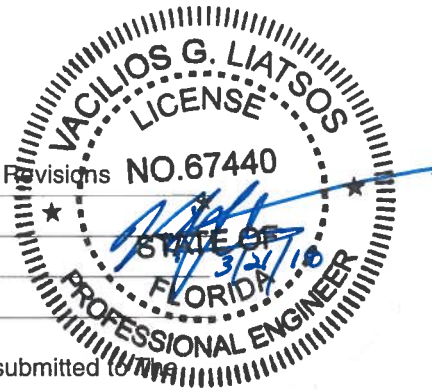


**AECOM**  
Memorandum

AECOM 407 422 0353 tel  
315 East Robinson St; Ste 245 407 423 2695 fax  
Orlando, FL 32801  
www.aecom.com



Subject I-4 Beyond the Ultimate; Orange Co. Typical Section Package Revisions  
Date 03/21/18  
To Su Hao, PE; FDOT Project Manager  
From Bill Liatsos, PE

**Background/Purpose:** In February of 2017, a PD&E Typical Section Package was submitted to the Department for I-4 Beyond the Ultimate. The purpose of this memo is to identify revisions made to the I-4 Beyond the Ultimate Typical Section Package within the Orange County project area. Revisions and proposed typicals are listed as follows.

Sheet No.	Revisions/Updates
1B-3 R1	Updated the station limits using PD&E Stationing, to omit the portion of I-4 that is covered by the new typical section Sheet 1B-3A R1 and Sheet 1B-5A R1.
1B-3A R1	A new section was developed to show the omitted station range from Sheet 1B-3 R1. It shows EB GUL on fill and 2-lane CD's on both EB and WB through the SR 536 interchange.
1B-5 R1	The section was revised to separate the DCP ramp and the EB GUL onto their own hammerhead piers.
1B-5A R1	A new section was developed (similar to Sheet 1B-3A R1) to show the WBCD, WB GUL on fill, and EB off ramp B_CFP.
1B-6 R1	The section was revised to show the EB GUL and the EB XL on a single structure.
1B-8 R1	The ramps, design speeds and movement descriptions in the typical section were updated based on the Line & Grade typical sections.
1B-9 R1	The ramps, design speeds and movement descriptions in the typical section were updated based on the Line & Grade typical sections.
1B-10 R1	The ramps, design speeds and movement descriptions in the typical section were updated based on the Line & Grade typical sections.
1B-11 R1	The ramps, design speeds and movement descriptions in the typical section were updated based on the Line & Grade typical sections.
1B-12 R1	The ramps, design speeds and movement descriptions in the typical section were updated based on the Line & Grade typical sections.
1B-17 R1	The inside CD shoulders (EB and WB) were reduced to an 8-foot width. The outside CD lanes (EB and WB) were labeled as "AUX".
1B-24 R1	The section was revised to a single span bridge, the median width was reduced to 30-feet, and the bike lane was removed in the SB direction and replaced with a 10-foot Multi-Use Trail.
1B-25 R1	The bike lane in the SB direction was removed and replaced with a 10-foot Multi-Use Trail. The inside barrier wall was removed on SB lefts and replaced with curb & gutter.
1B-26 R1	The NB and SB sidewalks were revised to 10-foot Multi-Use Trails. The SB turn lane was revised to a 3.5% slope.

1B-28 R1	An additional 11-foot lane was added to the inside. The outside lane was labeled as "AUX".
1B-29 R1	The right sidewalk was adjusted to a 10-foot Multi-Use Trail. The left sidewalk was removed. Both sides have a 16-foot minimum from the curb & gutter.
1B-30 R1	The right sidewalk was adjusted to a 10-foot Multi-Use Trail, with 4 feet between the curb & gutter and the trail. The left sidewalk was removed.
1B-31 R1	The outside shoulder on the elevated turn lanes was adjusted to a 6-foot width.
1B-44 R1	The section was revised to match the Interim DCP typical. This includes 12-foot lanes, 4-foot inside bike lanes, 5-foot inside shoulders, and ±10.3-foot outside shoulders.

