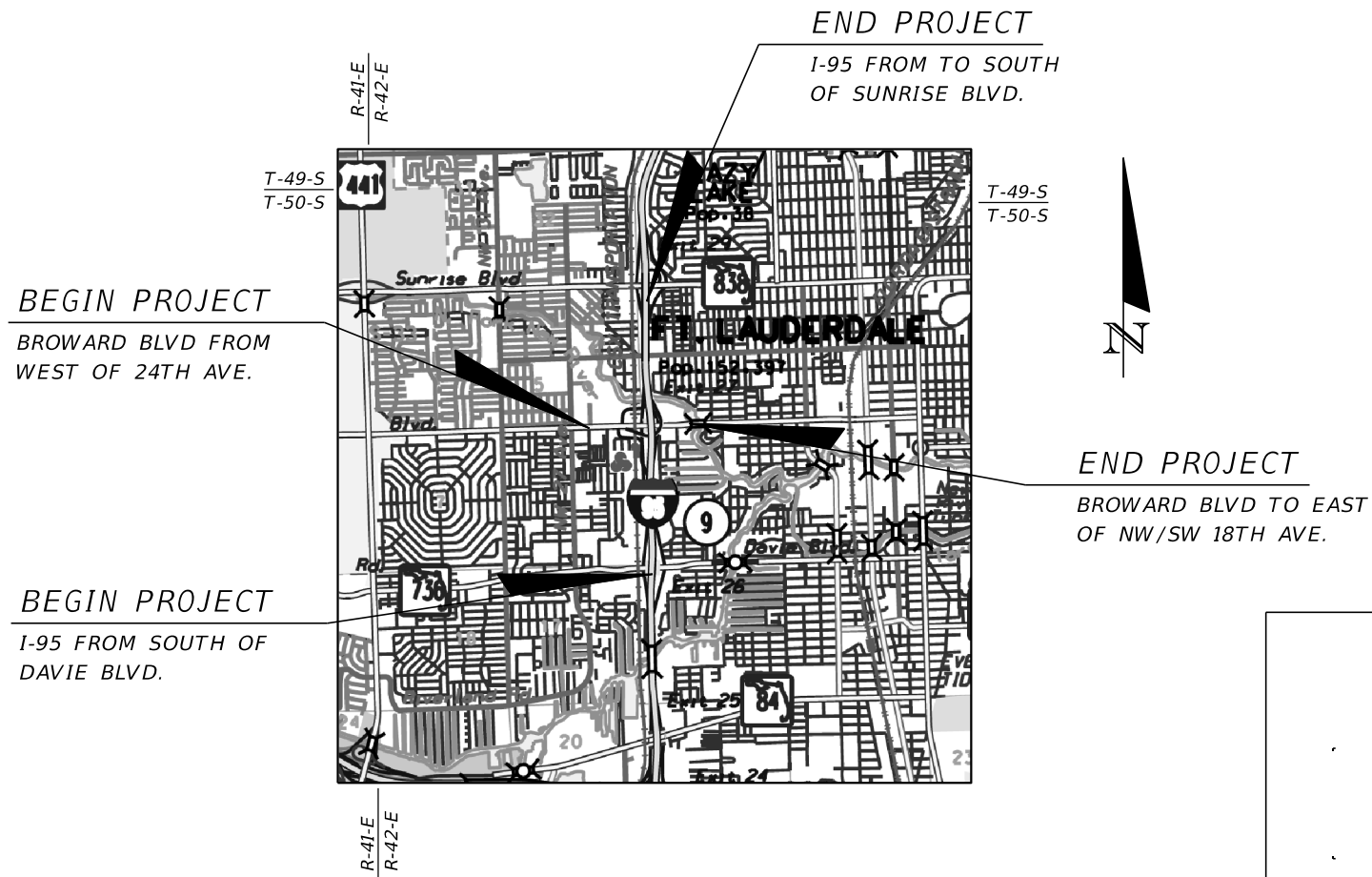


STATE OF FLORIDA
 DEPARTMENT OF TRANSPORTATION

TYPICAL SECTION PACKAGE

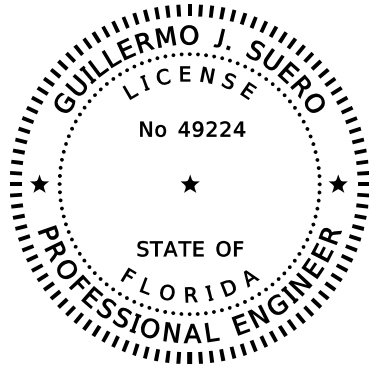
FINANCIAL PROJECT ID 435513-1-22-02

BROWARD COUNTY (86100)
 STATE ROAD NO. 842/BROWARD BLVD. (86006000)
 STATE ROAD NO. 9/I-95 (86070000)



