

*STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION*

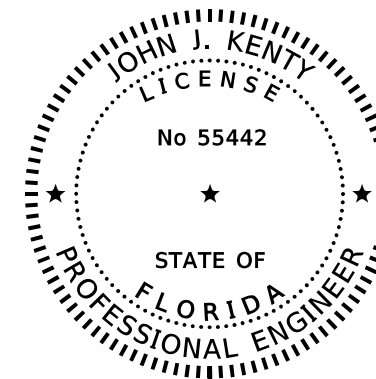
TYPICAL SECTION PACKAGE

FINANCIAL PROJECT ID 443368-2-22-01

PASCO COUNTY (14070)
STATE ROAD NO. 35/700 (US 98)
FROM POLK COUNTY LINE TO US 301

APPROVED BY:

THIS ITEM HAS BEEN DIGITALLY
SIGNED AND SEALED BY



ON THE DATE ADJACENT TO THE SEAL
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H. W. LOCHNER, INC.
4350 W. CYPRESS STREET, SUITE 800
TAMPA, FL 33607
JOHN J. KENTY, P.E. NO. 55442

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

FDOT DESIGN ENGINEER

FDOT TRAFFIC OPERATIONS
ENGINEER

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

CONCURRING WITH:
TARGET SPEED
DESIGN & POSTED SPEEDS

FDOT DISTRICT INTERMODAL SYSTEMS
DEVELOPMENT MANAGER

FDOT DISTRICT STRUCTURES
DESIGN ENGINEER

CONCURRING WITH:
CONTEXT CLASSIFICATION
TARGET SPEED

CONCURRING WITH:
BRIDGE 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/3wttrzvkc>

PROJECT DESCRIPTION: RECONSTRUCTION

PROJECT LIMITS: BEGIN MP 0.000 - END MP 8.727

EXCEPTIONS: NONE

BRIDGE LIMITS: MP 1.584 - MP 1.625
MP 5.081 - MP 5.157

RAILROAD CROSSING: MP 5.104 (#622739D)