## PROJECT IDENTIFICATION

FINANCIAL PROJECT ID 432100-1-22-01

FEDERAL AID PROJECT NO. N/A

COUNTY NAME ORANGE

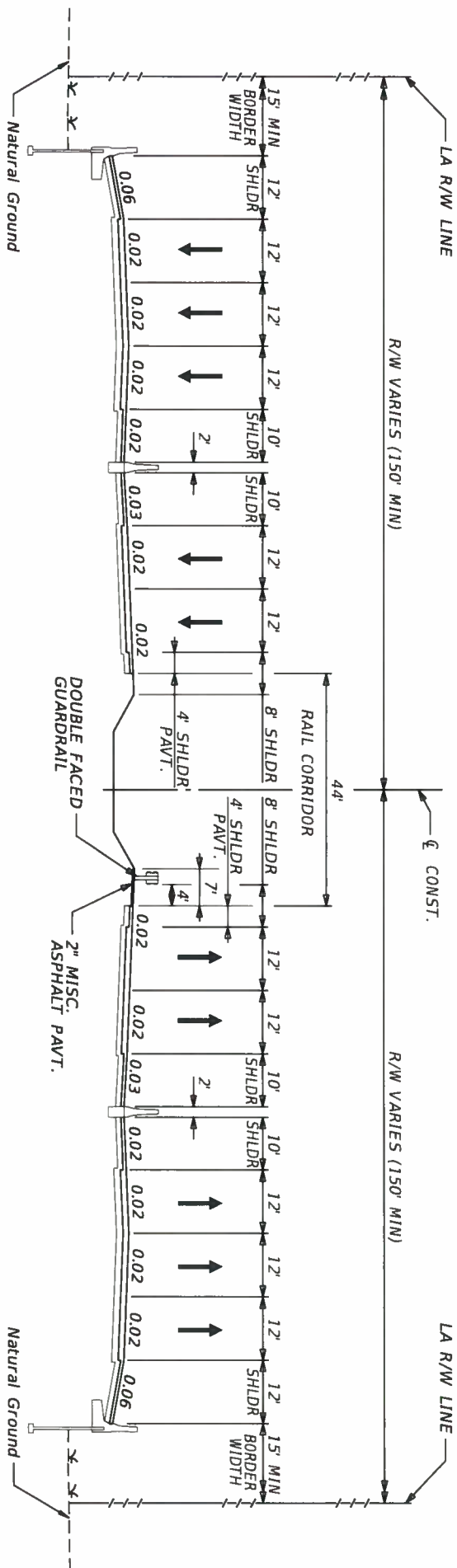
SECTION NO. 75280ROAD DESIGNATION SR 400 (I-4)

LIMITS/MILEPOST MP 0.000 - 9.528

### PROJECT DESCRIPTION

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 MILE EAST OF SR 472.