TYPICAL SECTION CONCURRENCE		
FDOT DISTRICT IV DESIGN ENGINEER	FDOT DISTRICT IV STRUCTURES DESIGN ENGINEER	FDOT DISTRICT IV PROJECT DEVELOPMENT MANAGER
DESIGN SPEED AND POSTED SPEED CONCURRENCE:		CONTEXT CLASSIFICATION CONCURRENCE:
FDOT DISTRICT IV TRAFFIC OPERATIONS ENGINEER	FDOT DISTRICT IV DESIGN ENGINEER	FDOT DISTRICT BICYCLE/PEDESTRIAN COORDINATOR
		SHEET NO. 1

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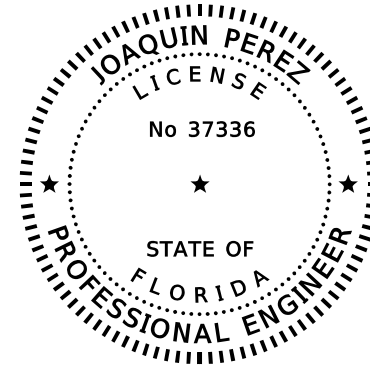
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IN THE ELECTRONIC DOCUMENTS.

HDR ENGINEERING, INC.
3250 W. COMMERCIAL BLVD, SUITE 100
FT. LAUDERDALE, FLORIDA 33309
CERTIFICATE OF AUTHORIZATION: 4213
GUILLERMO J. SUERO, P.E. NO. 49224

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

<u>SHEET NO.</u>	<u>SHEET DESCRIPTION</u>
1	KEY SHEET
2	SIGNATURE SHEET
5	TYPICAL SECTION No. 3
6	TYPICAL SECTION No. 4
7	TYPICAL SECTION No. 5
8	TYPICAL SECTION No. 6
9	TYPICAL SECTION No. 7



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IN THE ELECTRONIC DOCUMENTS.

BOLTON PEREZ & ASSOCIATES
7205 CORPORATE CENTER DRIVE, SUITE 201
MIAMI, FLORIDA 33126
CERTIFICATE OF AUTHORIZATION: 7904
JOAQUIN PEREZ, P.E. NO. 37336

