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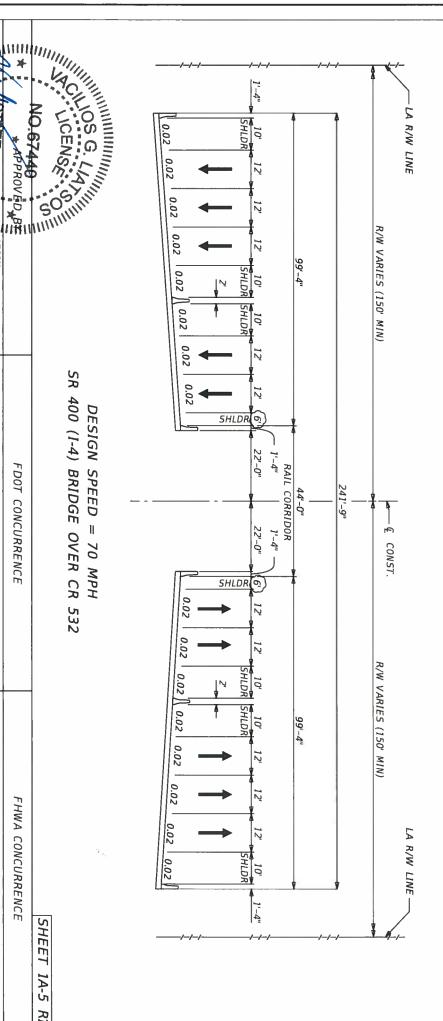
Subject	I-4 Beyond the Ultimate; Osceola Co. Typical Section Package Revisions
Date	03/21/18 NO.67448
То	Su Hao, PE; FDOT Project Manager
From	Bill Liatsos, PE
	ORID SONAL ENGINE
	Purpose: In February of 2017, a PD&E Typical Section Package was submitted properties.
Department for	or I-4 Beyond the Ultimate. The purpose of this memo is to identify revisions made to the
I-4 Reyond th	a Ultimate Typical Section Package within the Osceola County project area. Revisions

I-4 Beyond the Ultimate Typical Section Package within the Osceola County project area. Revisions and proposed typicals are listed as follows.

Sheet No.	Revisions/Updates		
1A-5 R1	The inside shoulders of I-4 over CR 532 were adjusted to 6 feet wide.		
1A-8 R1	The ramps and design speeds were updated for one lane ramps per the Line &		
	Grade typical sections.		
1A-9 R1	The ramps and design speeds were updated for two lane ramps per the Line &		
	Grade typical sections.		
1A-10A R1	A new typical section of SR 429 widening.		
1A-11A R1	A new typical section of 2 lane bridge ramp.		
1A-13 R1	The typical was modified to a 2 span bridge with a 10-foot sidewalk on the right		
	side of the pier.		
1A-16 R1	A third lane was added to the EB I-4 express lane under NB SR 429.		
1A-17 R1	A third lane was added to the EB I-4 express lane under SB SR 429.		
1A-24 R1	A third lane was added to the EB I-4 CD road. The inside shoulder of the WB I-4		
	CD road was adjusted to 8 feet wide.		
1A-25 R1	The outside curb and gutter for World Drive was replaced by a 10 foot shoulder (5		
	foot paved). The inside shoulder cross slope was adjusted to 5%.		
1A-25A R1	A new typical section of NB World Drive under EB ramp C3_WD.		
1A-27 R1	The design speed was modified to 50 MPH and the inside shoulder of SB SR 417		
	was adjusted to 8 feet wide.		
1A-29 R1	The typical was modified to show NB SR 417 widening.		
1A-39 R1	EB Osceola Pkwy. ramp was moved to the WB bridge and the outside shoulder		
	was adjusted to 7 feet wide.		
1A-40 R1	The shoulders of Osceola Pkwy. were modified to 10 feet wide.		
1A-41 R1	Bike lane on EB Osceola Pkwy. was adjusted to 4 feet wide and milling and		
	resurfacing was shown on WB Osceola Pkwy.		

