TYPICAL SECTION PACKAGE

Florida Department of Transportation

District 6

SR 994/SW 200th Street/Quail Roost Drive PD&E Study

From West of SW 137th Avenue to East of SW 127th Avenue

Miami-Dade County, Florida

Financial Management Number: 445804-1-22-01

ETDM Number: 14429

JUNE 2024

The environmental review, consultation, and other actions required by applicable federal environmental laws for this project are being, or have been, carried out by the Florida Department of Transportation (FDOT) pursuant to 23 U.S.C. § 327 and a Memorandum of Understanding dated May 26, 2022, and executed by the Federal Highway Administration and FDOT.

STATE OF FLORIDA
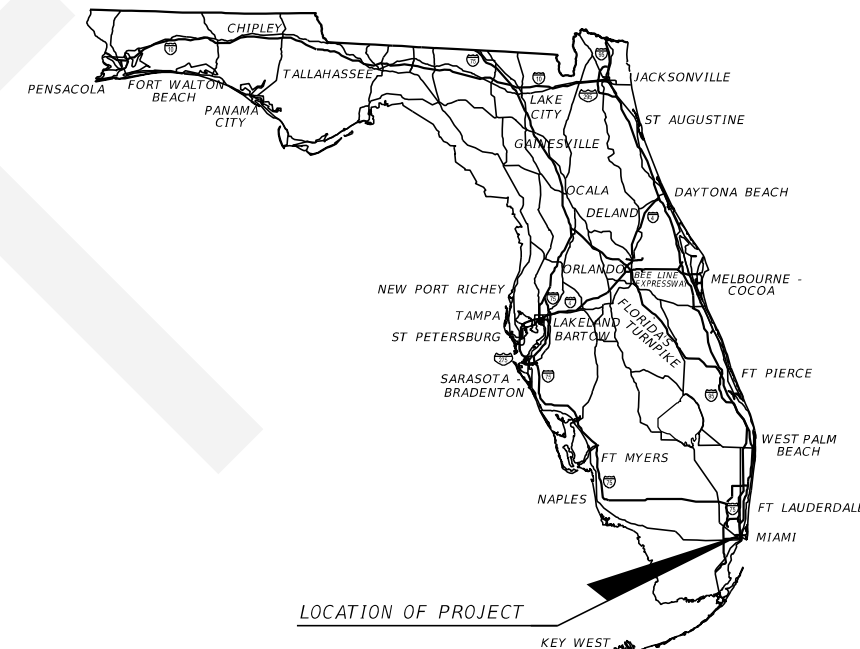# DEPARTMENT OF TRANSPORTATION

TYPICAL SECTION PACKAGE

FINANCIAL PROJECT ID 445804-1-22-01

(FEDERAL FUNDS)

MIAMI-DADE COUNTY (87091)

STATE ROAD NO. 994
SW 200 ST/ QUAIL ROOST DRIVE
FROM W OF SW 137 AVE TO E. OF SW 127 AVE

LOCATION OF PROJECT

FDOT DISTRICT DESIGN ENGINEER

FDOT DISTRICT TRAFFIC OPERATIONS ENGINEER

CONCURRING WITH:
TYPICAL SECTION ELEMENTS
TARGET SPEED
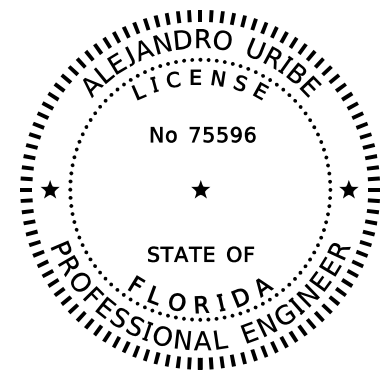DESIGN & POSTED SPEEDS

CONCURRING WITH:
TARGET SPEED
DESIGN & POSTED SPEEDS

FDOT DISTRICT PLANNING AND ENVIRONMENTAL ADMINISTRATOR

FDOT DISTRICT STRUCTURES DESIGN ENGINEER

CONCURRING WITH:
CONTEXT CLASSIFICATION
TARGET SPEED

CONCURRING WITH:
TYPICAL SECTION ELEMENTS

FHWA TRANSPORTATION ENGINEER

LOCAL TRANSPORTATION ENGINEER

CONCURRING WITH:
TYPICAL SECTION ELEMENTS

CONCURRING WITH:
TYPICAL SECTION ELEMENTS

NOT USED

NOT USED

CONCURRING WITH:

