

N/A

# TYPICAL SECTION No. 9



BOURNESIDE BLVD. N.T.S.

**Q** CONST. BOURNESIDE BLVD. STA. 7000+47.41 TO STA. 7002+60.25 STA, 7004+59.95 TO STA, 7006+37.03

#### TRAFFIC DATA

CURRENT YEAR = 2018 AADT = N/AESTIMATED OPENING YEAR = 2025 AADT = 2,500 ESTIMATED DESIGN YEAR = 2045 AADT = 8,200 K = 9.5% D = N/A T = N/A (24 HOUR) DESIGN HOUR T = N/ADESIGN SPEED = 35 MPH (ASSUMED)

SHEET NO. FINANCIAL PROJECT ID

414506-7-52-01 10