

An aerial photograph of a residential and commercial development. A yellow highlight is drawn over a road on the left side of the image, extending from the top to the bottom. The text is overlaid on the center of the image.

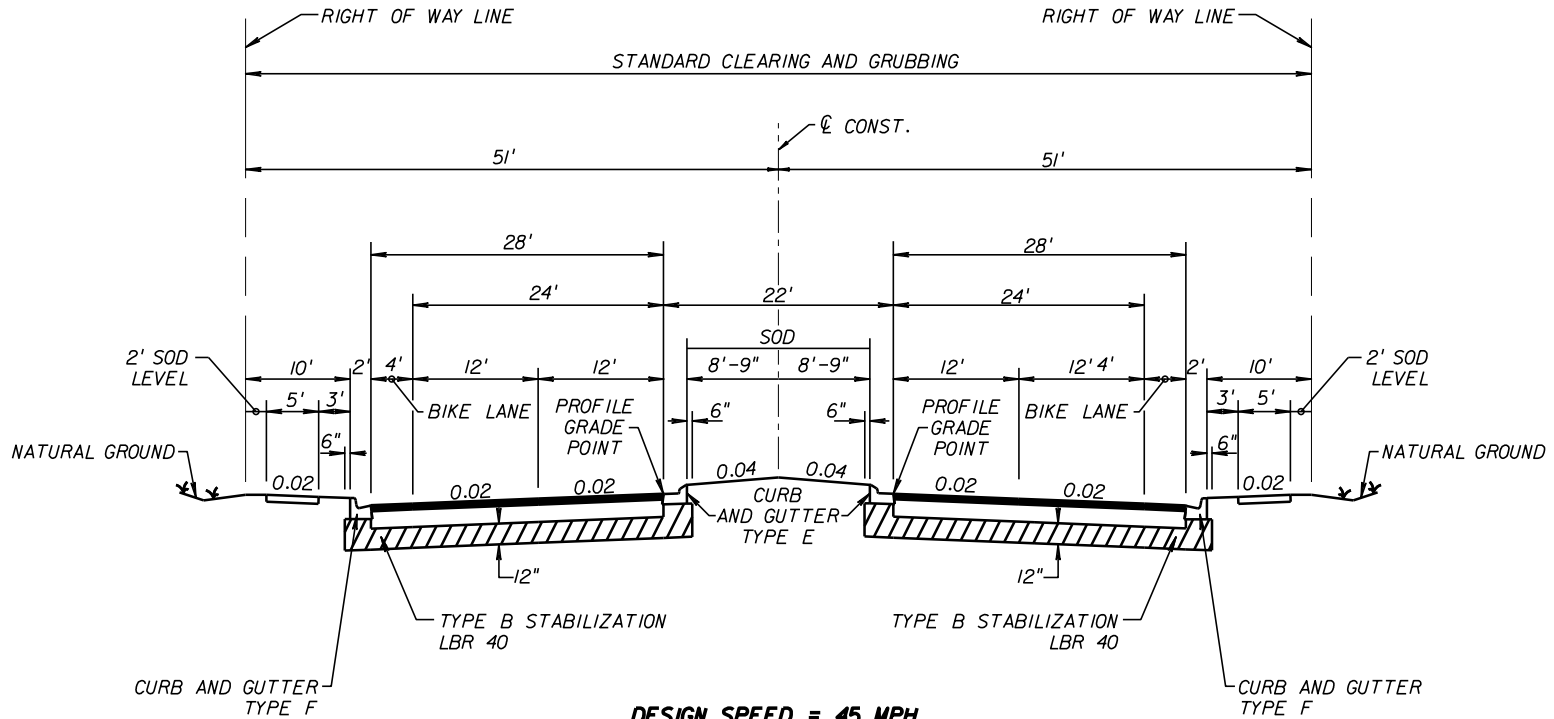
APPENDIX C

**TYPICAL SECTIONS CONSIDERED
AND
TYPICAL SECTION PACKAGE**

PROJECT IDENTIFICATION

FINANCIAL PROJECT ID _____	WORK PROGRAM ITEM _____ N/A _____	COUNTY NAME _____ BREVARD _____
STATE PROJECT NO. _____ N/A _____	ROAD DESIGNATION _____ ELLIS RD _____	LIMITS/MILEPOST _____
FEDERAL AID PROJECT NO. _____	PROJECT DESCRIPTION _____ FOUR LANE WIDENING FROM S JOHN RODES BLVD _____ TO S WICKHAM RD _____	

PROPOSED ROADWAY TYPICAL SECTION



DESIGN SPEED = 45 MPH
STA. 00+00.00 TO STA. 00+00.00

APPROVED BY	FDOT CONCURRENCE	FHWA CONCURRENCE
_____ <i>Tanya Kristoff, P.E.</i> Engineer Of Record	_____ FDOT District Design Engineer	_____ FHWA Transportation Engineer
Date _____	Date _____	Date _____