CONCURRING WITH:

PROJECT LOCATION URL:	https://tinyurl.com/yw897yvk
PROJECT LIMITS:	MP 3.740 TO MP 5.430
EXCEPTIONS:	NONE
BRIDGE LIMITS:	MP 4.63 TO MP 4.65
RAILROAD CROSSING:	NONE

APPROVED BY:

(Seal: ALEJANDRO URIBE, LICENSE No 75596, STATE OF FLORIDA, PROFESSIONAL ENGINEER)

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY:

ON THE DATE ADJACENT TO THE SEAL

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

GANNETT FLEMING, INC.
800 NW 62ND AVE, SUITE 490
MIAMI, FL 33126
ALEJANDRO URIBE, P.E. NO. 75596

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

INDEX OF SHEETS

DRAFT

SHEET NO.

1

CONTEXT CLASSIFICATION

( ) C1 : NATURAL   ( ) C3C : SUBURBAN COMM.

(x) C2 : RURAL   ( ) C4 : URBAN GENERAL

( ) C2T : RURAL TOWN   ( ) C5 : URBAN CENTER

( ) C3R : SUBURBAN RES.   ( ) C6 : URBAN CORE

( ) N/A : L.A. FACILITY

FUNCTIONAL CLASSIFICATION

( ) INTERSTATE   (x) 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

( ) 1 – FREEWAY

( ) 2 – RESTRICTIVE w/Service Roads

( ) 3 – RESTRICTIVE w/660 ft. Connection Spacing

(x) 4 – NON-RESTRICTIVE w/2640 ft. Signal Spacing

( ) 5 – RESTRICTIVE w/440 ft. Connection Spacing

( ) 6 – NON-RESTRICTIVE w/1320 ft. Signal Spacing
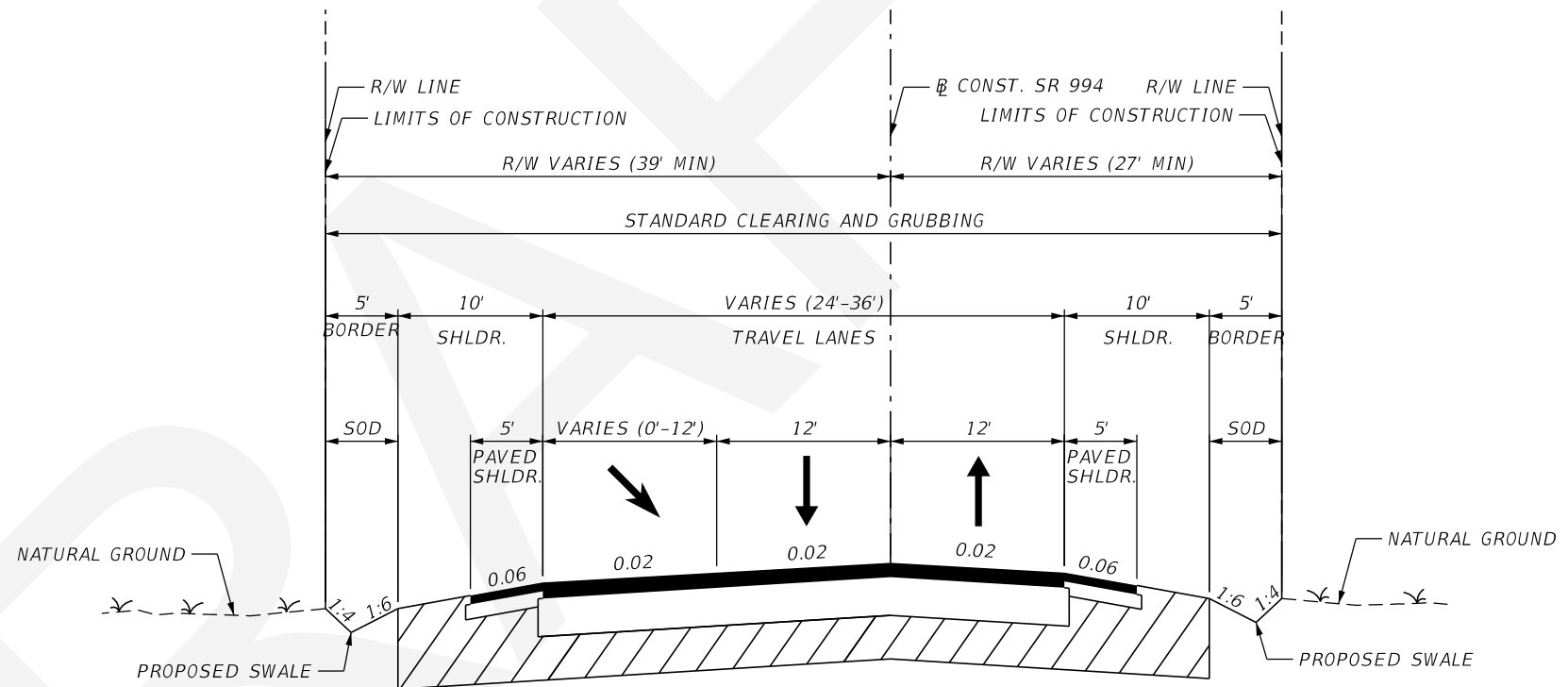
( ) 7 – BOTH MEDIAN TYPES