# PROPOSED ROADWAY TYPICAL SECTION



DESIGN SPEED = 70 MPH

SR 400 (H-4) WITH RAIL CORRIDOR  
STA 1042+95.00 TO STA 1095+00.00

**SHEET 1B-3 R1**

FDOT CONCURRENCE

FHWA CONCURRENCE

NO. 67440

APPROVED

STATE OF

**AECOM**  
150 N ORANGE AVE

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1

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12

VALENTIN, VICTOR  
Engineer  
ORLANDO, FL 32801  
(407) 422-0353  
CERT OF AUTH NO 8115

MARIO BIZZIO, P.E.  
FDOT District Design Engineer

Date \_\_\_\_\_

FHWA Transportation Engineer

Date \_\_\_\_\_

Bill Liatos

3:41:52 PM

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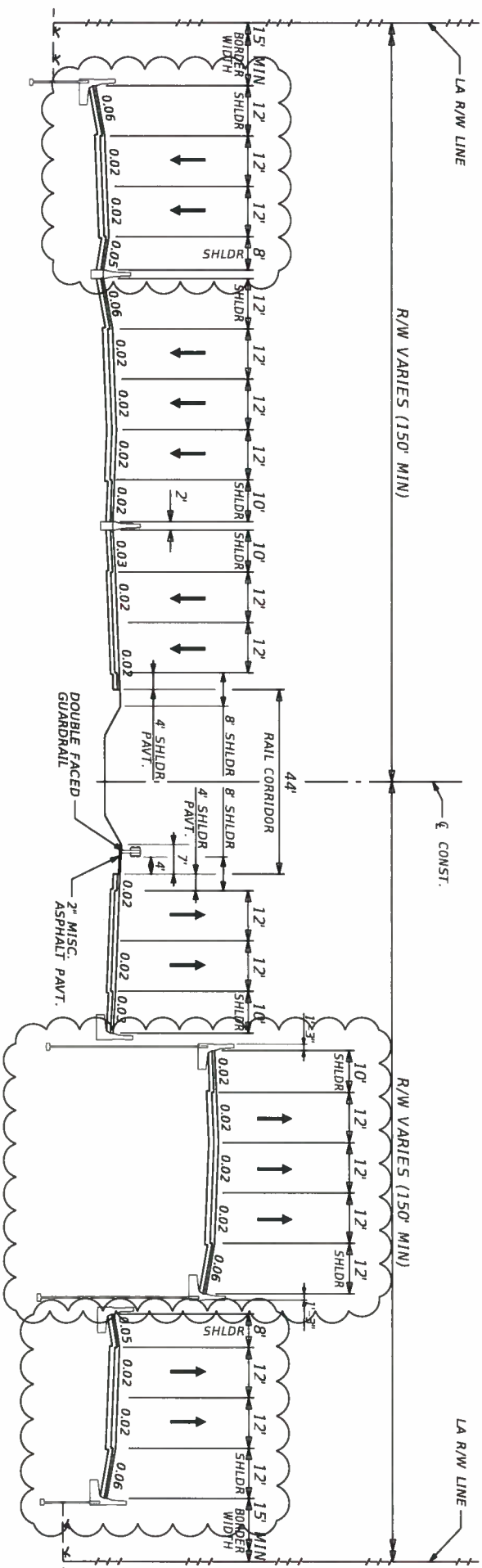
# PROJECT IDENTIFICATION

FINANCIAL PROJECT ID 432100-1-22-01 FEDERAL AID PROJECT NO. N/A COUNTY NAME ORANGE

SECTION NO. 75280 ROAD DESIGNATION SR 400 (1-4) LIMITS/MILEPOST MP 0.000 - 9.528

PROJECT DESCRIPTION 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 MILE EAST OF SR 472.

## PROPOSED ROADWAY TYPICAL SECTION



DESIGN SPEED = 70 MPH

SR 400 (1-4) WITH RAIL CORRIDOR  
STA 1095+00.00 TO STA 1121+50.00

FDOT CONCURRENCE

FHWA CONCURRENCE

SHEET 1B-3A RI

VACILIOS G. LIATSOS  
LICENSE

NO. 67440

APPROVED BY

STATE OF FLORIDA

34150 N. ORANGE AVE.  
SUITE 200  
ORLANDO, FL 32801  
(407) 422-0353  
CERT OF AUTH NO 8115

VACILIOS G. LIATSOS  
Engineer  
Professional Engineer  
No. 67440

MARIO BIZZIO, P.E.  
FDOT District Design Engineer

Date

FHWA Transportation Engineer

Date

COUNTY NAME ORANGE

LIMITS/MILEPOST MP 0.000 - 9.528



COUNTY NAME ORANGE

LIMITS/MILEPOST MP 0.000 - 9.528

Bill Liatsos

3:41:54 PM

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COUNTY NAME ORANGE

MP 0.000 - 9.528

WIDENING SR400 (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 MILE EAST OF SR 472.