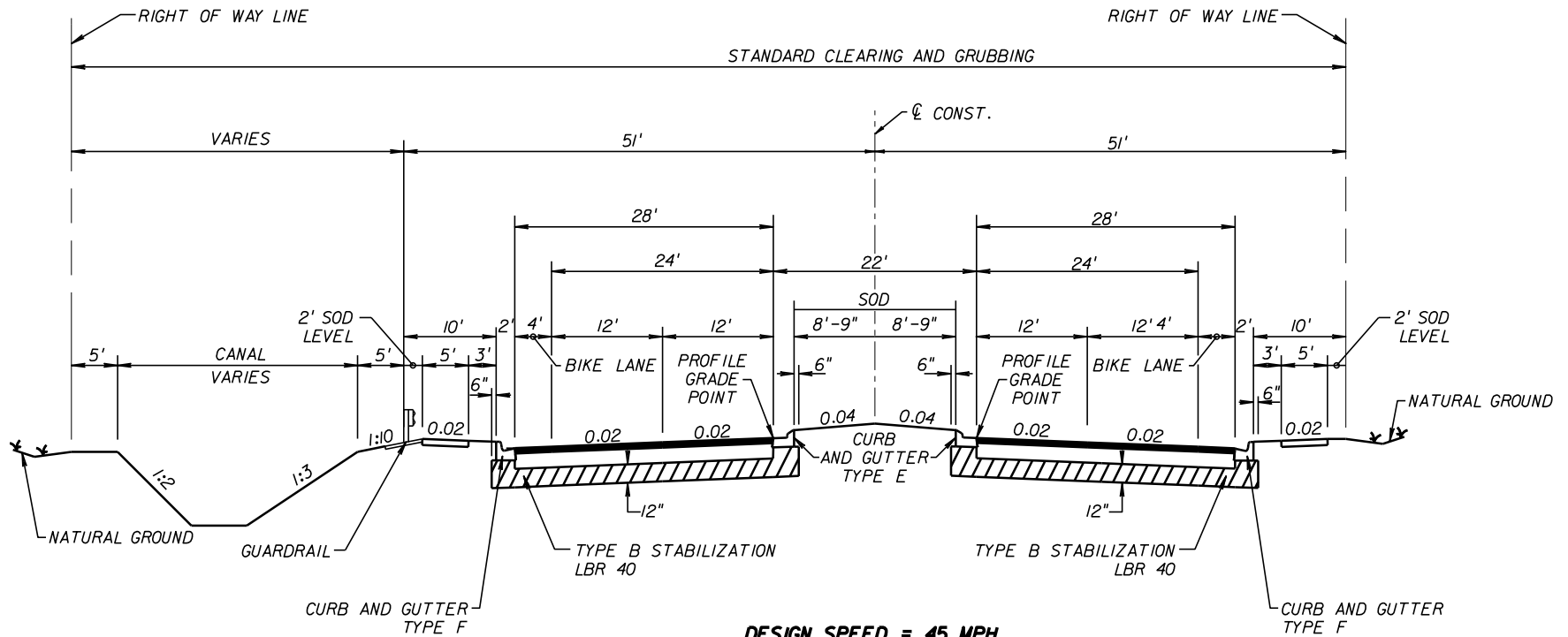
PROJECT IDENTIFICATION

FINANCIAL PROJECT ID _____
 STATE PROJECT NO. N/A
 FEDERAL AID PROJECT NO. _____

WORK PROGRAM ITEM N/A
 ROAD DESIGNATION ELLIS RD
 PROJECT DESCRIPTION FOUR LANE WIDENING FROM S JOHN RODES BLVD
 TO S WICKHAM RD

COUNTY NAME BREVARD
 LIMITS/MILEPOST _____

PROPOSED ROADWAY TYPICAL SECTION



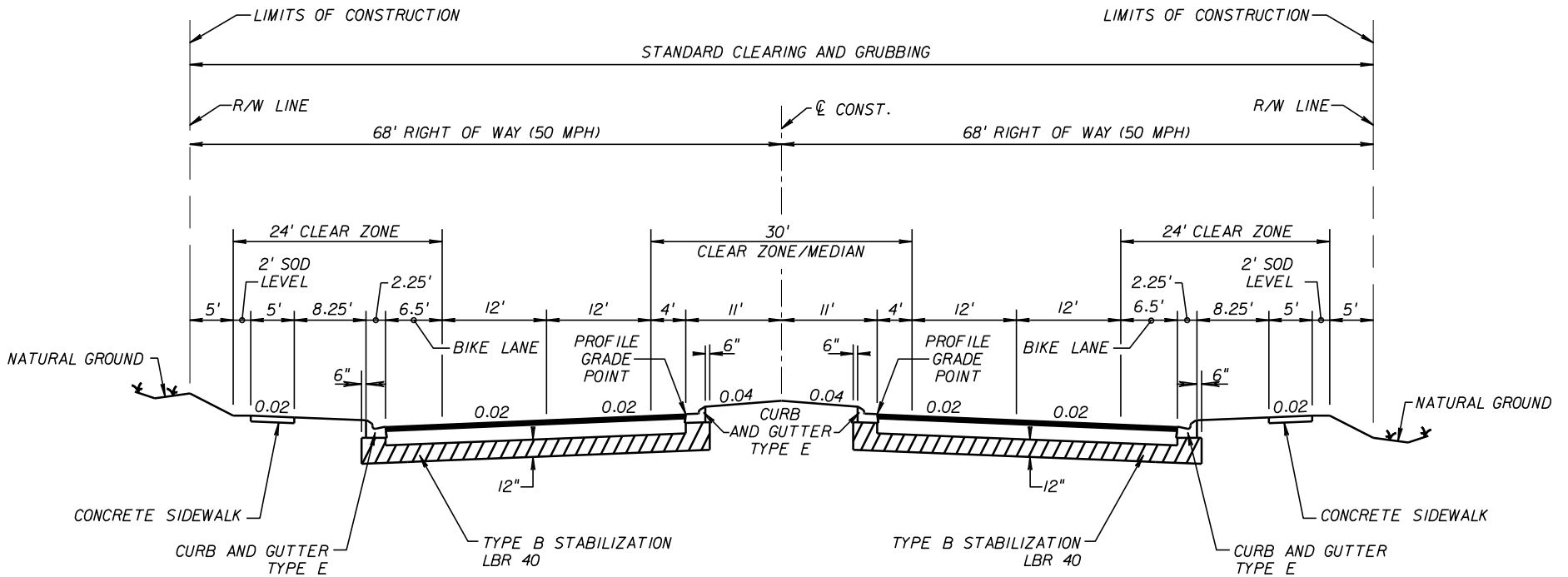
**DESIGN SPEED = 45 MPH
 STA. 00+00.00 TO STA. 00+00.00**

APPROVED BY	FDOT CONCURRENCE	FHWA CONCURRENCE
<p>_____ Tanya Kristoff, P.E. Engineer Of Record</p> <p style="text-align: right;">_____ Date</p>	<p>_____ FDOT District Design Engineer</p> <p style="text-align: right;">_____ Date</p>	<p>_____ FHWA Transportation Engineer</p> <p style="text-align: right;">_____ Date</p>