PROJECT DESCRIPTION SECTION NO. FINANCIAL PROJECT ID 92130 WIDENING SR 400 (I-4) FROM WEST OF CR 532 TO WEST OF SR 435 KIRKMAN ROAD AND FROM 1 MILE EAST OF SR 434 TO 1/2 MILE EAST OF SR 472. 432100-1-22-01 ROAD DESIGNATION FEDERAL AID PROJECT NO. SR 400 (I-4) N/A COUNTY NAME LIMITS/MILEPOST MP 0.000 - 7.885 OSCEOLA

PROPOSED STRUCTURE TYPICAL SECTION



Bill.Liatsos

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MARIO BIZZIO, P.E. FDOT District Design Engineer

Date

FHWA Transportation Engineer

Date

FHWA CONCURRENCE

SHEET

1A-5 RI

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AECOM 150 N. ORANGE AVE. SUITE 200 ORLANDO, FL 32801 (407) 422-0353 CERT OF AUTH NO 8115

SR 400 (I-4) BRIDGE OVER CR 532

FDOT CONCURRENCE

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LIMITS/MILEPOST MP 0.000 - 7.885	-4)	SR 400 (I	ROAD DESIGNATION		SECTION NO. 92130	SEC1
COUNTY NAME OSCEOLA		FEDERAL AID PROJECT NO. N/A	FEDERAL AID	431456-1-32-01	FINANCIAL PROJECT ID431456	FINA
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Bill.Liatsos

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Bill.Liatsos No. 62501 STAPEOLED BY C. PROJECT DESCRIPTION SECTION NO. FINANCIAL PROJECT ID EXIST LA R/W 3/21/2018 SUITE 200 OVIEDO, FL 32765 92130 CERT OF AUTH NO 7074 3:43:37 PM WIDENING SR 400 (I-4) FROM WEST OF CR 532 TO WEST OF SR 435 KIRKMAN ROAD AND FROM 1 MILE EAST OF SR 434 TO 1/2 EAST OF SR 472 R/W VARIES (182' MIN.) 432100-1-22-01 PATRICK MUENCH, P.E. Turnpike District Design Engineer c:\pwworking\aecom_na\bliatsos\dms32929\TYPSRD_0SC_Updated.DGN FDOT TURNPIKE CONCURRENCE PROPOSED ROAD DESIGNATION FEDERAL AID PROJECT NO. PROJECT IDENTIFICATION SR 429 ROADWAY SECTION DESIGN SPEED = 70 MPH ROADWAY Date 8' SHLDR. 4' SHLDR PAVT. MARIO BIZZIO, P.E. FDOT District Design Engineer TYPICAL € CONST. SR 429 N/A 24' TO 43' MILLING AND RESURFACING WIDENING 400 (I-4) FDOT CONCURRENCE 12 SECTION 2' TO 24' WIDENING R/W VARIES (118' MIN.) Date LIMITS/MILEPOST COUNTY NAME 8' SHLDR FHWA Transportation Engineer SHOULDER GUTTER FHWA CONCURRENCE MP 0.000 -OSCEOLA SHEET 1A-10A RI 7.885 Natural Gro EXIST LA R/W Date

FINANCIAL PROJECT ID 432100-1-22-01 FEDERAL AID PROJECT NO.

COUNTY NAME OSCEOLA

SECTION NO. 92130

ROAD DESIGNATION SR 400 (1-4)

LIMITS/MILEPOST MP 0.000 - 7.885

PROJECT DESCRIPTION WIDENING SR 400 (I-4) FROM WEST OF CR 532 TO WEST OF SR 435 KIRKMAN ROAD AND

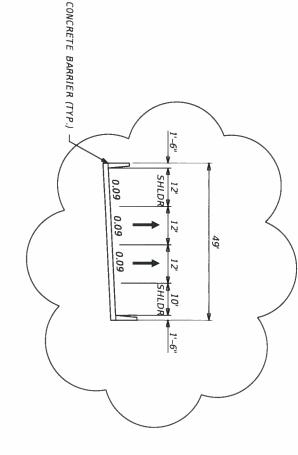
C3_WD RAMP

EB_WD TO EBCD_WD RAMP

FROM 1 MILE EAST OF SR 434 TO 1/2 EAST OF SR 472.