CRITERIA

(x) NEW CONSTRUCTION / RECONSTRUCTION

( ) RESURFACING (LA FACILITIES)

( ) RRR (ARTERIALS & COLLECTORS)

POTENTIAL EXCEPTIONS AND VARIATIONS RELATED TO TYPICAL SECTION:

BORDER WIDTH

CLEAR ZONE

SR 994 (QUAIL ROOST DR.)

MP 3.740 TO MP 3.901

TRAFFIC DATA

CURRENT YEAR = 2022 AADT = 9300
ESTIMATED OPENING YEAR = 2025 AADT = 9900
ESTIMATED DESIGN YEAR = 2045 AADT = 11600
K = 9 %   D = 56%   T = 6.22% (24 HOUR)
DESIGN HOUR T = 3.11%
DESIGN SPEED = 50 MPH
TARGET SPEED = 50 MPH
POSTED SPEED = 50 MPH

FINANCIAL PROJECT ID	SHEET NO.
44580412201	2

CONTEXT CLASSIFICATION

( ) C1 : NATURAL   ( ) C3C : SUBURBAN COMM.

(X) C2 : RURAL   ( ) C4 : URBAN GENERAL

( ) C2T : RURAL TOWN   ( ) C5 : URBAN CENTER

( ) C3R : SUBURBAN RES.   ( ) C6 : URBAN CORE

( ) N/A : L.A. FACILITY

FUNCTIONAL CLASSIFICATION

( ) INTERSTATE   (x) 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

( ) 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
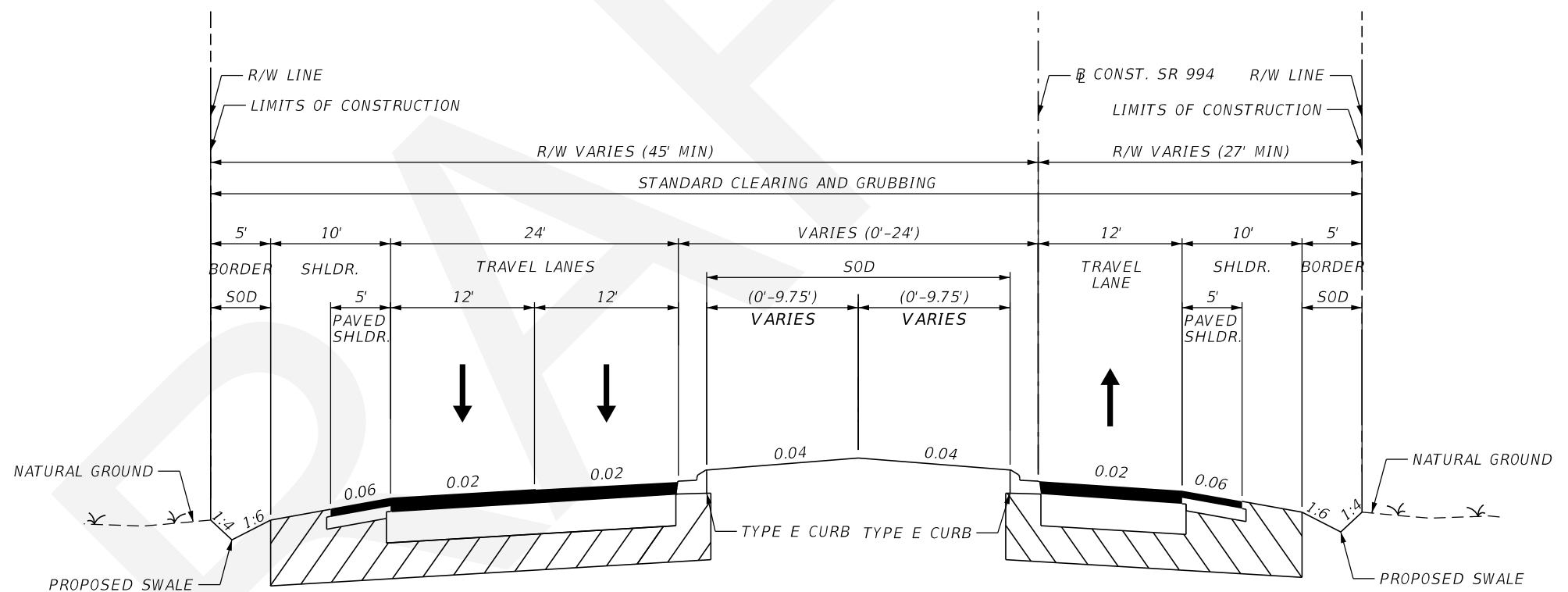
( ) 7 – BOTH MEDIAN TYPES