PROJECT IDENTIFICATION

FINANCIAL PROJECT ID _____	WORK PROGRAM ITEM _____ N/A _____	COUNTY NAME _____ BREVARD _____
STATE PROJECT NO. _____ N/A _____	ROAD DESIGNATION _____ ELLIS RD _____	LIMITS/MILEPOST _____
FEDERAL AID PROJECT NO. _____	PROJECT DESCRIPTION _____ FOUR LANE WIDENING FROM S JOHN RODES BLVD _____ _____ TO S WICKHAM RD _____	

PROPOSED ROADWAY TYPICAL SECTION



APPROVED BY	FDOT CONCURRENCE	FHWA CONCURRENCE
<p>_____ Tanya Kristoff, P.E. Engineer Of Record</p> <p style="text-align: right;">Date _____</p>	<p>_____ FDOT District Design Engineer</p> <p style="text-align: right;">Date _____</p>	<p>_____ FHWA Transportation Engineer</p> <p style="text-align: right;">Date _____</p>

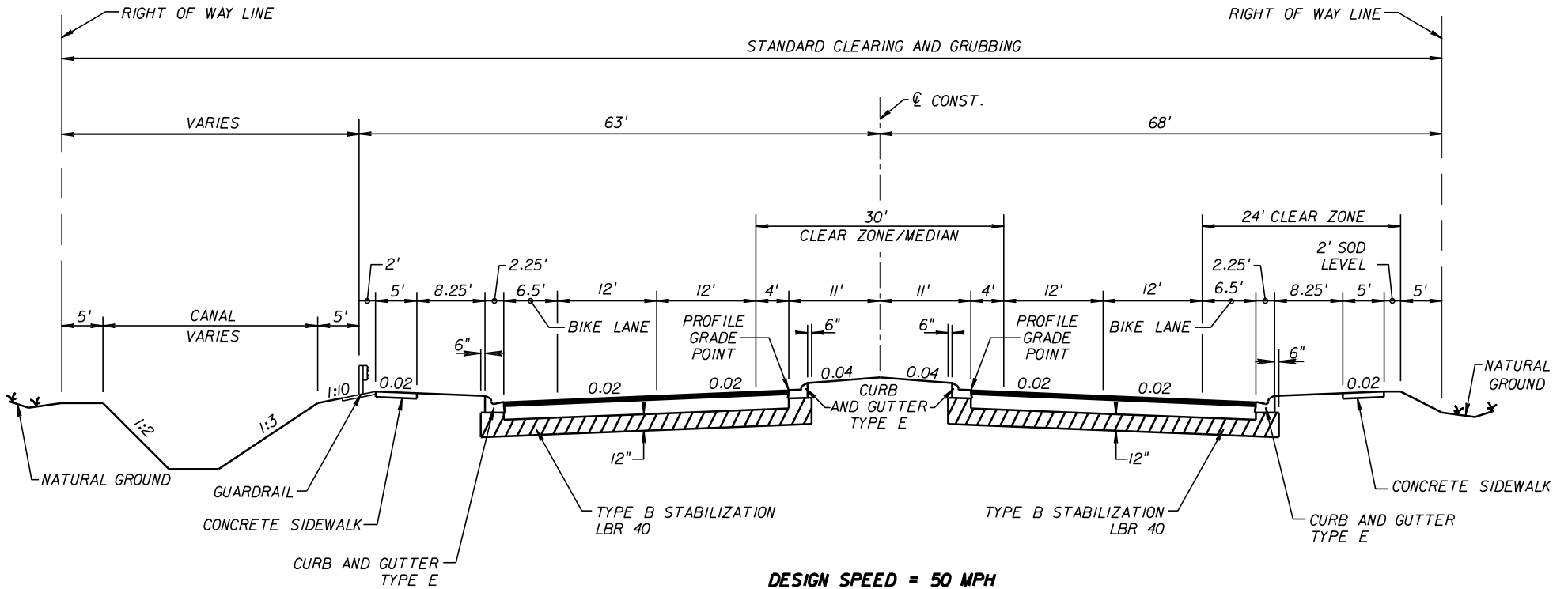
PROJECT IDENTIFICATION

FINANCIAL PROJECT ID _____
 STATE PROJECT NO. N/A
 FEDERAL AID PROJECT NO. _____

WORK PROGRAM ITEM N/A
 ROAD DESIGNATION ELLIS RD
 PROJECT DESCRIPTION FOUR LANE WIDENING FROM S JOHN RODES BLVD
 TO S WICKHAM RD

COUNTY NAME BREVARD
 LIMITS/MILEPOST _____

PROPOSED ROADWAY TYPICAL SECTION



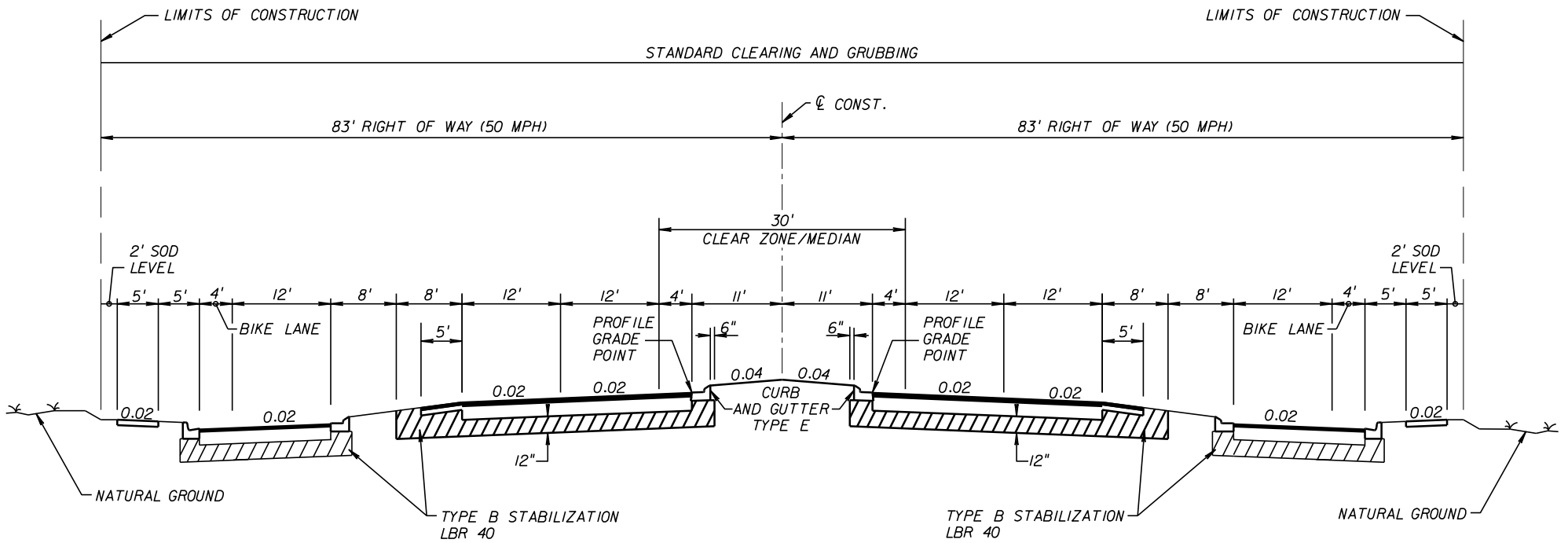
DESIGN SPEED = 50 MPH
STA. 00+00.00 TO STA. 00+00.00