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

PROJECT CONTROLS

CONTEXT CLASSIFICATION

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

FUNCTIONAL CLASSIFICATION

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

HIGHWAY SYSTEM

- (X) 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

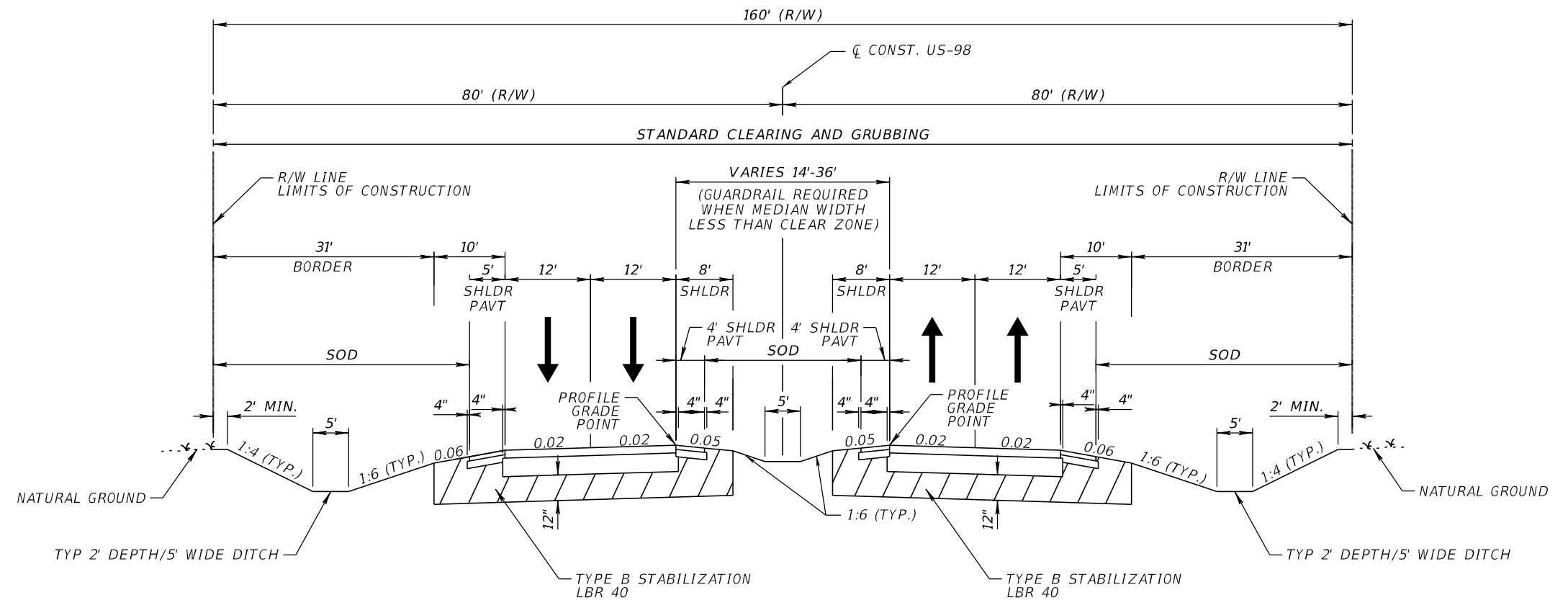
CRITERIA

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

POTENTIAL EXCEPTIONS AND VARIATIONS RELATED TO TYPICAL SECTION:

- 1:4 DITCH FRONT SLOPE
- 1:3 DITCH BACK SLOPE
- MEDIAN WIDTH
- BORDER WIDTH

TYPICAL SECTION No. 1



US 98

GUARDRAIL TO BE EVALUATED IN MEDIAN AS PART OF DESIGN TYPICAL SECTIONS

MP 0.000 TO MP 1.584
MP 1.625 TO MP 5.081
MP 5.157 TO MP 6.665

THE INFORMATION INCLUDED IN THIS PD&E TYPICAL SECTION PACKAGE IS BASED ON THE BEST AVAILABLE INFORMATION AND CRITERIA IS BASED ON THE FLORIDA DESIGN MANUAL AT THE DATE OF SUBMITTAL. THE PD&E TYPICAL SECTION PACKAGE IS SUBJECT TO CHANGE. THE PD&E TYPICAL SECTIONS ARE NOT SUITABLE FOR CONSTRUCTION.

MP 0.000 TO MP 4.543 - C2 WITH 60mph TARGET/DESIGN/POSTED SPEED
MEDIAN WIDTH 14' to 36' (GUARDRAIL WHEN MEDIAN LESS THAN CLEAR ZONE)

MP 4.543 TO MP 6.665 - C3R WITH 55mph TARGET/DESIGN/POSTED SPEED
MEDIAN WIDTH 30' - NO GUARDRAIL

TRAFFIC DATA (N. OF POLK COUNTY LINE)

CURRENT YEAR = 2022 AADT = 11,600
ESTIMATED OPENING YEAR = 2025 AADT = 13,800
ESTIMATED DESIGN YEAR = 2045 AADT = 28,500
K = 9.0% D = 56.2% T = 23.5% (24 HOUR)
DESIGN HOUR T = 11.75%
TARGET SPEED = 60 MPH
DESIGN SPEED = 60 MPH
POSTED SPEED = 60 MPH

TRAFFIC DATA (N. OF STANTON HALL)

CURRENT YEAR = 2022 AADT = 7,300
ESTIMATED OPENING YEAR = 2025 AADT = 8,600
ESTIMATED DESIGN YEAR = 2045 AADT = 17,600
K = 9.0% D = 56.2% T = 23.5% (24 HOUR)
DESIGN HOUR T = 11.75%
TARGET SPEED = 60 MPH
DESIGN SPEED = 60 MPH
POSTED SPEED = 60 MPH

TRAFFIC DATA (W. OF OLD LAKELAND HWY)

CURRENT YEAR = 2022 AADT = 5,600
ESTIMATED OPENING YEAR = 2025 AADT = 6,700
ESTIMATED DESIGN YEAR = 2045 AADT = 14,200
K = 9.0% D = 56.2% T = 13.9% (24 HOUR)
DESIGN HOUR T = 6.95%
TARGET SPEED = 55 MPH
DESIGN SPEED = 55 MPH
POSTED SPEED = 55 MPH