## - LA R/W LINE



★ APPROVED BY

FDOT CONCURRENCE

FHWA CONCURRENCE

SR 400 (I-4) BRIDGE OVER SR 535

**SHEET 1B-6 R1**

STATE OF

AECOM  
150 N. ORANGE AVE.  
SUITE 100

SUITE 200  
ORLANDO, FL 32801  
(407) 422-0353

MARIO BIZZIO, P.E.

Date \_\_\_\_\_

FHWA Transportation Engineer

Date \_\_\_\_\_

**Bill Liatso**

3:41:53 PM

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# PROJECT IDENTIFICATION

FINANCIAL PROJECT ID 432100-1-22-01 FEDERAL AID PROJECT NO. N/A COUNTY NAME ORANGE

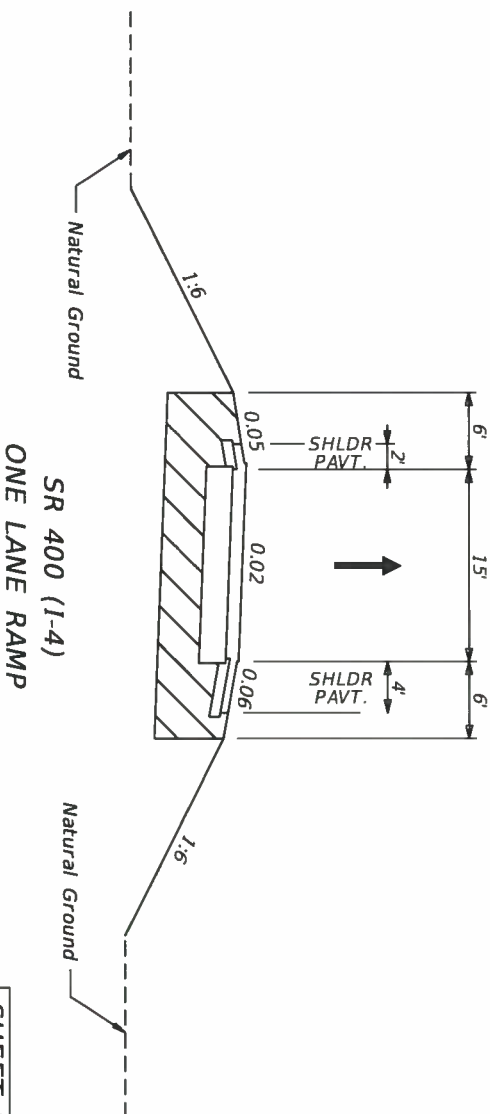
SECTION NO. 75280 ROAD DESIGNATION SR 400 (1-4) LIMITS/MILEPOST MP 0.000 - 9.528

PROJECT DESCRIPTION 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 1/4 MILE EAST OF SR 472

RAMP	MOVEMENT	DESIGN SPEED (MPH)	RAMP	MOVEMENT	DESIGN SPEED (MPH)	RAMP	MOVEMENT	DESIGN SPEED (MPH)
A3 OP	EB OP TO EB 14 GUL	40-50	B1 535	EB CD TO NB 535	50-35	B DCP	EB 14 GUL TO DCP	50
A4 536	A1 536 TO WB 14 XL	50	B2 535	EB CD TO SB 535	50-30	A DCP	DCP TO WB 14 GUL	50
A1 536	EB 536 TO WB 14 GUL	45-50	C3 535	NB 535 TO WB CD1	50	A CFP	EB CFP TO WB 14 GUL	50
A5 536	EB 14 XL TO EB 14 GUL	50	A1 535	SB 535 TO C3 535	45	C CFP	WB CFP TO WB 14 GUL	45-50
B4 536	EB 14 XL TO EBCD 536	50	D1 535	WB CD TO SB 535	60-35			
E1 536	D2 536 TO D1 OP	30	D2 535	WB CD TO NB 535	50			
B1 536	EBCD 536 TO EB 536	50	D4 535	NB 535 TO WB HOTEL PLAZA	30			
E2 536	E1 536 TO A1 536	50	D3 535	WB 14 XL TO WB CD	50			
B2 536	A2 536 TO C2 536	50						
A3 536	E1 536 TO EB 536	30						
A2 536	EB 536 TO C1 536	50						
D3 536	WB 536 TO E1 536	30						
D2 536	WB 14 XL TO D1 536	50						
B3 536	A2 536 TO EB 14 XL	50						
C4 536	EBCD 536 TO WB 536	30						
D4 536	WBCD 1 TO E1 536	50						
C3 536	WB 536 TO B3 536	50						
C1 536	WB 536 TO EBCD 536	50						
C2 536	C3 536 TO EB 14 GUL	30						
C5 536	EBCD 536 TO XEB14	50						
D5 536	WBCD 1 TO WB 14 GUL	50						