APPROVED BY	FDOT CONCURRENCE	FHWA CONCURRENCE
<p>_____ Tanya Kristoff, P.E. Engineer Of Record</p> <p style="text-align: right;">Date _____</p>	<p>_____ FDOT District Design Engineer</p> <p style="text-align: right;">Date _____</p>	<p>_____ FHWA Transportation Engineer</p> <p style="text-align: right;">Date _____</p>

PROJECT IDENTIFICATION

FINANCIAL PROJECT ID _____	WORK PROGRAM ITEM _____ N/A _____	COUNTY NAME _____ BREVARD _____
STATE PROJECT NO. _____ N/A _____	ROAD DESIGNATION _____ ELLIS RD _____	LIMITS/MILEPOST _____
FEDERAL AID PROJECT NO. _____	PROJECT DESCRIPTION _____ FOUR LANE WIDENING FROM S JOHN RODES BLVD _____ _____ TO S WICKHAM RD _____	

PROPOSED ROADWAY TYPICAL SECTION

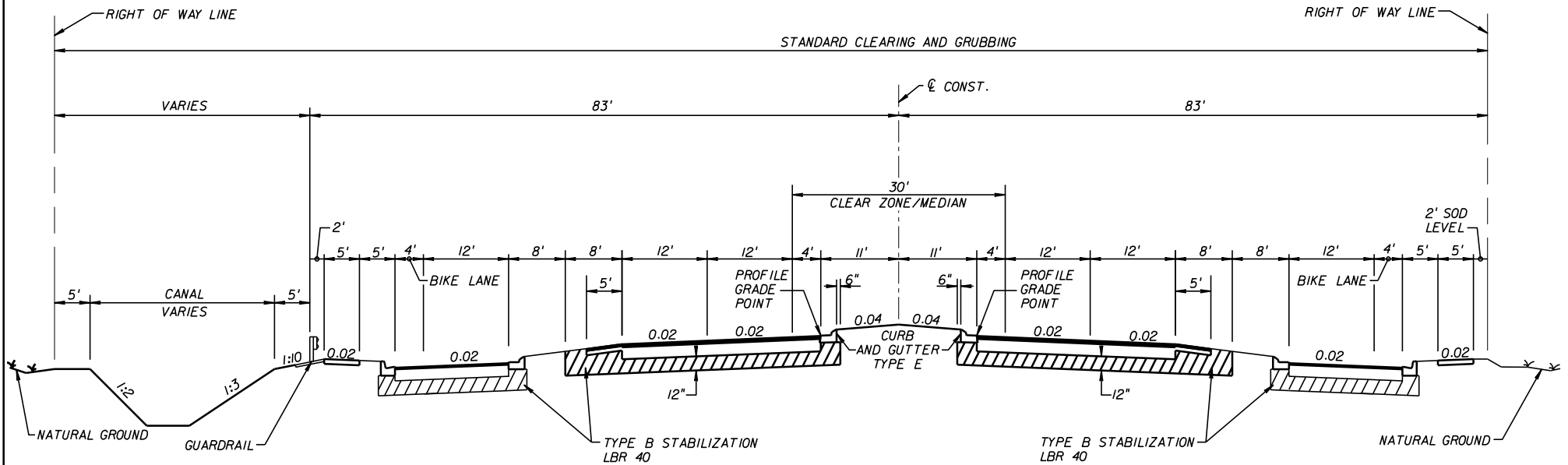


APPROVED BY	FDOT CONCURRENCE	FHWA CONCURRENCE
_____ <i>Tanya Kristoff, P.E.</i> Engineer Of Record	_____ FDOT District Design Engineer	_____ FHWA Transportation Engineer
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FEDERAL AID PROJECT NO. _____	PROJECT DESCRIPTION _____ FOUR LANE WIDENING FROM S JOHN RODES BLVD _____ TO S WICKHAM RD _____	

PROPOSED ROADWAY TYPICAL SECTION



APPROVED BY	FDOT CONCURRENCE	FHWA CONCURRENCE
_____ Tanya Kristoff, P.E. Engineer Of Record	_____ FDOT District Design Engineer	_____ FHWA Transportation Engineer
Date _____	Date _____	Date _____

An aerial photograph of a city grid. A yellow highlight is drawn across the image, showing a vertical road on the left side and a horizontal road crossing it. The text 'I-95 AT ELLIS ROAD' is centered over the intersection. The surrounding area shows a dense urban layout with buildings, streets, and some green spaces.