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

<u>SHEET NO.</u>	<u>SHEET DESCRIPTION</u>
2	SIGNATURE SHEET
3	TYPICAL SECTION No. 1
4	TYPICAL SECTION No. 2

FINANCIAL PROJECT ID	SHEET NO.
435513-1-22-02	2

PROJECT CONTROLS

CONTEXT CLASSIFICATION

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

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

ACCESS CLASSIFICATION

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

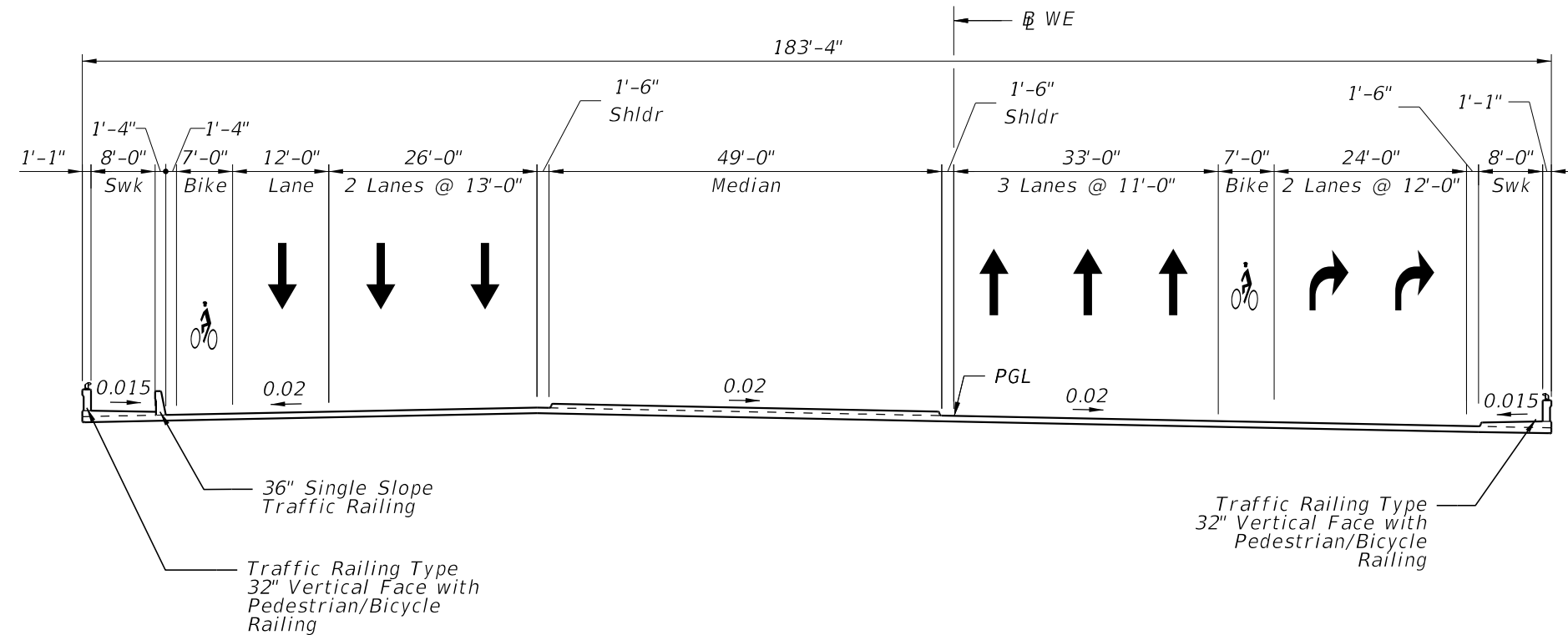
CRITERIA

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

POTENTIAL EXCEPTIONS AND VARIATIONS RELATED TO TYPICAL SECTION:

EXCEPTIONS:
NONE
VARIATIONS:
NONE

TYPICAL SECTION No. 1



BROWARD BLVD. OVER SOUTH FLORIDA RAIL CORRIDOR