## PROPOSED ROADWAY TYPICAL SECTION



SR 400 (1-4)  
ONE LANE RAMP

SHEET 1B-8 R1

FDOT CONCURRENCE

FHWA CONCURRENCE

STATE OF

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

VACILIOS G. LIATISOS  
LICENSE  
NO. 67440  
APPROVED BY

MARIO BIZZIO, P.E.  
FDOT District Design Engineer

Date

FHWA Transportation Engineer

Date



# PROJECT IDENTIFICATION

FINANCIAL PROJECT ID 432100-1-22-01

FEDERAL AID PROJECT NO. N/A

COUNTY NAME ORANGE

SECTION NO. 75280

ROAD DESIGNATION SR 400 (1-4)

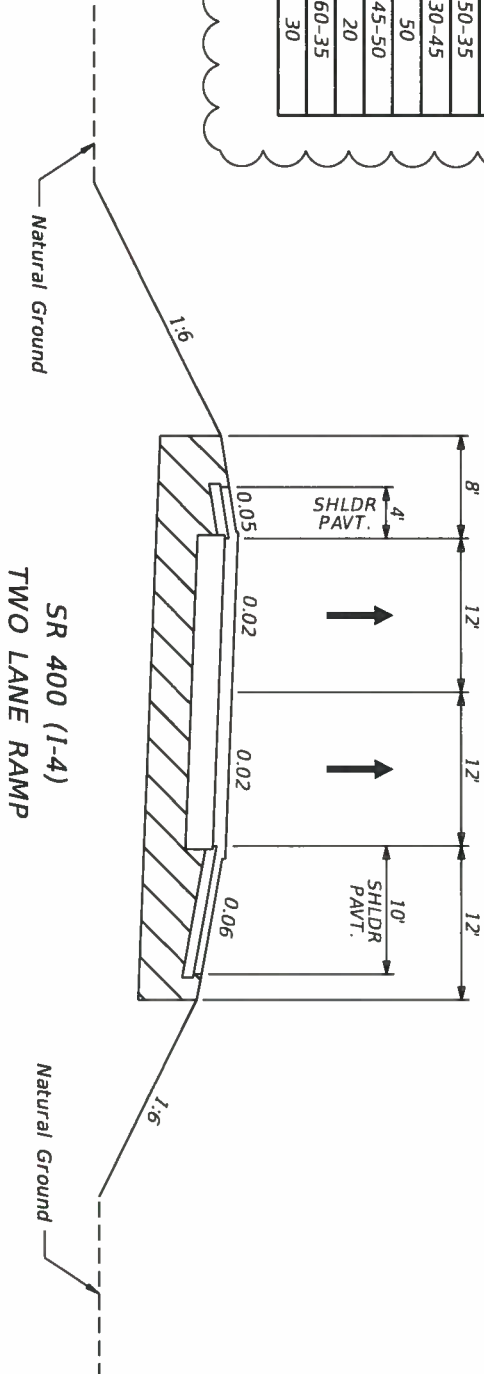
LIMITS/MILEPOST MP 0.000 - 9.528

PROJECT DESCRIPTION WIDENING SR 400 (1-4) FROM WEST OF CR 532 TO WEST OF SR 435 KIRKMAN ROAD AND

FROM 1/2 MILE EAST OF SR 435 TO 1/2 MILE EAST OF SR 472

RAMP	MOVEMENT	DESIGN SPEED (MPH)	RAMP	MOVEMENT	DESIGN SPEED (MPH)	RAMP	MOVEMENT	DESIGN SPEED (MPH)
A3 OP	EB OP TO EB 14 GUL	50	A DCP	DCP TO WB 14 GUL	50	B CFP	EB 14 GUL TO CFP	50
D1 OP	WB 14 GUL TO WB OP	50	C DCP	DCP TO EB 14 GUL	50			
B5 536	EB 14 TO EBCD 536	50						
EBCD 536	B5 536 TO B1 535	60						
B1 536	EBCD 536 TO EB 536	50						