CRITERIA

(x) NEW CONSTRUCTION / RECONSTRUCTION

( ) RESURFACING (LA FACILITIES)

( ) RRR (ARTERIALS & COLLECTORS)

POTENTIAL EXCEPTIONS AND VARIATIONS RELATED TO TYPICAL SECTION:

BORDER WIDTH

SR 994 (QUAIL ROOST DR.)

MP 3.901 TO MP 3.975

TRAFFIC DATA

CURRENT YEAR   = 2022 AADT = 9300
ESTIMATED OPENING YEAR = 2025 AADT = 9900
ESTIMATED DESIGN YEAR = 2045 AADT = 11600
K = 9 %   D = 56%   T = 6.22% (24 HOUR)
DESIGN HOUR T = 3.11%
DESIGN SPEED = 50 MPH
TARGET SPEED = 50 MPH
POSTED SPEED = 50 MPH

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FINANCIAL PROJECT ID	SHEET NO.
44580412201	3

PROJECT CONTROLS

CONTEXT CLASSIFICATION

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

FUNCTIONAL CLASSIFICATION

( )	INTERSTATE	(x)	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

( ) 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
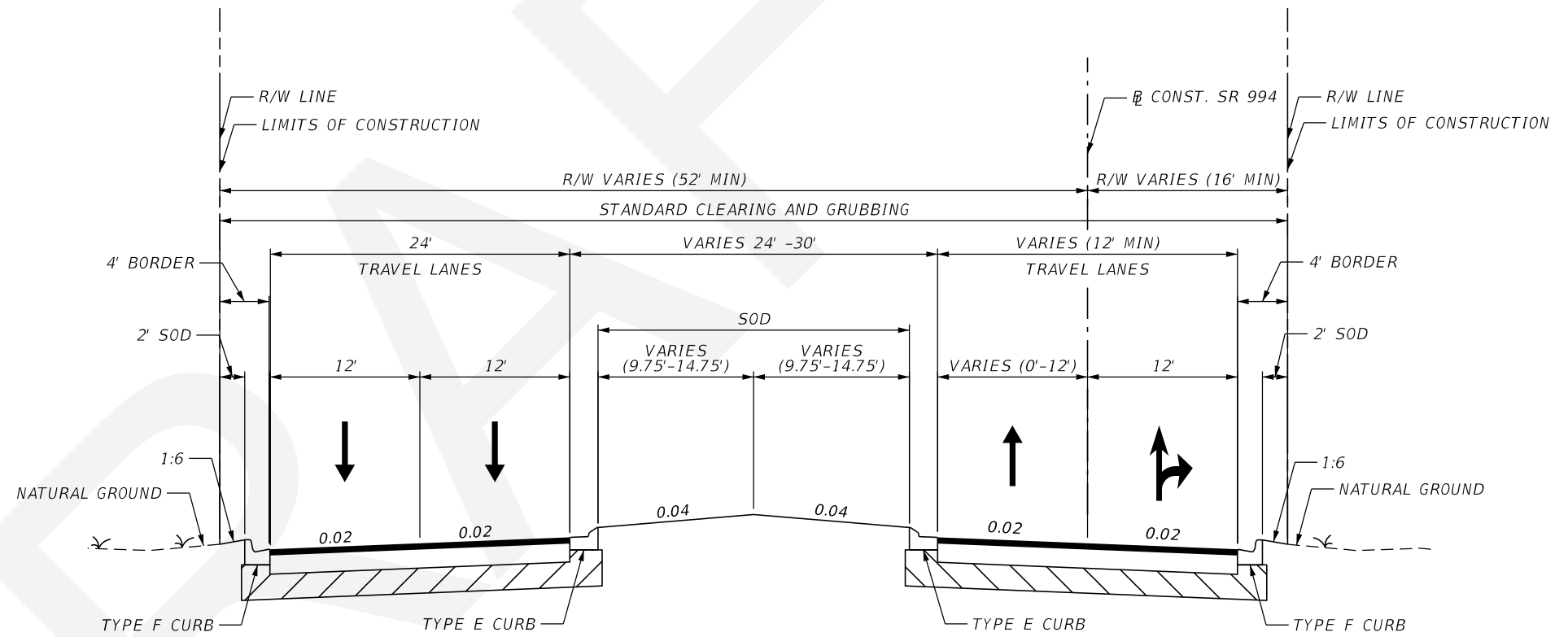( ) 6 - NON-RESTRICTIVE w/1320 ft. Signal Spacing
( ) 7 - BOTH MEDIAN TYPES

CRITERIA

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

POTENTIAL EXCEPTIONS AND VARIATIONS RELATED TO TYPICAL SECTION:

BORDER WIDTH
BICYCLE FACILITIES

SR 994 (QUAIL ROOST DR.)

MP 3.975 TO MP 4.052

TRAFFIC DATA

CURRENT YEAR   = 2022 AADT = 9300
ESTIMATED OPENING YEAR = 2025 AADT = 9900
ESTIMATED DESIGN YEAR = 2045 AADT = 11600
K = 9 % D = 56% T = 6.22% (24 HOUR)
DESIGN HOUR T = 3.11%
DESIGN SPEED = 45 MPH
TARGET SPEED = 45 MPH
POSTED SPEED = 45 MPH