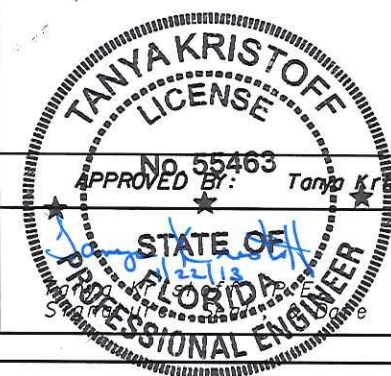
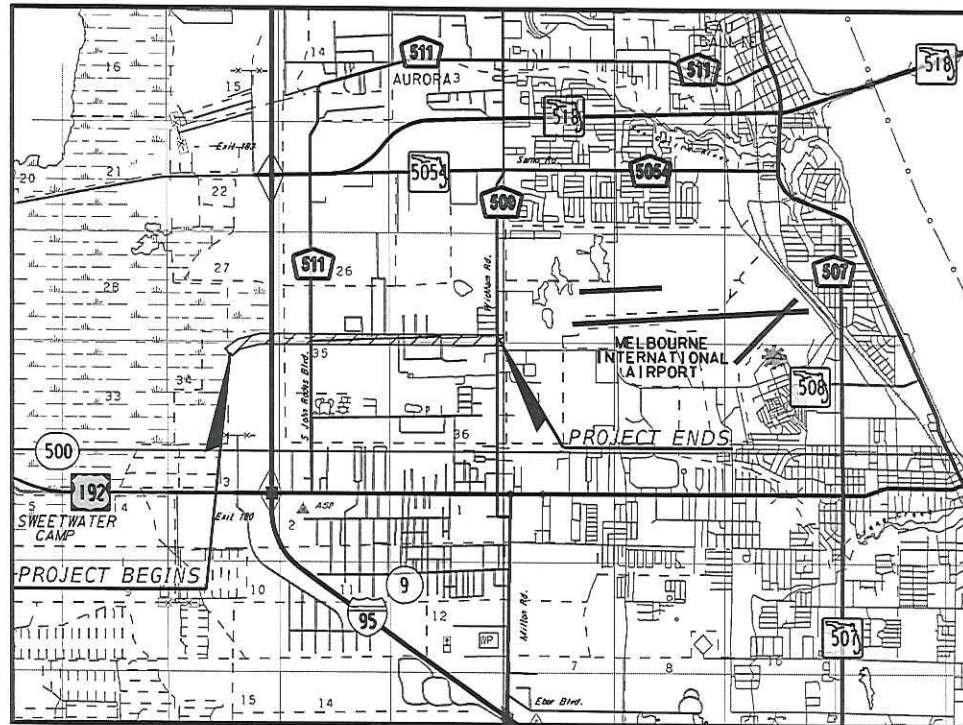
I-95 AT ELLIS ROAD

TYPICAL SECTION PACKAGE

PROJECT IDENTIFICATION

FINANCIAL PROJECT ID 426905-1-22-01 FEDERAL AID PROJECT NO. SFT1251R COUNTY NAME BREVARD
 SECTION NO. 70220 ROAD DESIGNATION ELLIS RD LIMITS/MILEPOST INTERCHANGE AT I-95 MP 22; NO MP AVAILABLE ON ELLIS RD.;
 PROJECT DESCRIPTION FOUR LANE WIDENING FROM S JOHN RODES BLVD TO S WICKHAM RD; EXTENSION TO I-95 & NEW INTERCHANGE

PROPOSED STRUCTURE TYPICAL SECTION



FDOT CONCURRENCE

FHWA CONCURRENCE

 Annette Brennan, P.E.
 FDOT District Design Engineer

_____ Date

 Phillip Bello
 FHWA Transportation Engineer

_____ Date

PROJECT IDENTIFICATION

FINANCIAL PROJECT ID 426905-1-22-01 COUNTY (SECTION) BREVARD

PROJECT DESCRIPTION FOUR LANE WIDENING FROM S JOHN RODES BLVD TO S WICKHAM RD;
EXTENSION TO I-95 & NEW INTERCHANGE

PROJECT CONTROLS

FUNCTIONAL CLASSIFICATION

- RURAL
 URBAN
 FREEWAY/EXPWY. MAJOR COLL.
 PRINCIPAL ART. MINOR COLL.
 MINOR ART. LOCAL

HIGHWAY SYSTEM

- Yes No
 NATIONAL HIGHWAY SYSTEM
 FLORIDA INTRASTATE HIGHWAY SYSTEM
 STRATEGIC INTERMODAL SYSTEM
 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
 5 - RESTRICTIVE w/440 ft. Connection Spacing
 6 - NON-RESTRICTIVE w/1320 ft. Signal Spacing
 7 - BOTH MEDIAN TYPES

TRAFFIC

	YEAR	AADT	DISTRIBUTION	
CURRENT	<u>2010</u>	<u>5900-9800</u>		
OPENING	<u>2014</u>	<u>16400-18800</u>		
DESIGN	<u>2034</u>	<u>20100-24400</u>		

NOTE: NO TRAFFIC STUDY WAS PERFORMED

DESIGN SPEED	<u>*45/50</u>	K	10.30%
POSTED SPEED	<u>45</u>	D	56.00%

*50 MPH WEST OF JOHN RODES BLVD. T_{DAILY} 4.00%
45 MPH EAST OF JOHN RODES BLVD.
DESIGN SPEED APPROVALS

CRITERIA

- NEW CONSTRUCTION / RECONSTRUCTION
 RRR INTERSTATE / FREEWAY
 RRR NON-INTERSTATE / FREEWAY
 TDLC / NEW CONSTRUCTION / RECONSTRUCTION
 TDLC / RRR
 MANUAL OF UNIFORM MINIMUM STANDARDS
(FLORIDA GREENBOOK)(OFF-STATE HIGHWAY SYSTEM ONLY)

DISTRICT DESIGN ENGINEER DATE

DISTRICT TRAFFIC OPERATIONS ENGINEER DATE

LIST ANY POTENTIAL EXCEPTIONS AND VARIATIONS RELATED TO TYPICAL SECTION ELEMENTS:

A DESIGN VARIATION IS NEEDED FOR THE ELLIS ROAD DESIGN SPEED OF 45 MPH, SINCE THE REQUIREMENT FOR SIS FACILITY IS 50 MPH. A DESIGN VARIATION IS ALSO NEEDED FOR CLASS 5 ACCESS MANAGEMENT CRITERIA, SINCE THE REQUIREMENT FOR A SIS FACILITY IS CLASS 3. A DESIGN VARIATION IS REQUIRED FOR A REDUCTION IN THE GUARDRAIL LENGTH IN THE SW QUADRANT OF THE BRIDGE APPROACH TO I-95.