NOT TO SCALE

FINANCIAL PROJECT ID	SHEET NO.
443368-2-22-01	2

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

PROJECT CONTROLS

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

ACCESS CLASSIFICATION

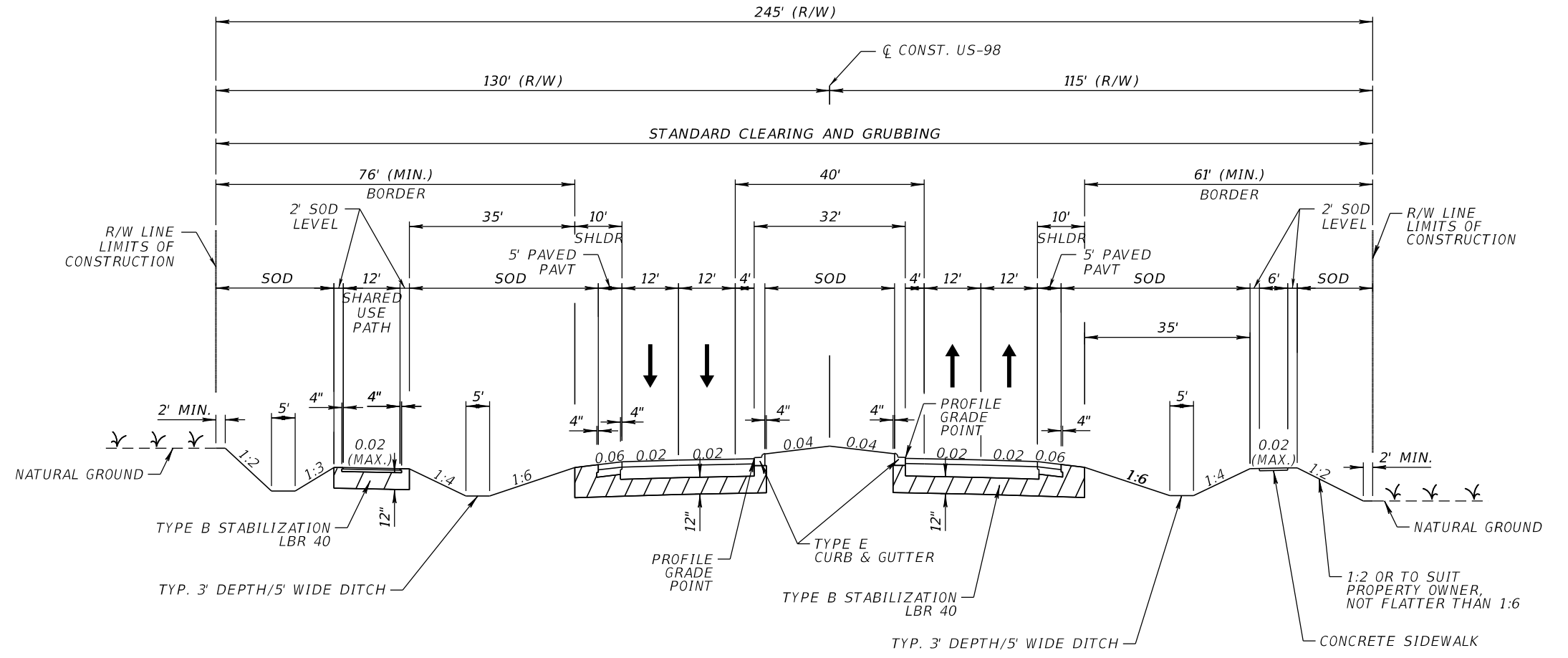
- () 1 - FREEWAY
- () 2 - RESTRICTIVE w/Service Roads
- (X) 3 - RESTRICTIVE w/660 ft. Connection Spacing
- () 4 - NON-RESTRICTIVE w/2640 ft. Signal Spacing
- () 5 - RESTRICTIVE w/440 ft. Connection Spacing
- () 6 - NON-RESTRICTIVE w/1320 ft. Signal Spacing
- () 7 - BOTH MEDIAN TYPES

CRITERIA

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

POTENTIAL EXCEPTIONS AND VARIATIONS RELATED TO TYPICAL SECTION:

TYPICAL SECTION No. 2



US 98
MP 6.665 TO MP 7.967

TRAFFIC DATA

CURRENT YEAR = 2022 AADT = 3,000
 ESTIMATED OPENING YEAR = 2025 AADT = 6,000
 ESTIMATED DESIGN YEAR = 2045 AADT = 12,400
 K = 9.0% D = 56.2% T = 13.9% (24 HOUR)
 DESIGN HOUR T = 6.95%
 TARGET SPEED = 50 MPH
 DESIGN SPEED = 50 MPH
 POSTED SPEED = 50 MPH

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FINANCIAL PROJECT ID	SHEET NO.
443368-2-22-01	3