STA. 531+85.12 TO STA. 535+83.64

TRAFFIC DATA

CURRENT YEAR = 2019 AADT = 45,000
ESTIMATED OPENING YEAR = 2028 AADT = 47,000
ESTIMATED DESIGN YEAR = 2040 AADT = 50,600
K = 9 % D = 54.1% T = 4.1% (24 HOUR)
DESIGN HOUR T = 2 %
DESIGN SPEED = 45 MPH

FINANCIAL PROJECT ID	SHEET NO.
435513-1-22-02	3

PROJECT CONTROLS

CONTEXT CLASSIFICATION

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

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

ACCESS CLASSIFICATION

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

CRITERIA

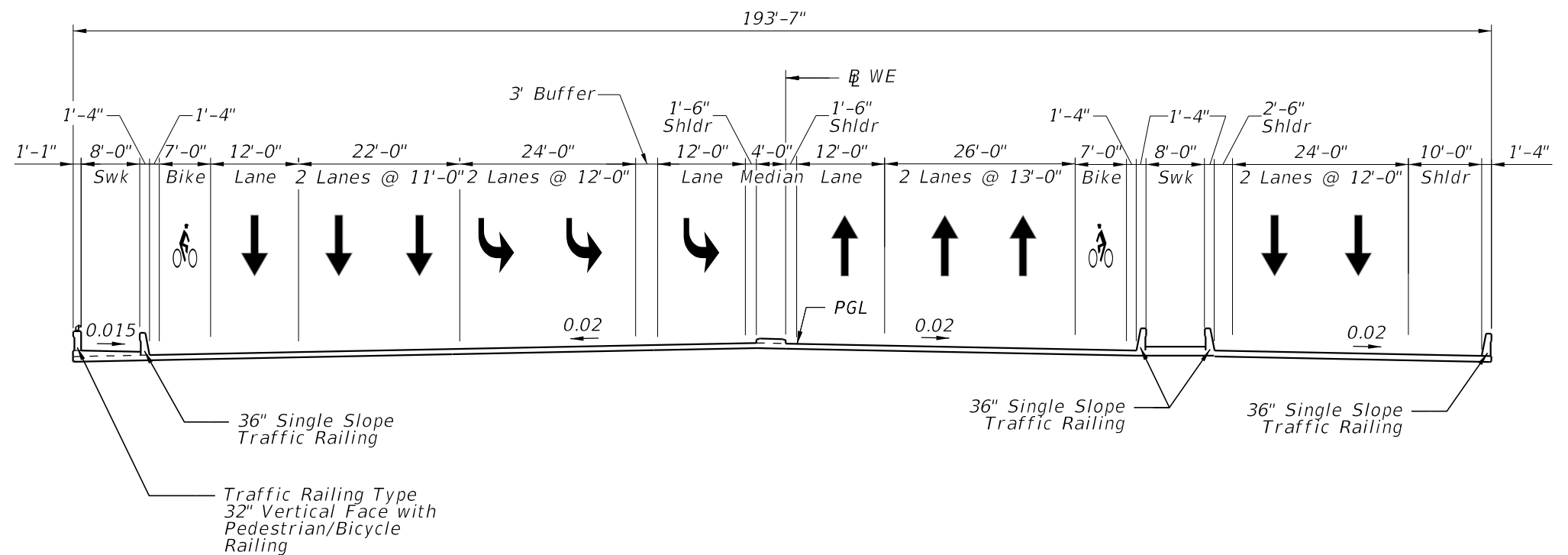
- (X) NEW CONSTRUCTION / RECONSTRUCTION
- () RESURFACING (LA FACILITIES)
- () RRR (ARTERIALS & COLLECTORS)