FINANCIAL PROJECT ID	SHEET NO.
44580412201	4

PROJECT CONTROLS

CONTEXT CLASSIFICATION

( ) C1 : NATURAL   (x) 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

(x) 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

(x) 4 – NON-RESTRICTIVE w/2640 ft. Signal Spacing

( ) 5 – RESTRICTIVE w/440 ft. Connection Spacing

( ) 6 – NON-RESTRICTIVE w/1320 ft. Signal Spacing
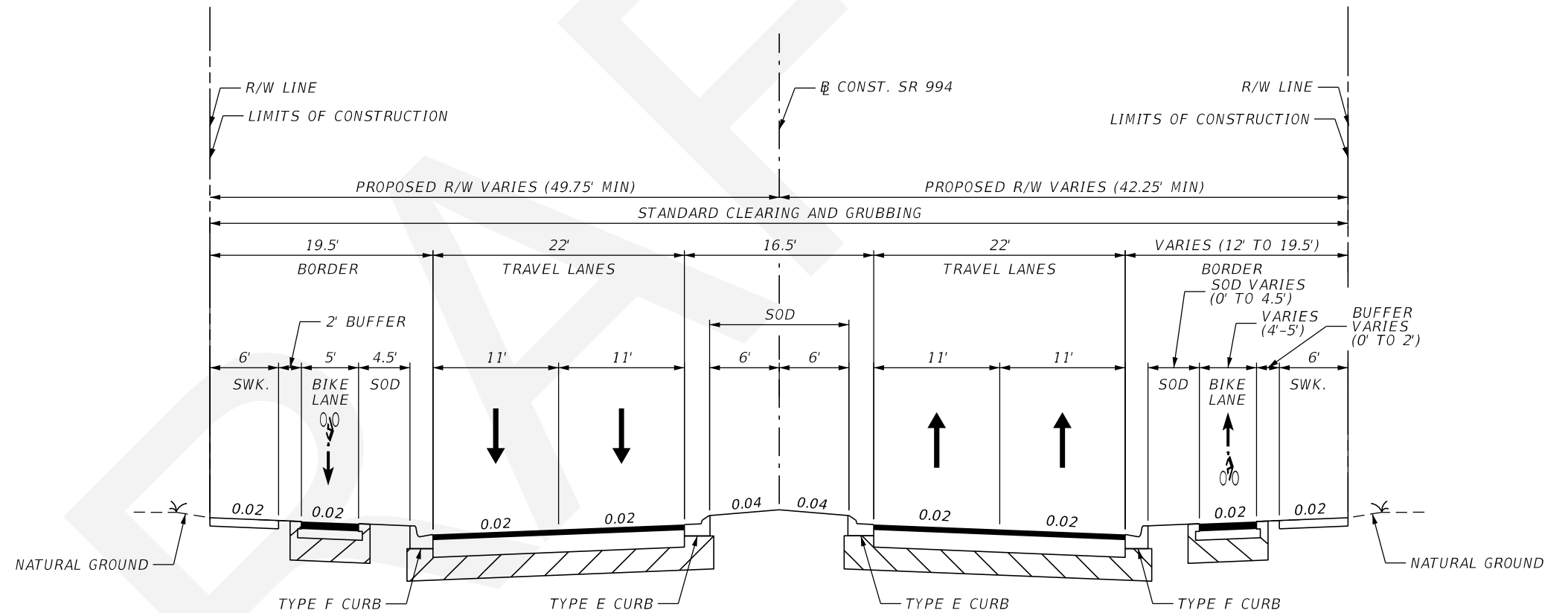
( ) 7 – BOTH MEDIAN TYPES

CRITERIA

(x) NEW CONSTRUCTION / RECONSTRUCTION

( ) RESURFACING (LA FACILITIES)

( ) RRR (ARTERIALS & COLLECTORS)

POTENTIAL EXCEPTIONS AND VARIATIONS RELATED TO TYPICAL SECTION:

MEDIAN WIDTH
BICYCLE LANE HORIZONTAL CLEARANCE

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TYPICAL SECTION No. 4

SR 994 (QUAIL ROOST DR.)

MP 4.052 TO MP 4.63
MP 4.65 TO MP 5.06

TRAFFIC DATA

CURRENT YEAR   = 2020 AADT = 18200
ESTIMATED OPENING YEAR = 2025 AADT = 18900
ESTIMATED DESIGN YEAR = 2045 AADT = 21600
K = 9 %   D = 56%   T = 6.22% (24 HOUR)
DESIGN HOUR T = 3.11%
DESIGN SPEED = 40 MPH
TARGET SPEED= 40 MPH
POSTED SPEED= 40 MPH

FINANCIAL PROJECT ID	SHEET NO.
44580412201	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