LIST MAJOR STRUCTURES LOCATION/DESCRIPTION - REQUIRING INDEPENDENT STRUCTURE DESIGN:

A MAJOR BOX CULVERT, ARCH, OR STRUCTURE IS REQUIRED TO CARRY A WESTWARD EXTENSION OF ELLIS ROAD OVER THE M-ICANAL. A MAJOR STRUCTURE IS REQUIRED TO CARRY A WESTWARD EXTENSION OF ELLIS ROAD OVER I-95.

LIST MAJOR UTILITIES WITHIN PROJECT CORRIDOR:

WEST SIDE OF I-95: FLORIDA GAS TRANSMISSION (8" & 26"); FLORIDA POWER & LIGHT (DISTRIBUTION & TRANSMISSION);
ELLIS ROAD: FLORIDA GAS (4" MAIN); FLORIDA POWER & LIGHT (OVERHEAD & UNDERGROUND); LEVEL 3 COMMUNICATIONS (FIBER OPTIC); CITY OF MELBOURNE (30" WATER & 6" FM); QUEST COMMUNICATIONS (FIBER OPTIC); AT&T (OVERHEAD & BURIED); BRIGHT HOUSE NETWORKS (FIBER OPTIC); CITY OF WEST MELBOURNE (8" WATER).

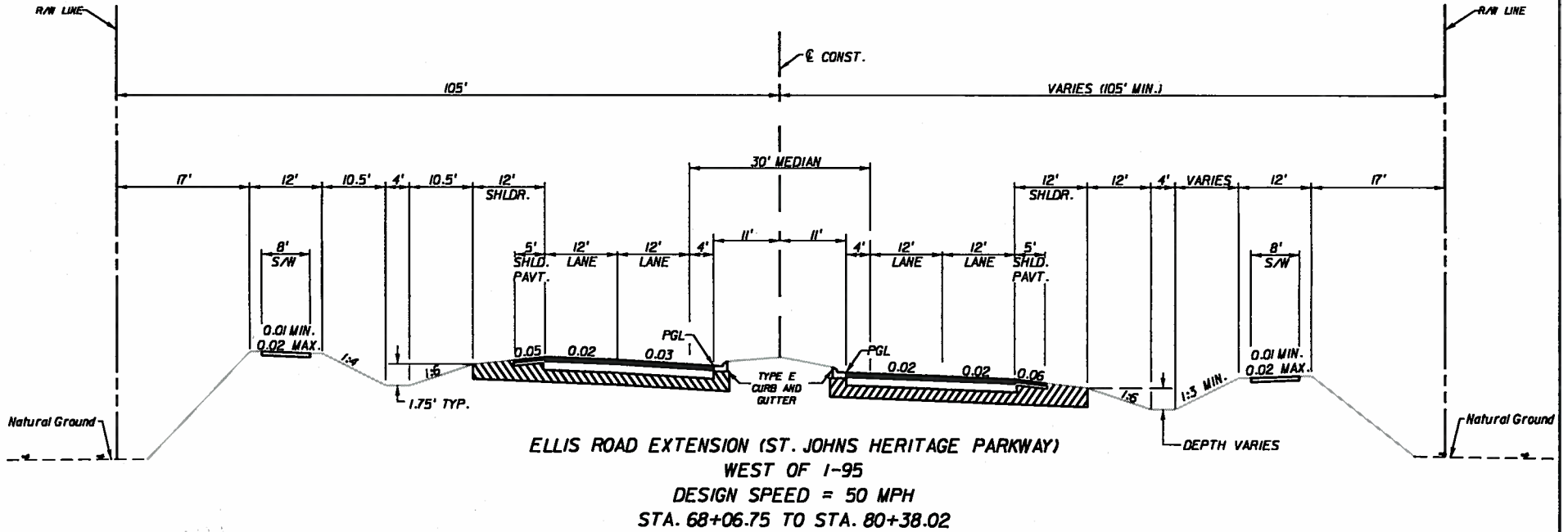
LIST OTHER INFORMATION PERTINENT TO DESIGN OF PROJECT:

THIS PROJECT WILL ALLOW ELLIS ROAD TO BE DESIGNATED AS AN SIS CONNECTOR, CONNECTING I-95 DIRECTLY TO THE MELBOURNE INTERNATIONAL AIRPORT. FDOT WILL DESIGN AND CONSTRUCT THE INTERCHANGE. BREVARD COUNTY WILL DESIGN AND CONSTRUCT THE ELLIS ROAD IMPROVEMENT.

PROJECT IDENTIFICATION

FINANCIAL PROJECT ID 426905-1-22-01 FEDERAL AID PROJECT NO. SFT1251R COUNTY NAME BREVARD
 SECTION NO. 70220 ROAD DESIGNATION ELLIS RD LIMITS/MILEPOST INTERCHANGE AT I-95 MP 22; NO MP AVAILABLE ON ELLIS RD.;
 PROJECT DESCRIPTION FOUR LANE WIDENING FROM S JOHN RODES BLVD TO S WICKHAM RD; EXTENSION TO I-95 & NEW INTERCHANGE

PROPOSED ROADWAY TYPICAL SECTION



APPROVED BY: Wayne D. Chalfoux, P.E.