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PROJECT CONTROLS

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

ACCESS CLASSIFICATION

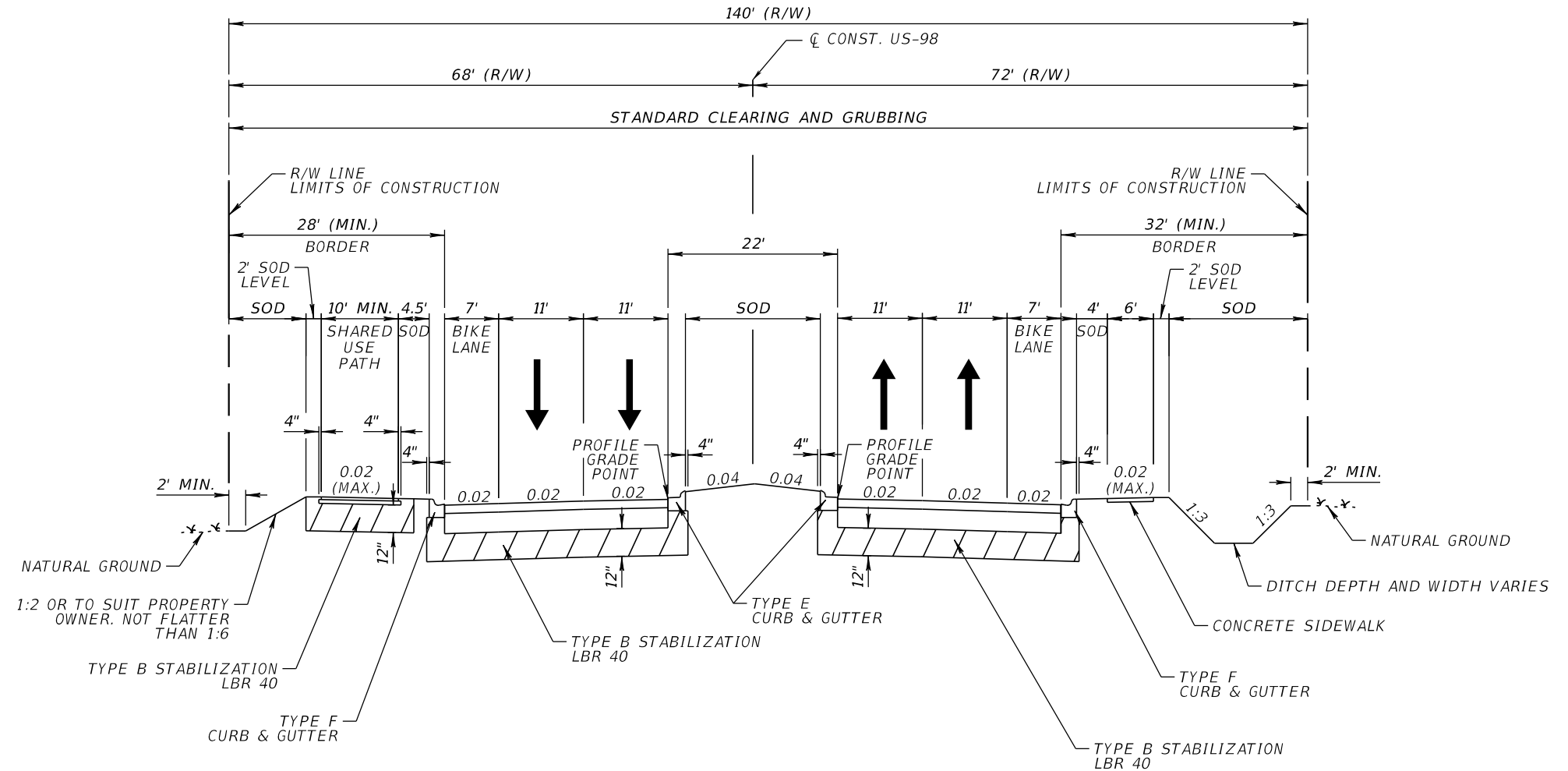
- () 1 - FREEWAY
- () 2 - RESTRICTIVE w/Service Roads
- (X) 3 - RESTRICTIVE w/660 ft. Connection Spacing
- () 4 - NON-RESTRICTIVE w/2640 ft. Signal Spacing
- () 5 - RESTRICTIVE w/440 ft. Connection Spacing
- () 6 - NON-RESTRICTIVE w/1320 ft. Signal Spacing
- () 7 - BOTH MEDIAN TYPES

CRITERIA

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

POTENTIAL EXCEPTIONS AND VARIATIONS RELATED TO TYPICAL SECTION:

TYPICAL SECTION No. 3



US 98
MP 7.967 TO MP 8.727

TRAFFIC DATA

CURRENT YEAR = 2022 AADT = 4,200
 ESTIMATED OPENING YEAR = 2025 AADT = 6,200
 ESTIMATED DESIGN YEAR = 2045 AADT = 19,600
 K = 9.0% D = 56.2% T = 13.9% (24 HOUR)
 DESIGN HOUR T = 6.95%
 TARGET SPEED = 45 MPH
 DESIGN SPEED = 45 MPH
 POSTED SPEED = 45 MPH

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443368-2-22-01	4

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PROJECT CONTROLS

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

ACCESS CLASSIFICATION

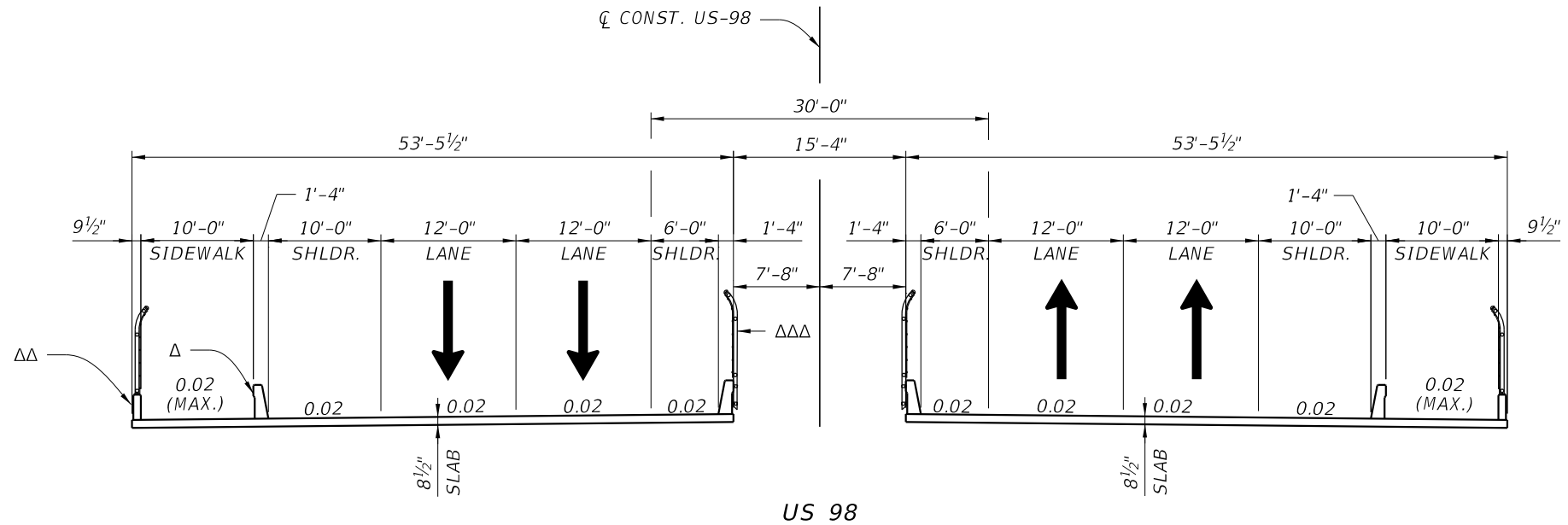
- () 1 - FREEWAY
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- (X) 3 - RESTRICTIVE w/660 ft. Connection Spacing
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- () 5 - RESTRICTIVE w/440 ft. Connection Spacing
- () 6 - NON-RESTRICTIVE w/1320 ft. Signal Spacing
- () 7 - BOTH MEDIAN TYPES

CRITERIA

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

POTENTIAL EXCEPTIONS AND VARIATIONS RELATED TO TYPICAL SECTION:

TYPICAL SECTION No. 4



US 98
BRIDGE TYPICAL SECTION
 (OVER CSX RR & OLD LAKE LAND HWY (CR 35A))
MP 5.081 - MP 5.157

- Δ 36" SINGLE-SLOPE TRAFFIC RAILING BARRIER (INDEX 521-427) (TYP.)
- ΔΔ 27" CONCRETE PARAPET WITH BRIDGE FENCING (CURVED TOP) (INDEX 521-820) & (INDEX 550-011) (TYP.)
- ΔΔΔ BRIDGE FENCING (OVER RAILROAD) (INDEX 550-013) (TYP.)