POTENTIAL EXCEPTIONS AND VARIATIONS RELATED TO TYPICAL SECTION:

EXCEPTIONS:
NONE

VARIATIONS:
RAMP SHOULDER WIDTH FOR DISPLACED NB TO WB RAMP WHERE IT CROSSES I-95

TYPICAL SECTION No. 2



BROWARD BLVD. OVER I-95
STA. 537+50.18 TO STA. 540+26.54

TRAFFIC DATA

CURRENT YEAR = 2019 AADT = 49,000
 ESTIMATED OPENING YEAR = 2028 AADT = 52,000
 ESTIMATED DESIGN YEAR = 2040 AADT = 55,000
 K = 9 % D = 54.1% T = 4.1% (24 HOUR)
 DESIGN HOUR T = 2 %
 DESIGN SPEED = 45 MPH

FINANCIAL PROJECT ID	SHEET NO.
435513-1-22-02	4

PROJECT CONTROLS

CONTEXT CLASSIFICATION

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

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

ACCESS CLASSIFICATION

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

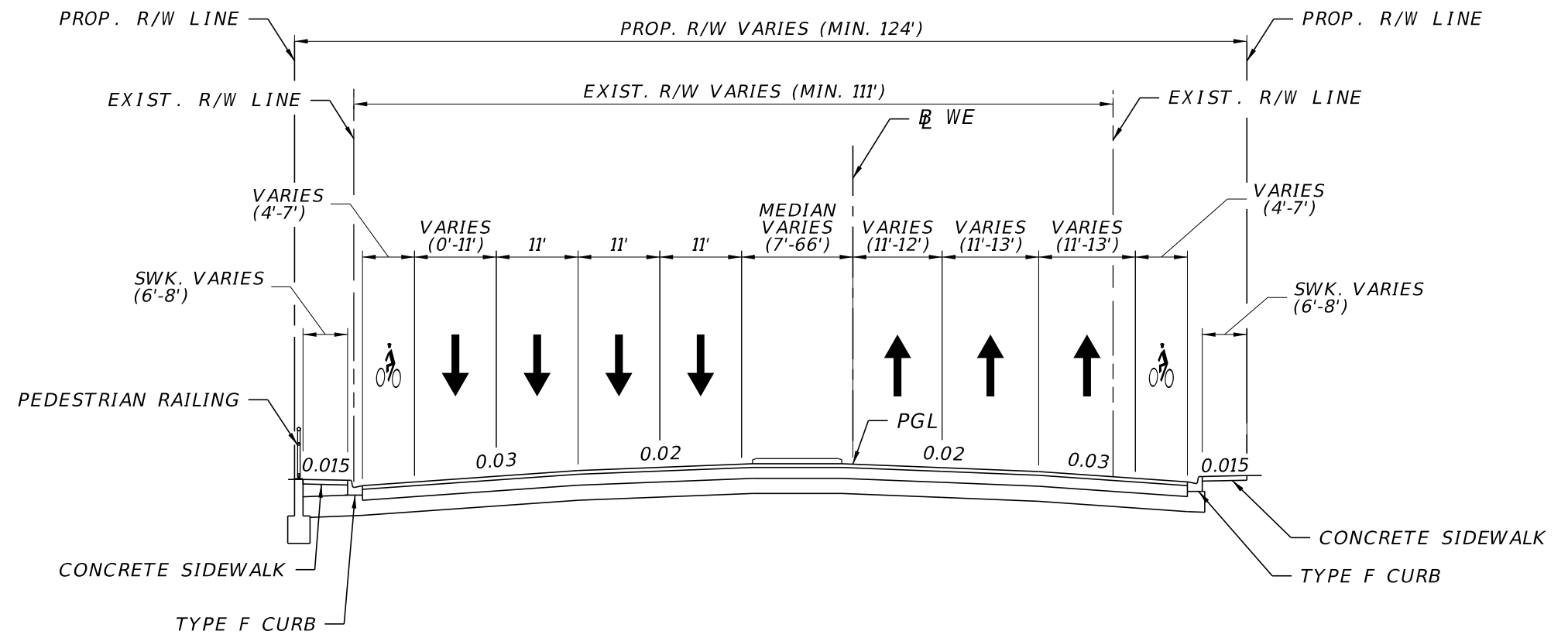
CRITERIA

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

POTENTIAL EXCEPTIONS AND VARIATIONS RELATED TO TYPICAL SECTION:

- EXCEPTIONS:
NONE
- VARIATIONS:
1. HORIZONTAL CURVE LENGTH
2. BICYCLE LANE WIDTH
3. BORDER WIDTH
4. MEDIAN WIDTH

TYPICAL SECTION No. 3



BROWARD BLVD. EAST OF I-95
STA. 540+26.54 TO STA. 552+74.96

TRAFFIC DATA

CURRENT YEAR = 2019 AADT = 49,000
 ESTIMATED OPENING YEAR = 2028 AADT = 52,000
 ESTIMATED DESIGN YEAR = 2040 AADT = 55,000
 K = 9 % D = 54.1% T = 4.1% (24 HOUR)
 DESIGN HOUR T = 2 %
 DESIGN SPEED = 45 MPH

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FINANCIAL PROJECT ID	SHEET NO.
435513-1-22-02	5