(x) 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

(x) 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

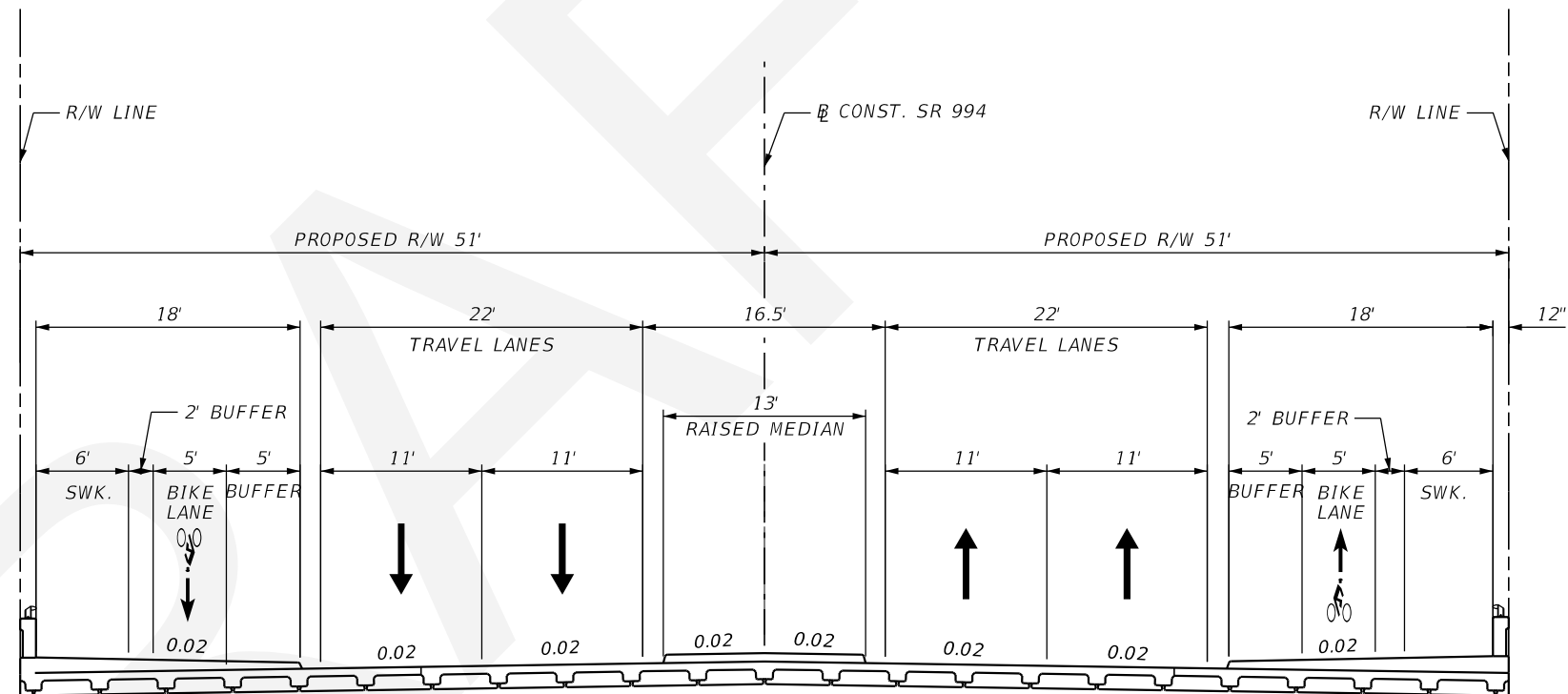( ) RESURFACING (LA FACILITIES)

( ) RRR (ARTERIALS & COLLECTORS)

POTENTIAL EXCEPTIONS AND VARIATIONS RELATED TO TYPICAL SECTION:

MEDIAN WIDTH

R/W LINE

℄ CONST. SR 994

R/W LINE

PROPOSED R/W 51'   PROPOSED R/W 51'

18'   22'   16.5'   22'   18'   12"

TRAVEL LANES   TRAVEL LANES

13'

RAISED MEDIAN

2' BUFFER   2' BUFFER

6'   5'   5'   11'   11'   11'   11'   5'   5'   6'

SWK.   BIKE LANE   BUFFER   BUFFER   BIKE LANE   SWK.

0.02   0.02   0.02   0.02   0.02   0.02   0.02   0.02

SR 994 (QUAIL ROOST DR.)

MP 4.63 TO MP 4.65

TRAFFIC DATA

CURRENT YEAR   = 2020 AADT = 18200

ESTIMATED OPENING YEAR = 2025 AADT = 18900

ESTIMATED DESIGN YEAR   = 2045 AADT = 21600

K = 9 % D = 56% T = 6.22% (24 HOUR)