DESIGN SPEED (MPH) 35-50

PROPOSED STRUCTURE TYPICAL SECTION



TWO LANE BRIDGE RAMP SR 400 (I-4)

FDOT CONCURRENCE

SHEET 1A-11A R1

FHWA CONCURRENCE

NO.67440 STATE OF STONAL BY

Bill.Liatsos

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AECOM 150 N. ORANGE AVE. SUITE 200 ORLANDO, FL 32801 (407) 422-0353 CERT OF AUTH NO 8115

MARIO BIZZIO, P.E. FDOT District Design Engineer

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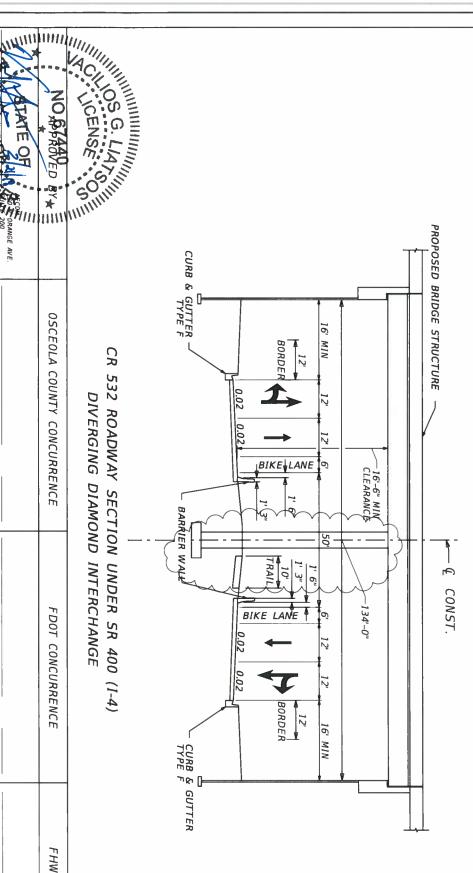
Date

FHWA Transportation Engineer

Date

FINANCIAL PROJECT ID PROJECT DESCRIPTION SECTION NO. 92130 WIDENING SR 400 (1-4) FROM WEST OF CR 532 TO WEST OF FROM I MILE EAST OF SR 434 TO 1/2 EAST OF SR 472. 432100-1-22-01 ROAD DESIGNATION FEDERAL AID PROJECT NO. SR 400 (I-4) N/A SR 435 KIRKMAN ROAD AND LIMITS/MILEPOST COUNTY NAME MP 0.000 - 7.885 OSCEOLA

PROPOSED ROADWAY TYPICAL SECTION



Bill.Liatsos

SHONAL ENGINEER OF AUTH NO B115 L

PORANGE AVE

FRANK RAYMOND, P.E. Director of Public Works

Date

MARIO BIZZIO, P.E. FDOT District Design Engineer

Date

FHWA Transportation Engineer

Date

OSCEOLA COUNTY CONCURRENCE

FDOT CONCURRENCE

FHWA CONCURRENCE

SHEET

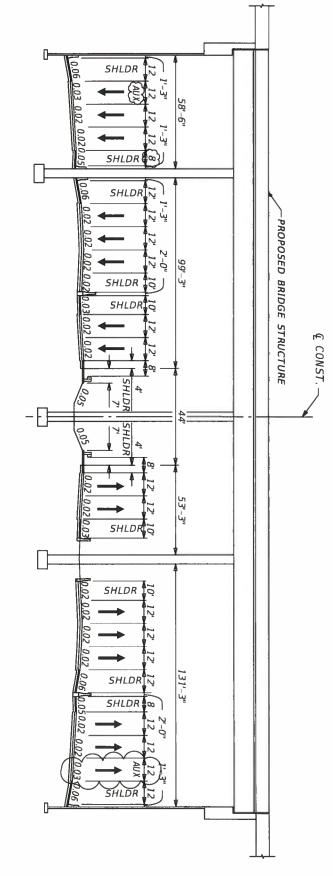
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NO.67440 Bill.Liat sos SSIONAL ENGLISHE PROJECT DESCRIPTION FINANCIAL PROJECT ID. SECTION NO. SHLDR TATE OF APPROVEDEBY 75280 **EXISTING PIER** 12 3:43:38 PM EXISTING BRIDGE STRUCTURE WIDENING SR 400 (I-4) FROM WEST OF SR 25/US 27 TO WEST OF SR 435 KIRKMAN ROAD AND FROM 1 MILE EAST OF SR 434 TO 1/2 MILE EAST OF SR 472. 12 AECOM 150 N. ORANGE AVE. SUITE 200 ORLANDO, FL 32801 (407) 422-0353 432100-1-22-01 CERT OF AUTH NO 8115 128'-0" c:\pwworking\aecom_na\bliatsos\dms32929\TYPSRD_0SC_Updated.DGN DOUBLE FACED GUARDRAIL 0.02 SR 400 (I-4) UNDER SR 429 NORTHBOUND RAMP 12 PROPOSED ROADWAY TYPICAL SECTION 12 ROAD DESIGNATION FEDERAL AID PROJECT NO. MARIO BIZZIO, P.E. FDOT District Design Engineer DESIGN SPEED PROJECT IDENTIFICATION SHLDR SHLDR FD0T CONCURRENCE SHLDR € CONST II 70 MPH 23'-6" MIN. VERTICAL CLEARANCE **EXISTING PIER** SR 400 (1-4) N/A 2" MISC. ASPHALT PAVT Date SHLD Q COUNTY NAME LIMITS/MILEPOST FHWA Transportation Engineer **EXISTING PIER** FHWA CONCURRENCE 12 MP 0.000 - 0.559 OSCEOLA SHLDR SHLDR 28 10 SHEET Date 1A-16 RI