FDOT CONCURRENCE

FHWA CONCURRENCE


 Wayne D. Chalfoux, P.E.
 Signature, Seal, & Date

Annette Brennan, P.E.
 FDOT District Design Engineer

Date

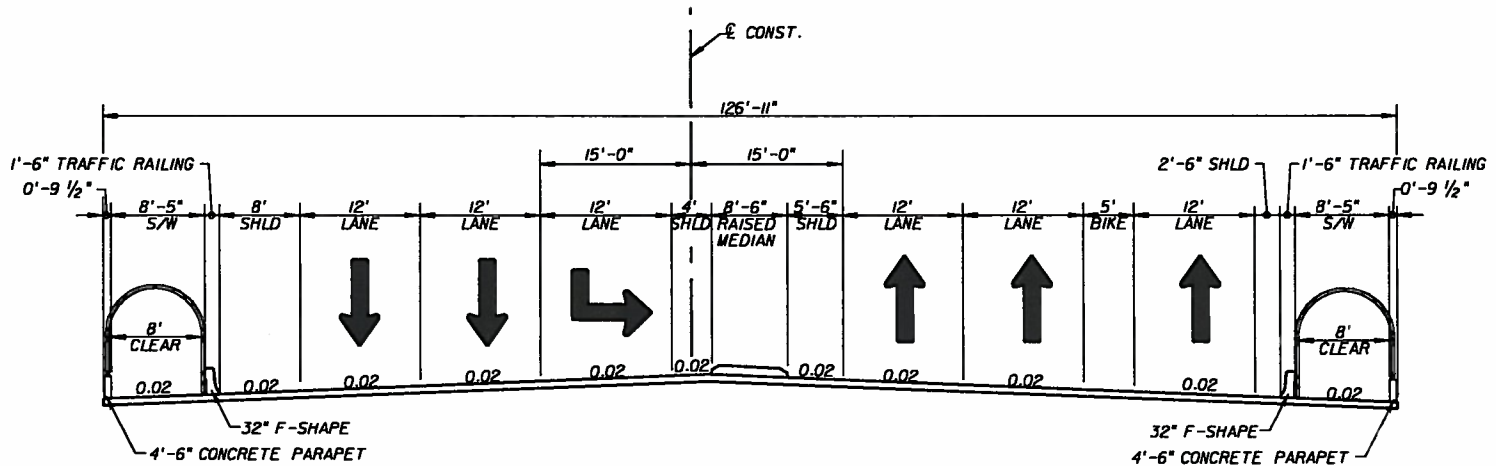
Phillip Bello
 FHWA Transportation Engineer

Date

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PROPOSED STRUCTURE TYPICAL SECTION



ELLIS ROAD EXTENSION OVER I-95
 DESIGN SPEED = 50 MPH
 STA. 80+38.02 TO STA. 82+43.51

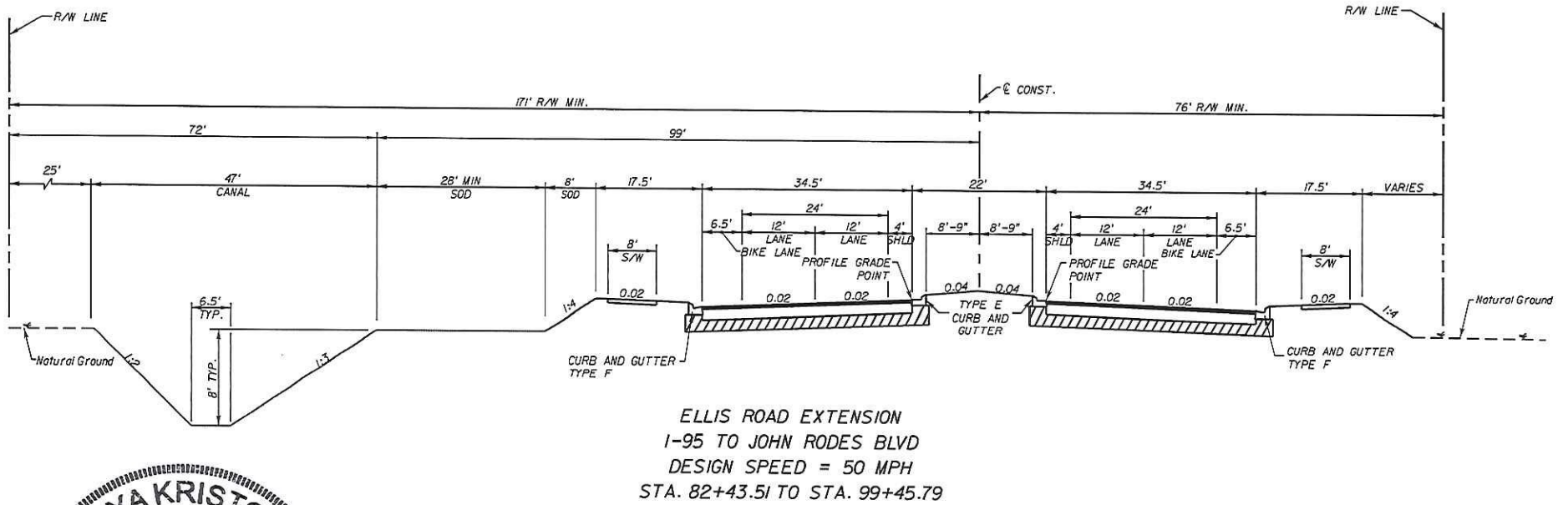
MICHAEL JOSEPH LEO
 LICENSE No. 50816
 APPROVED BY: *Michael Joseph Leo, P.E.*
 STATE OF FLORIDA
 PROFESSIONAL ENGINEER
 Signature: *Michael Joseph Leo*
 Date: *11/21/13*

	FDOT CONCURRENCE	FHWA CONCURRENCE
Annette Brennan, P.E. FDOT District Design Engineer Date _____	Phillip Bello FHWA Transportation Engineer Date _____	

PROJECT IDENTIFICATION

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PROPOSED ROADWAY TYPICAL SECTION