DESIGN HOUR T = 3.11%

DESIGN SPEED = 40 MPH

TARGET SPEED = 40 MPH

POSTED SPEED = 40 MPH

FINANCIAL PROJECT ID	SHEET NO.
44580412201	6

PROJECT CONTROLS

CONTEXT CLASSIFICATION

( ) C1 : NATURAL   (x) C3C : SUBURBAN COMM.
( ) C2 : RURAL   ( ) 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   ( ) LOCAL
(x) 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
(x) 4 – NON-RESTRICTIVE w/2640 ft. Signal Spacing
( ) 5 – RESTRICTIVE w/440 ft. Connection Spacing
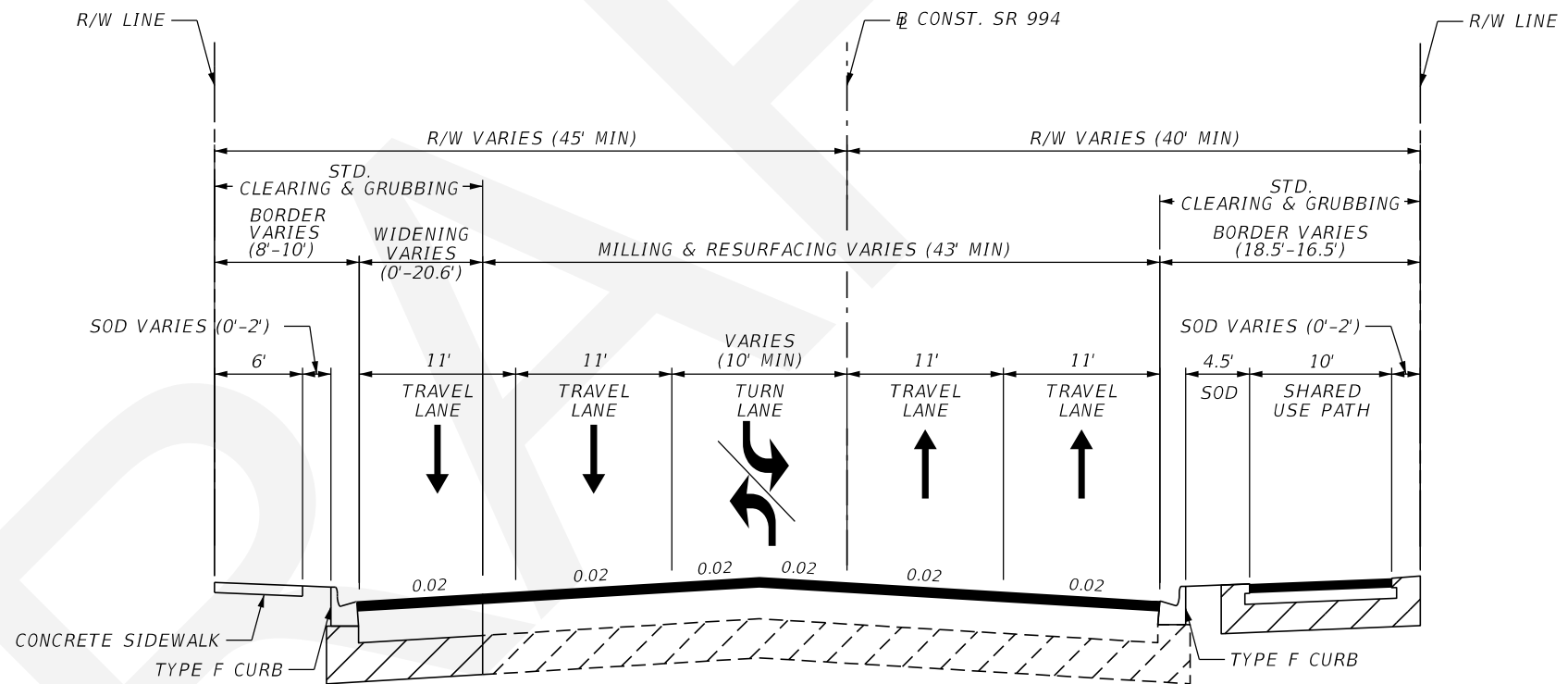( ) 6 – NON-RESTRICTIVE w/1320 ft. Signal Spacing
( ) 7 – BOTH MEDIAN TYPES

CRITERIA

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

POTENTIAL EXCEPTIONS AND VARIATIONS RELATED TO TYPICAL SECTION:

LANE WIDTH

TYPICAL SECTION No. 6

SR 994 (QUAIL ROOST DR.)

MP 5.06 TO MP 5.430

TRAFFIC DATA

CURRENT YEAR   = 2020 AADT = 18200
ESTIMATED OPENING YEAR = 2025 AADT = 18900
ESTIMATED DESIGN YEAR = 2045 AADT = 21600
K = 9 % D = 56% T = 6.22% (24 HOUR)
DESIGN HOUR T = 3.11%
DESIGN SPEED = 40 MPH
TARGET SPEED = 40 MPH
POSTED SPEED = 40 MPH

FINANCIAL PROJECT ID	SHEET NO.
44580412201	7