NO.67440 Bill Liatsos FINANCIAL PROJECT ID THUMHHAMER WASH PROJECT DESCRIPTION SECTION NO. SHLDR 7 75280 **EXISTING PIER** 7 3:43:39 PM **EXISTING BRIDGE STRUCTURE** WIDENING SR 400 (1-4) FROM WEST OF SR 25/US 27 TO WEST OF SR 435 KIRKMAN ROAD AND FROM 1 MILE EAST OF SR 434 TO 1/2 MILE EAST OF SR 472. 12 432100-1-22-01 ORLANDO, FL 32801 (407) 422-0353 CERT OF AUTH NO 8115 AECOM 150 N. ORANGE AVE SUITE 200 0.02 SR 400 (I-4) UNDER SR 429 SOUTHBOUND TO EASTBOUND I-4 128'-0" c:\pwworking\aecom_na\bliatsos\dms32929\TYPSRD_0SC_Updated.DGN SHLDF DOUBLE FACED -GUARDRAIL 10 12 PROPOSED ROADWAY TYPICAL SECTION 7 ROAD DESIGNATION FEDERAL AID PROJECT NO. MARIO BIZZIO, P.E. FDOT District Design Engineer DESIGN SPEED = PROJECT IDENTIFICATION SHLDR FD0T CONCURRENCE SHLDR @ CONST σõ 70 MPH 23'-6" MIN. VERTICAL CLEARANCE **EXISTING PIER** SR 400 (1-4) N/A 2" MISC. ASPHALT PAVT. Date 12 SHLD COUNTY NAME IQ LIMITS/MILEPOST FHWA Transportation Engineer **EXISTING PIER** FHWA CONCURRENCE 12 MP 0.000 - 0.559 12 OSCEOLA SHLDR SHLDR 28 SHEET ą Date 1A-17 R

PROJECT DESCRIPTION __ SECTION NO. FINANCIAL PROJECT ID. 92130 WIDENING SR 400 (1-4) FROM WEST OF CR 532 TO WEST OF SR 435 KIRKMAN ROAD AND FROM 1 MILE EAST OF SR 434 TO 1/2 EAST OF SR 472 432100-1-22-01 ROAD DESIGNATION FEDERAL AID PROJECT NO. SR 400 (1-4) N/A LIMITS/MILEPOST MP 0.000 - 7.885 COUNTY NAME OSCEOLA

PROPOSED ROADWAY TYPICAL SECTION



SR 400 (I-4) UNDER EASTBOUND AND WESTBOUND WORLD DRIVE DESIGN SPEED = 70 MPH

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	FHWA Transportation Engineer Date		FHWA CONCURRENCE	RLD DRIVE SHEET 1A-24 RI