E1 536	D2 536 TO D1 OP	50						
A2 536	EB 536 TO C1 536	50						
D1 536	WBCD 1 TO WB 536	50						
B3 536	A2 536 TO EB 14 XL	50						
C3 536	WB 536 TO B3 536	50						
C2 536	C3 536 TO EB 14 GUL	50						
C1 536	WB 536 TO EBCD 536	50						
B1 535	EB CD TO NB 535	50-35						
B3 535	SB 535 TO EB VINELAND	30-45						
C3 535	NB 535 TO WB CD1	50						
C1 535	NB 535 TO EB 14 GUL	45-50						
A2 535	SB 535 TO EB 14 GUL	20						
D1 535	WB CD TO SB 535	60-35						
D4 535	NB 535 TO WB HOTEL PLAZA	30						

## PROPOSED ROADWAY TYPICAL SECTION



FDOT CONCURRENCE

FHWA CONCURRENCE

SHEET 1B-9 R1

NO. 67440

\* APPROVED BY

STATE OF FLORIDA

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CERT OF AUTH NO 8115

VACILLO, G. LIATSOS  
ENGINEER  
PROFESSIONAL ENGINEER  
CERT OF AUTH NO 8115

MARIO BIZZIO, P.E.  
FDOT District Design Engineer

Date

FHWA Transportation Engineer

Date

# PROJECT IDENTIFICATION

FINANCIAL PROJECT ID 432100-1-22-01

FEDERAL AID PROJECT NO. N/A

COUNTY NAME ORANGE

SECTION NO. 75280

ROAD DESIGNATION SR 400 (1-4)