PROJECT CONTROLS

CONTEXT CLASSIFICATION

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

FUNCTIONAL CLASSIFICATION

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

HIGHWAY SYSTEM

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

ACCESS CLASSIFICATION

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

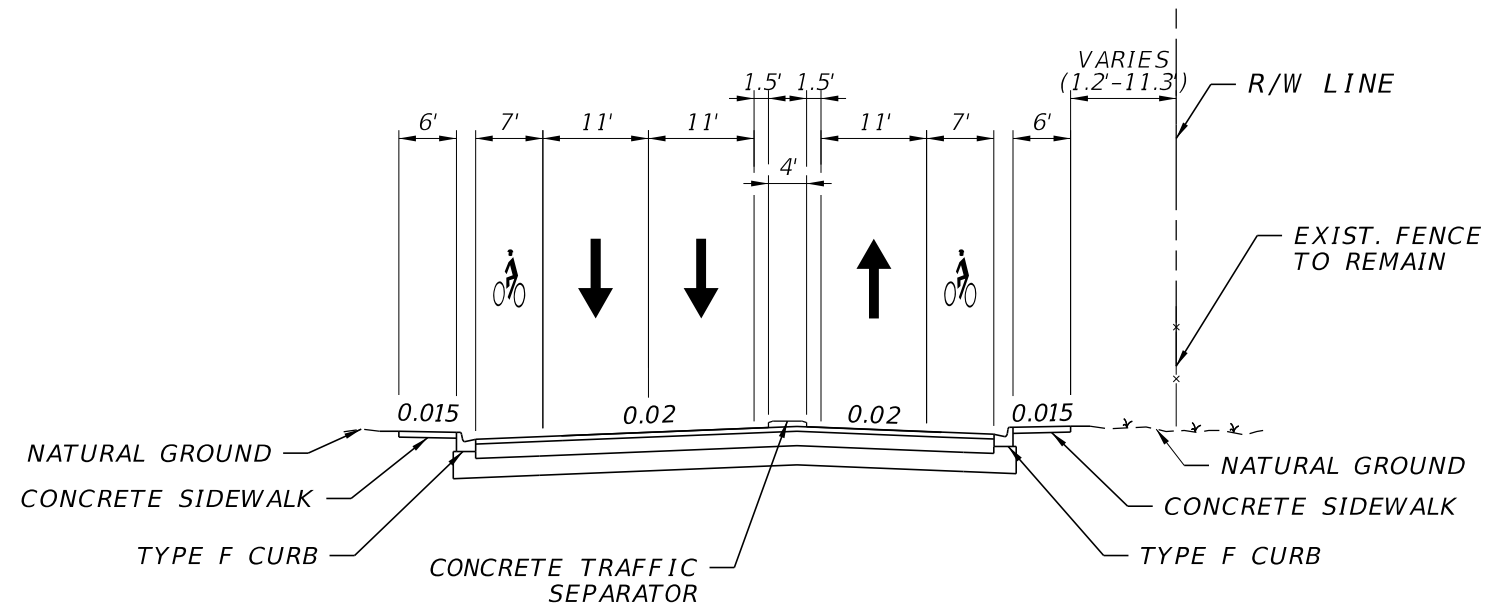
CRITERIA

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

POTENTIAL EXCEPTIONS AND VARIATIONS RELATED TO TYPICAL SECTION:

EXCEPTIONS:
NONE
VARIATIONS:
NONE

TYPICAL SECTION No. 4



SW 1ST STREET

TRAFFIC DATA

CURRENT YEAR = 2019 AADT = 3,000
 ESTIMATED OPENING YEAR = 2028 AADT = 5,300
 ESTIMATED DESIGN YEAR = 2040 AADT = 5,900
 K = 9 % D = 54.1% T = 6.0% (24 HOUR)
 DESIGN HOUR T = 3 %
 DESIGN SPEED = 20 MPH

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FINANCIAL PROJECT ID	SHEET NO.
435513-1-22-02	6

PROJECT CONTROLS

CONTEXT CLASSIFICATION

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

FUNCTIONAL CLASSIFICATION

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

- (X) 1 - FREEWAY
- () 2 - RESTRICTIVE w/Service Roads
- () 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

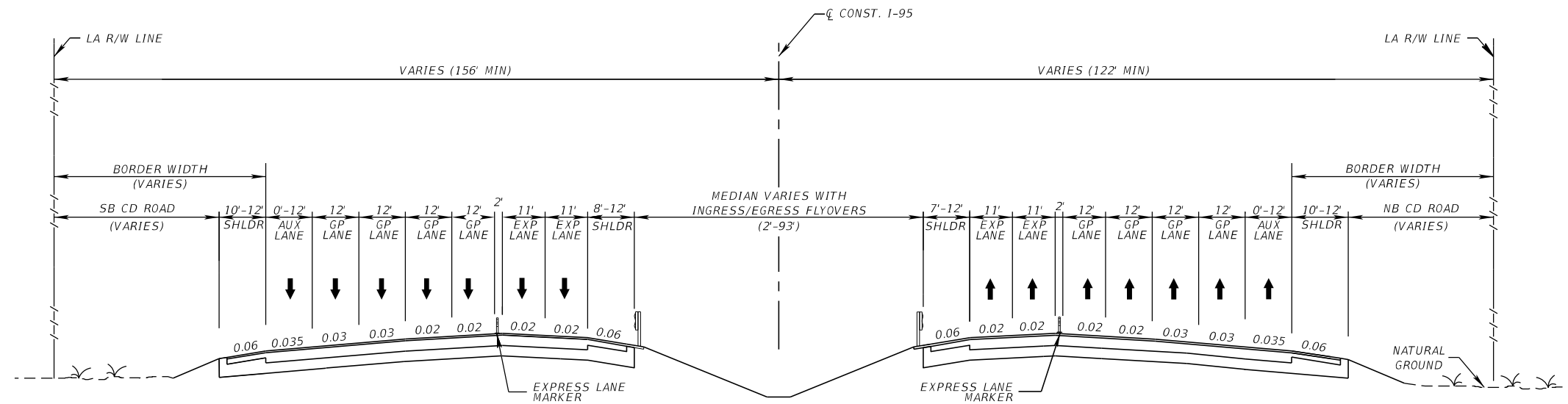
CRITERIA

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

POTENTIAL EXCEPTIONS AND VARIATIONS RELATED TO TYPICAL SECTION:

- EXCEPTIONS:
1. LANE WIDTH (EXPRESS LANES)
 2. SHOULDER WIDTH
- VARIATIONS:
1. BORDER WIDTH

TYPICAL SECTION No. 5



I-95
 Q CONST. I-95 NB STA. 1975+94.06 TO STA. 2094+83.39
 Q CONST. I-95 SB STA. 2011+66.77 TO STA. 2094+83.39

TRAFFIC DATA

CURRENT YEAR = 2019 AADT = 297,000
 ESTIMATED OPENING YEAR = 2028 AADT = 306,000
 ESTIMATED DESIGN YEAR = 2040 AADT = 340,000
 K = 9 % D = 58.5% T = 7.5% (24 HOUR)
 DESIGN HOUR T = 7.5%
 DESIGN SPEED = 65 MPH

FINANCIAL PROJECT ID	SHEET NO.
435513-1-22-02	7

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PROJECT CONTROLS

CONTEXT CLASSIFICATION

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

FUNCTIONAL CLASSIFICATION

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

- (X) 1 - FREEWAY
- () 2 - RESTRICTIVE w/Service Roads
- () 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

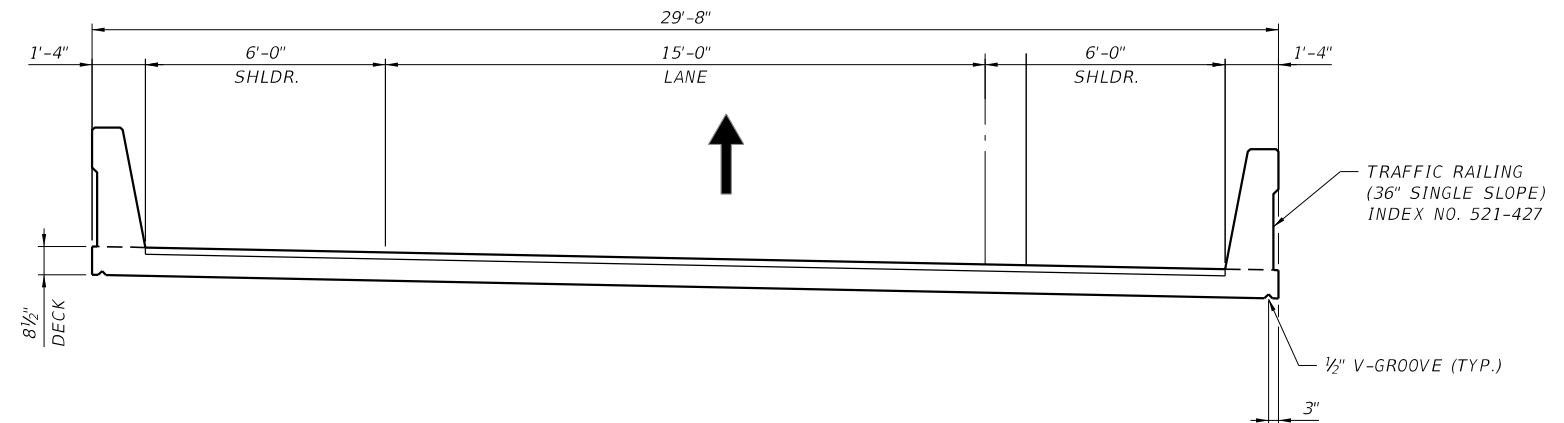
CRITERIA

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

POTENTIAL EXCEPTIONS AND VARIATIONS RELATED TO TYPICAL SECTION:

- EXCEPTIONS:
NONE
- VARIATIONS:
HORIZONTAL CURVE LENGTH

TYPICAL SECTION No. 6



TYPICAL SECTION

- RAMP B
- RAMP C
- RAMP D
- RAMP E

TRAFFIC DATA RAMP B

CURRENT YEAR = 2019 AADT = N/A
 ESTIMATED OPENING YEAR = 2028 AADT = 4,300
 ESTIMATED DESIGN YEAR = 2040 AADT = 4,400
 K = 9 % D = 100%
 DESIGN SPEED = 45 MPH

TRAFFIC DATA RAMP D

CURRENT YEAR = 2019 AADT = N/A
 ESTIMATED OPENING YEAR = 2028 AADT = 5,200
 ESTIMATED DESIGN YEAR = 2040 AADT = 6,800
 K = 9 % D = 100%
 DESIGN SPEED = 25 MPH

TRAFFIC DATA RAMP C

CURRENT YEAR = 2019 AADT = N/A
 ESTIMATED OPENING YEAR = 2028 AADT = 2,800
 ESTIMATED DESIGN YEAR = 2040 AADT = 7,400
 K = 9 % D = 100%
 DESIGN SPEED = 25 MPH