NO.67440 PROJECT DESCRIPTION WIDENING SR 400 (I-4) FROM WEST OF CR 532 TO WEST OF SR 435 KIRKMAN ROAD AND FINANCIAL PROJECT ID. SECTION NO. Natural Ground R/W LINE 92130 * Winder ave FROM 1 MILE EAST OF SR 434 TO 1/2 EAST OF SR 472 432100-1-22-01 R/W VARIES (100' MIN) SHLDR 0.06 OSCEOLA COUNTY CONCURRENCE PROPOSED ROADWAY TYPICAL SECTION ROAD DESIGNATION FEDERAL AID PROJECT NO. SHLDR WORLD DRIVE ROADWAY SECTION PROJECT IDENTIFICATION DESIGN SPEED = 40 MPH € CONST. SR 400 (1-4) N/A 1:6 FDOT CONCURRENCE SHLDI R/W VARIES (112' MIN) SHLDR 5' COUNTY NAME LIMITS/MILEPOST MP 0.000 - 7.885 OSCEOLA FHWA CONCURRENCE R/W LINE Natural Ground SHEET 1A-25 RI

Bill.Liatsos

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CHINDINAL ENGRADOR FL 32801

LINE OF AUTH NO 8115

FRANK RAYMOND, P.E. Director of Public Works

Date

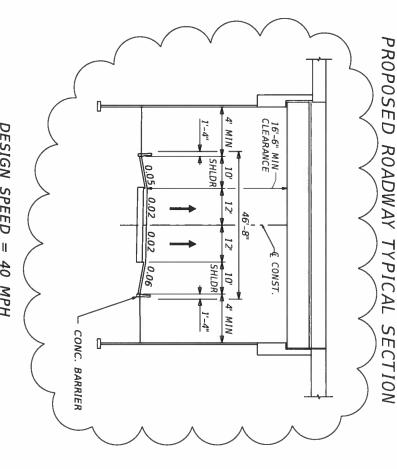
MARIO BIZZIO, P.E. FDOT District Design Engineer

Date

FHWA Transportation Engineer

Date

PROJECT DESCRIPTION WIDENING SR 400 (1-4) FROM WEST OF CR 532 TO WEST OF SR 435 KIRKMAN ROAD AND SECTION NO. FINANCIAL PROJECT ID. 92130 FROM 1 MILE EAST OF SR 434 TO 1/2 EAST OF SR 472. 432100-1-22-01 ROAD DESIGNATION FEDERAL AID PROJECT NO. SR 400 (1-4) N/A LIMITS/MILEPOST MP 0.000 - 7.885 COUNTY NAME OSCEOLA



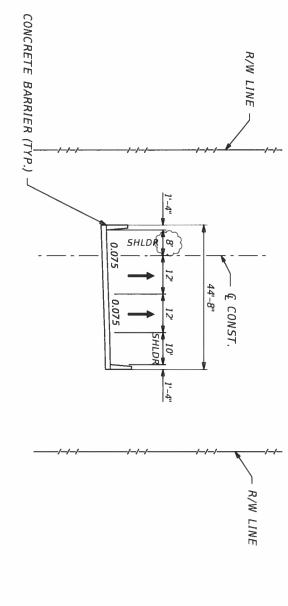
WORLD DRIVE WESTBOUND SECTION UNDER RAMP C3_WD DESIGN SPEED = 40 MPH

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ed.DGN	MARIO BIZZIO, P.E. FDOT District Design Engineer	FDOT CONCURRENCE	ECTION UNDER RAMP C3_WD
l l	FHWA Transportation Engineer Date	FHWA CONCURRENCE	SHEET IA-25A RI

FINANCIAL PROJECT ID PROJECT DESCRIPTION SECTION NO. 92130 WIDENING SR 400 (I-4) FROM WEST OF CR 532 TO WEST OF SR 435 KIRKMAN ROAD AND 432100-1-22-01 ROAD DESIGNATION FEDERAL AID PROJECT NO. SR 400 (I-4) N/A COUNTY NAME LIMITS/MILEPOST MP 0.000 - 7.885 OSCEOLA

PROPOSED STRUCTURE TYPICAL SECTION

FROM 1 MILE EAST OF SR 434 TO 1/2 EAST OF SR 472.