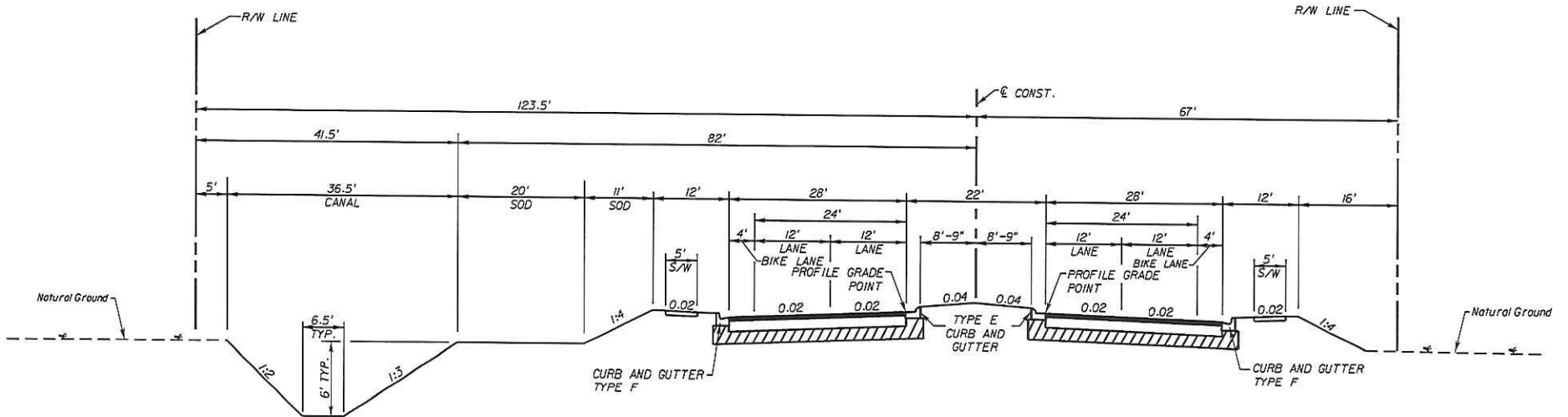


APPROVED BY: <u>Tanya Kristoff, P.E.</u> No. <u>55463</u> 11/22/13 Tanya Kristoff, P.E. Signature & Date FLORIDA PROFESSIONAL ENGINEER	FDOT CONCURRENCE _____ Annette Brennan, P.E. FDOT District Design Engineer	FHWA CONCURRENCE _____ Phillip Bello FHWA Transportation Engineer
	Date _____	Date _____

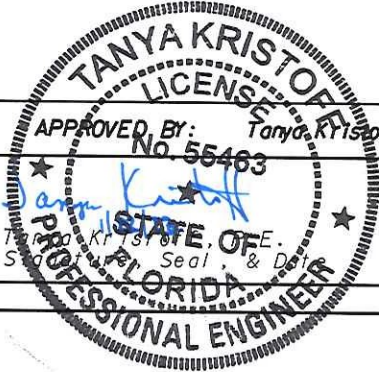
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 SECTION NO. 70220 ROAD DESIGNATION ELLIS RD LIMITS/MILEPOST INTERCHANGE AT I-95 MP 22; NO MP AVAILABLE ON ELLIS RD.;
 PROJECT DESCRIPTION FOUR LANE WIDENING FROM S JOHN RODES BLVD TO S WICKHAM RD; EXTENSION TO I-95 & NEW INTERCHANGE

PROPOSED ROADWAY TYPICAL SECTION



ELLIS ROAD
 JOHN RODES BLVD TO TECHNOLOGY DRIVE
 DESIGN SPEED = 45 MPH
 STA. 100+79.76 TO STA. 161+51.80



APPROVED BY: Tanya Kristoff, P.E.

FDOT CONCURRENCE

FHWA CONCURRENCE

Annette Brennan, P.E.
 FDOT District Design Engineer

Date _____

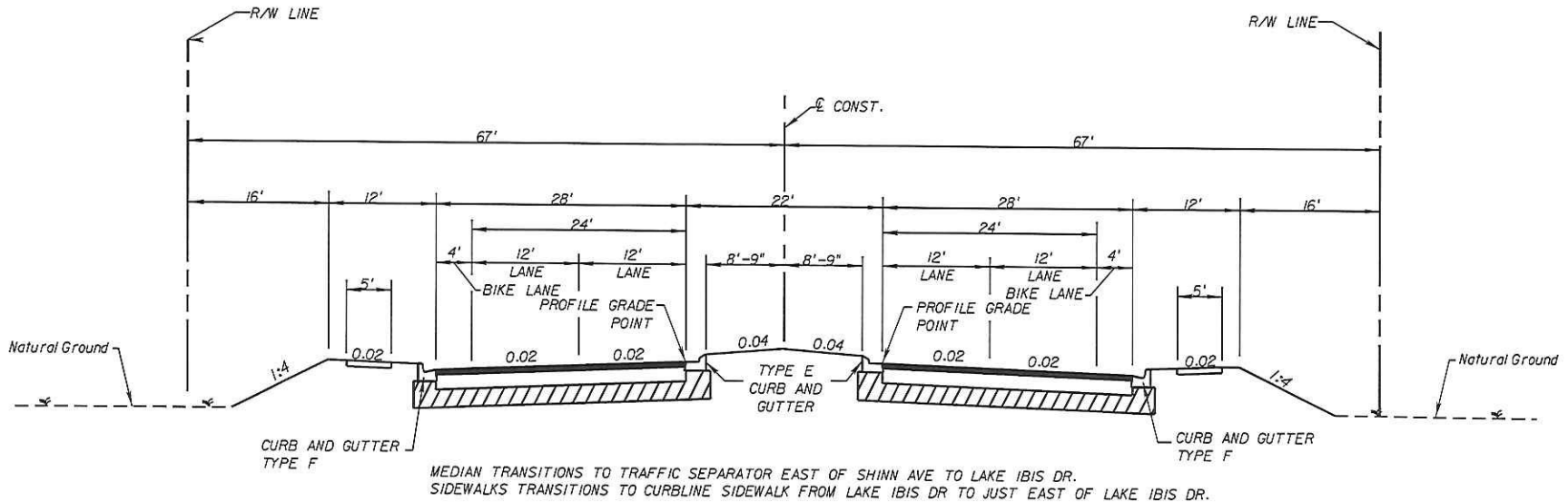
Phillip Bello
 FHWA Transportation Engineer

Date _____

PROJECT IDENTIFICATION

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PROPOSED ROADWAY TYPICAL SECTION



ELLIS ROAD
 TECHNOLOGY DRIVE TO WEST OF WICKHAM ROAD
 DESIGN SPEED = 45 MPH
 STA. 161+51.80 TO STA. 178+93.66

APPROVED BY: Tanya Kristoff, P.E.
 No. 55463

FDOT CONCURRENCE

FHWA CONCURRENCE



 Annette Brennan, P.E.
 FDOT District Design Engineer

_____ Date

 Phillip Bello
 FHWA Transportation Engineer

_____ Date