TRAFFIC DATA
(N. OF STANTON HALL)

CURRENT YEAR = 2022 AADT = 7,300
 ESTIMATED OPENING YEAR = 2025 AADT = 8,600
 ESTIMATED DESIGN YEAR = 2045 AADT = 17,600
 K = 9.0% D = 56.2% T = 23.5% (24 HOUR)
 DESIGN HOUR T = 11.75%
 TARGET SPEED = 60 MPH
 DESIGN SPEED = 60 MPH
 POSTED SPEED = 60 MPH

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FINANCIAL PROJECT ID	SHEET NO.
443368-2-22-01	5

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

HIGHWAY SYSTEM

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

ACCESS CLASSIFICATION

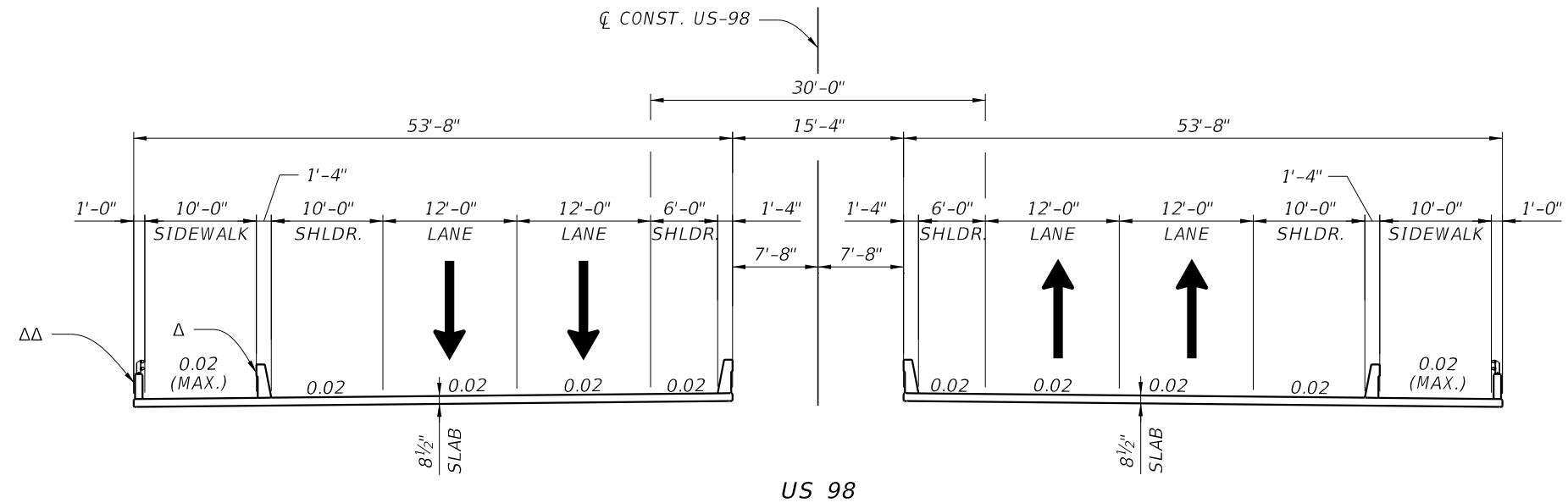
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- () 5 - RESTRICTIVE w/440 ft. Connection Spacing
- () 6 - NON-RESTRICTIVE w/1320 ft. Signal Spacing
- () 7 - BOTH MEDIAN TYPES

CRITERIA

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

POTENTIAL EXCEPTIONS AND VARIATIONS RELATED TO TYPICAL SECTION:

TYPICAL SECTION No. 5



US 98
BRIDGE TYPICAL SECTION
 (OVER HILLSBOROUGH RIVER)
 MP 1.584 TO MP 1.625

- Δ 36" SINGLE-SLOPE TRAFFIC RAILING BARRIER (INDEX 521-427) (TYP.)
- ΔΔ 27" CONCRETE PARAPET WITH BULLET RAILING (TYPE "B1") (INDEX 521-820) & (INDEX 515-022) (TYP.)

TRAFFIC DATA
(N. OF POLK COUNTY LINE)

CURRENT YEAR = 2022 AADT = 11,600
 ESTIMATED OPENING YEAR = 2025 AADT = 13,800
 ESTIMATED DESIGN YEAR = 2045 AADT = 28,500
 K = 9.0% D = 56.2% T = 23.5% (24 HOUR)
 DESIGN HOUR T = 11.75%
 TARGET SPEED = 60 MPH
 DESIGN SPEED = 60 MPH
 POSTED SPEED = 60 MPH

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443368-2-22-01	6