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SR 417 SOUTHBOUND BRIDGE SECTION DESIGN SPEED = 50 MPH

FDOT CONCURRENCE FHWA CONCURRENCE

SHEET

c:\pwworking\aecom_na\bliatsos\dms32929\TYPSRD_0SC_Updated.DGN MARIO BIZZIO, P.E. FDOT District Design Engineer

Date

Bill.Liatsos

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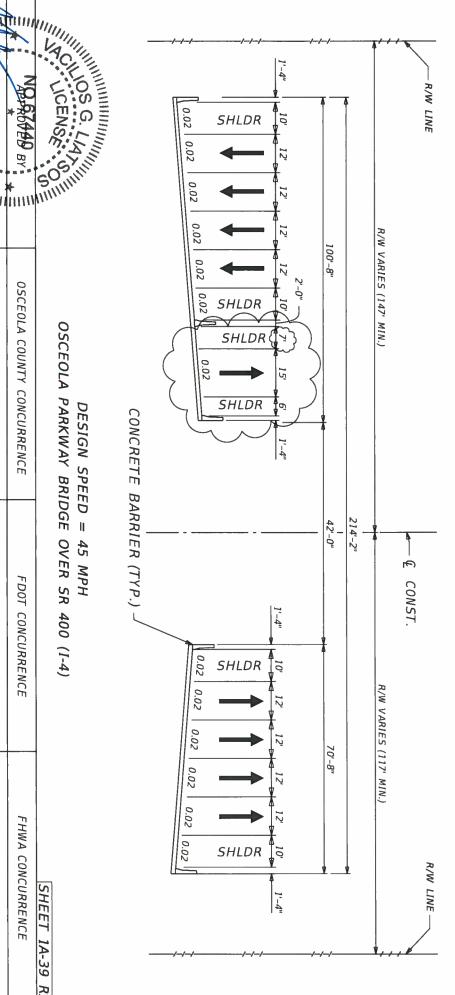
FHWA Transportation Engineer

Date

VACILIANDE SUTE CON ORLANDE AVE. SUITE 200 VACILIANDO, FL 32801 (407) 422-0353 CERT OF AUTH NO 8115 SULLIANSOS SULLIANSOS SULLIANSOS SULLIANSOS SULLIANSOS AECOM AECOM 2150 N. ORANGE AVE. 2150 N. O NO.67440 APPROVED BY PROJECT DESCRIPTION _WIDENING SR 400 (1-4) FROM WEST OF CR 532 TO WEST OF SR 435 KIRKMAN ROAD AND FINANCIAL PROJECT ID. SECTION NO. LA R/W LINE 92130 FROM 1 MILE EAST OF SR 434 TO 1/2 EAST OF SR 472. 432100-1-22-01 SHLDI c:\pwworking\aecom_na\bliatsos\dms32929\TYPSRD_OSC_Updated.DGN 46'-8" PROPOSED STRUCTÜRE TYPICAL SECTION SR 417 0.075 0.075 CONCRETE BARRIER (TYP.) -SHLDF _NNORTHBOUND BRIDGE WIDENING SECTION ROAD DESIGNATION FEDERAL AID PROJECT NO. MARIO BIZZIO, P.E. FDOT District Design Engineer PROJECT IDENTIFICATION 1'-4" DESIGN SPEED = 50 MPHFDOT CONCURRENCE SR 400 (1-4) N/A SHLDI Ō Date 0.075 0.075 COUNTY NAME SHLDR LIMITS/MILEPOST FHWA Transportation Engineer Q LA R/W LINE € CONST. 1'-4" FHWA CONCURRENCE MP 0.000 - 7.885 OSCEOLA SHEET Date 1A-29 R1

PROJECT DESCRIPTION WIDENING SR 400 (1-4) FROM WEST OF CR 532 TO WEST OF SR 435 KIRKMAN ROAD AND FINANCIAL PROJECT ID SECTION NO. FROM 1 MILE EAST OF SR 434 TO 1/2 EAST OF SR 472. 432100-1-22-01 ROAD DESIGNATION FEDERAL AID PROJECT NO. PROJECT IDENTIFICATION SR 400 (I-4) N/A LIMITS/MILEPOST COUNTY NAME MP 0.000 - 7.885 OSCEOLA