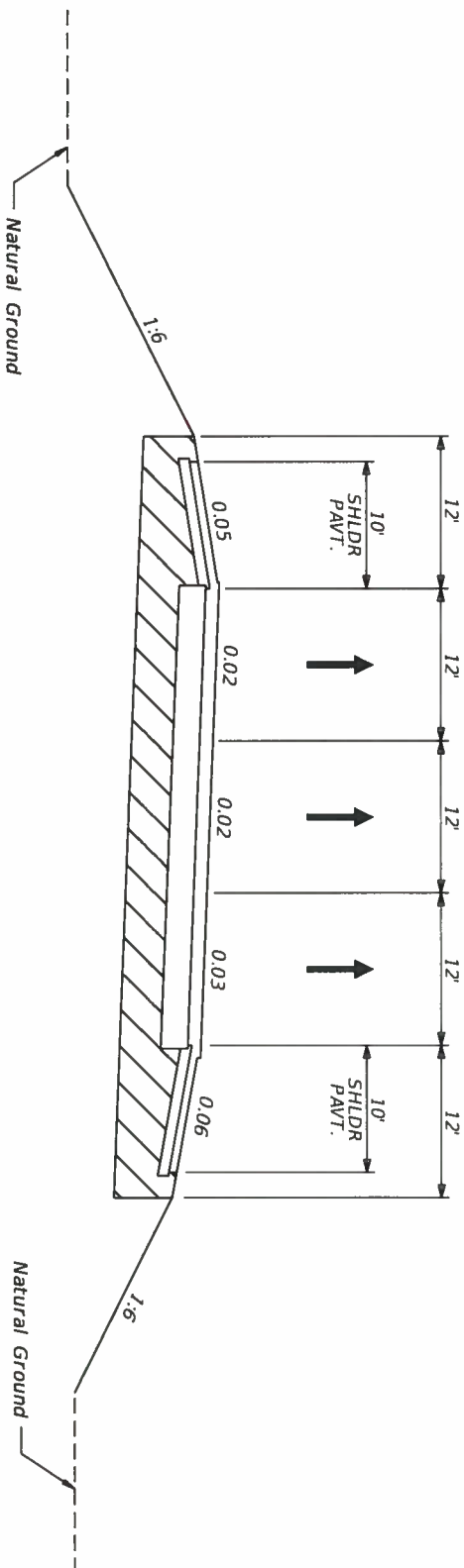
LIMITS/MILEPOST MP 0.000 - 9.528

PROJECT DESCRIPTION WIDENING SR 400 (1-4) FROM WEST OF CR 532 TO WEST OF SR 435 KIRKMAN ROAD AND

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

RAMP	MOVEMENT	DESIGN SPEED (MPH)
D1 OP	WB 14 GUL TO WB OP	50
A2_536	EB_536 TO C1_536	50

## PROPOSED ROADWAY TYPICAL SECTION



NO 67448

FDOT CONCURRENCE

FHWA CONCURRENCE

SHEET 1B-10 R1

VACILIOS G. LIATSOS, P.E.  
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150 N. ORANGE AVE.  
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CERT OF AUTH NO 8115

MARIO BIZZIO, P.E.  
FDOT District Design Engineer

Date

FHWA Transportation Engineer

Date

# PROJECT IDENTIFICATION

FINANCIAL PROJECT ID 432100-1-22-01 FEDERAL AID PROJECT NO. N/A COUNTY NAME ORANGE

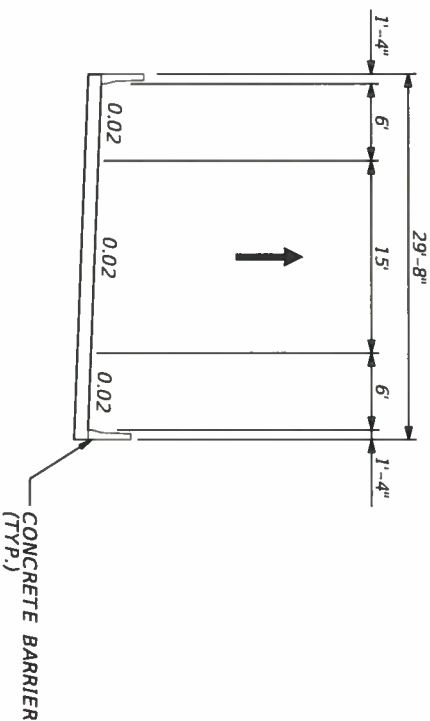
SECTION NO. 75280 ROAD DESIGNATION SR 400 (1-4) LIMITS/MILEPOST MP 0.000 - 9.528

PROJECT DESCRIPTION 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 MILE EAST OF SR 412

RAMP	MOVEMENT	DESIGN SPEED (MPH)	RAMP	MOVEMENT	DESIGN SPEED (MPH)
B4_536	EB_14_XL TO EBCD_536	50	D1_535	WB_CD TO SB_535	60-35
A4_536	A1_536 TO WB_14_XL	50	A_DCP	DCP TO WB_14_GUL	50
A1_536	EB_536 TO WB_14_GUL	50	C_CFP	WB_CFP TO WB_14_GUL	45-50
A2_536	EB_536 TO C1_536	50			
B2_536	A2_536 TO C2_536	50			
B3_536	A2_536 TO C2_536	50			
D4_536	WBCD_1 TO E1_536	50			
D5_536	WBCD_1 TO WB_14_GUL	50			