TRAFFIC DATA RAMP E

CURRENT YEAR = 2019 AADT = N/A
 ESTIMATED OPENING YEAR = 2028 AADT = 4,200
 ESTIMATED DESIGN YEAR = 2040 AADT = 5,700
 K = 9 % D = 100%
 DESIGN SPEED = 25 MPH

FINANCIAL PROJECT ID	SHEET NO.
435513-1-22-02	8

PROJECT CONTROLS

CONTEXT CLASSIFICATION

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

FUNCTIONAL CLASSIFICATION

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

HIGHWAY SYSTEM

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

ACCESS CLASSIFICATION

- (X) 1 - FREEWAY
- () 2 - RESTRICTIVE w/Service Roads
- () 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

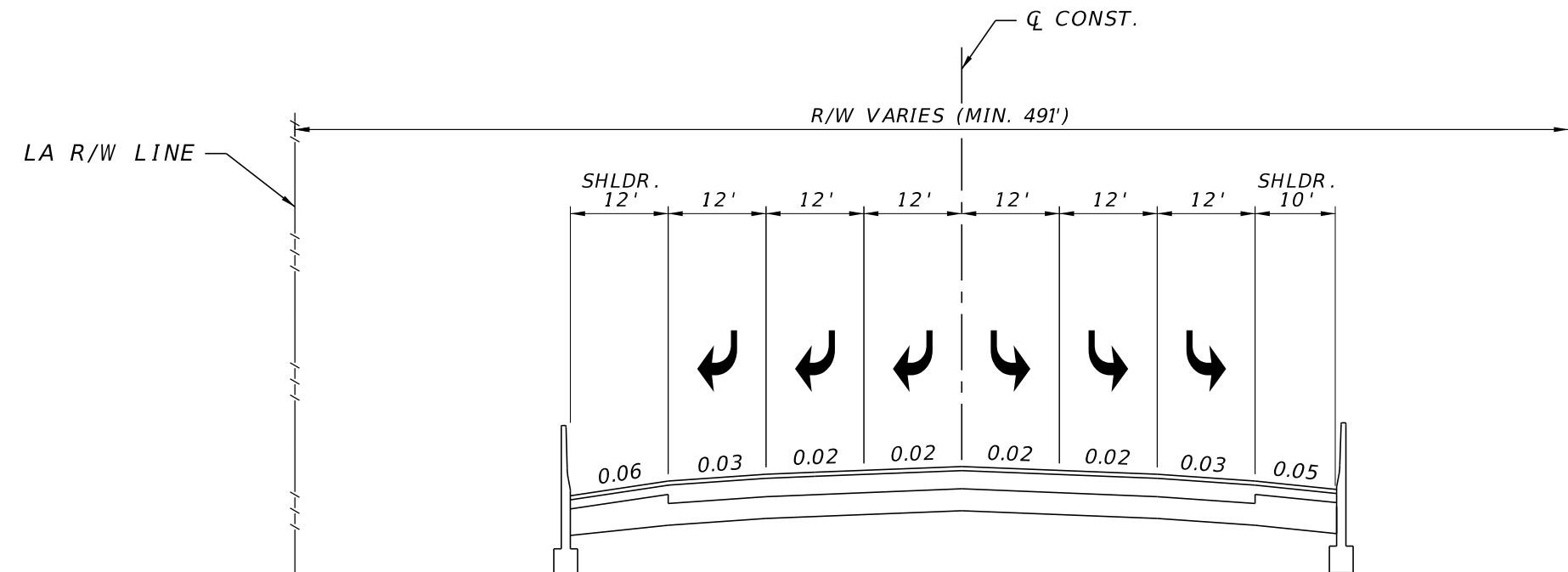
CRITERIA

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

POTENTIAL EXCEPTIONS AND VARIATIONS RELATED TO TYPICAL SECTION:

EXCEPTIONS:
NONE
VARIATIONS:
NONE

TYPICAL SECTION No. 7



SB I-95 EXIT RAMP

TRAFFIC DATA

CURRENT YEAR = 2019 AADT = 19,000
 ESTIMATED OPENING YEAR = 2028 AADT = 20,000
 ESTIMATED DESIGN YEAR = 2040 AADT = 21,400
 K = 9 % D = 100 % T = 7.5% (24 HOUR)
 DESIGN HOUR T = 3.8%
 DESIGN SPEED = 45 MPH

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FINANCIAL PROJECT ID	SHEET NO.
435513-1-22-02	9