PROPOSED STRUCTURE TYPICAL SECTION



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NAMGE AVE

FRANK RAYMOND, P.E. Director of Public Works

Date

MARIO BIZZIO, P.E. FDOT District Design Engineer

Date

FHWA Transportation Engineer

Date

OSCEOLA COUNTY CONCURRENCE

FDOT CONCURRENCE

FHWA CONCURRENCE

SHEET 1A-39 RI

OSCEOLA PARKWAY BRIDGE OVER SR 400 (I-4)

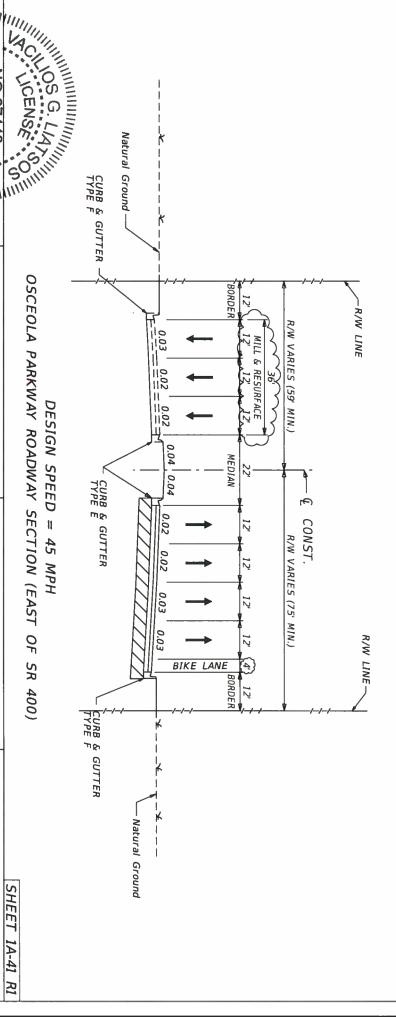
DESIGN SPEED =

45 MPH

NO BLAND OF BIII.Liatsos R/W LINE-PROJECT DESCRIPTION SECTION NO. FINANCIAL PROJECT ID. HILLIHHHAMANAS SAME NO 8115 L N. GONGE AVE. WIDENING SR 400 (1-4) FROM WEST OF CR 532 TO WEST OF SR 435 KIRKMAN ROAD AND FROM 1 MILE EAST OF SR 434 TO 1/2 EAST OF SR 472. 432100-1-22-01 R/W VARIES (115' MIN.) FRANK RAYMOND, P.E. Director of Public Works c:\pwworking\aecom_na\bliatsos\dms32929\TYP5RD_05C_Updated.DGN OSCEOLA PARKWAY ROADWAY SECTION (WEST OSCEOLA COUNTY CONCURRENCE 0.06 | 0.03 10' PROPOSED ROADWAY TYPICAL SECTION 72 ROAD DESIGNATION FEDERAL AID PROJECT NO. 0.02 12 36 PROJECT IDENTIFICATION DESIGN SPEED = 45 MPH0.02 SHLDK Date 10' MARIO BIZZIO, P.E. FDOT District Design Engineer € CONST. 10' SR 400 (1-4) N/A 0.02 12 FDOT CONCURRENCE 0.02 12 36 R/W VARIES (135' MIN.) QF SR 400) SHLDR Date LIMITS/MILEPOST COUNTY NAME FHWA Transportation Engineer MP 0.000 - 7.885 FHWA CONCURRENCE OSCEOLA Natural Ground SHEET 1A-40 RI R/W LINE Date

PROJECT DESCRIPTION __WIDENING SR 400 (1-4) FROM WEST OF CR 532 TO WEST OF SR 435 KIRKMAN ROAD AND FINANCIAL PROJECT ID. SECTION NO. FROM 1 MILE EAST OF SR 434 TO 1/2 EAST OF SR 472 432100-1-22-01 ROAD DESIGNATION FEDERAL AID PROJECT NO. SR 400 (I-4) N/A LIMITS/MILEPOST COUNTY NAME MP 0.000 - 7.885 OSCEOLA

PROPOSED ROADWAY TYPICAL SECTION



Bill.Liatsos

FRANK RAYMOND, P.E.
Director of Public Works

MARIO BIZZIO, P.E. FDOT District Design Engineer

Date

FHWA Transportation Engineer

Date

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COM JANGE AVE.

OSCEOLA COUNTY CONCURRENCE

FDOT CONCURRENCE

FHWA CONCURRENCE