## PROPOSED STRUCTURE TYPICAL SECTION



SR 400 (1-4)  
ONE LANE BRIDGE RAMP



NO. 67440  
APPROVED BY

FDOT CONCURRENCE

FHWA CONCURRENCE

SHEET 1B-11 R1

STATE OF FLORIDA  
VACILIOS G. LIATSOS  
Professional Engineer  
License No. 67440  
AECOM  
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SUITE 200  
ORLANDO, FL 32801  
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CERT OF AUTH NO 8115

MARIO BIZZIO, P.E.  
FDOT District Design Engineer

Date

FHWA Transportation Engineer

Date

PROJECT IDENTIFICATION

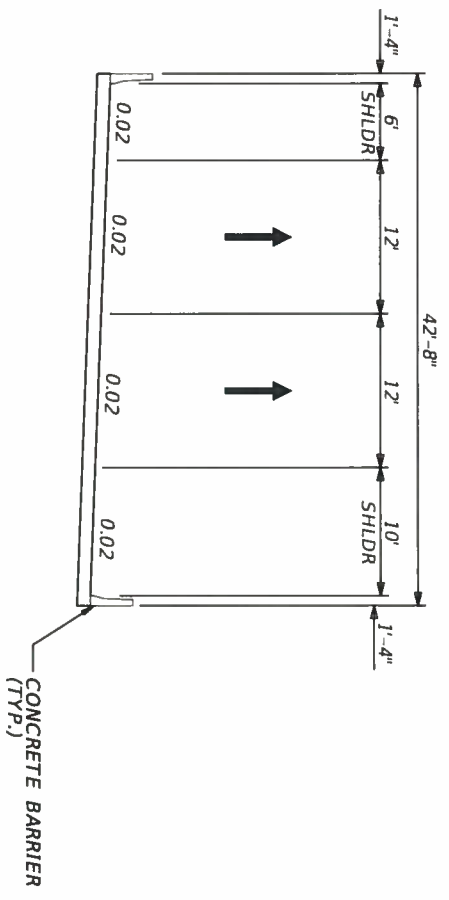
FINANCIAL PROJECT ID 432100-1-22-01 FEDERAL AID PROJECT NO. N/A COUNTY NAME ORANGE

SECTION NO. 75280 ROAD DESIGNATION SR 400 (I-4) LIMITS/MILEPOST MP 0.000 - 9.528

PROJECT DESCRIPTION WIDENING SR 400 (I-4) FROM WEST OF CR 532 TO WEST OF SR 435 KIRKMAN ROAD AND FROM 1/2 MILE EAST OF SR 434 TO 1/2 MILE EAST OF SR 472.

RAMP	MOVEMENT	DESIGN SPEED (MPH)
A1_536	EB_536 TO WB_14_GUL	50
A2_536	EB_536 TO C1_536	50
C3_536	WB_536 TO B3_536	50
B2_536	A2_536 TO C2_536	50
B3_536	A2_536 TO C2_536	50
C_DCP	DCP TO EB_14_GUL	50

PROPOSED STRUCTURE TYPICAL SECTION



SR 400 (I-4)  
TWO LANE BRIDGE RAMP



NO. 67440  
APPROVED BY

FDOT CONCURRENCE

FHWA CONCURRENCE

SHEET 1B-12 R1

STATE OF FLORIDA VACILIOS G. LIATSOS Professional Engineer Report 57460000018	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	Date	FHWA Transportation Engineer	Date
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Bill Liatsos 3-41:56 PM C:\pwworking\aecom\vacilios\dm532984\TYP\SRD\_ORG\_UPDATED.DGN

FINANCIAL PROJECT ID	432100-1-22-01	FEDERAL AID PROJECT NO.	N/A	COUNTY NAME	ORANGE
SECTION NO.	75280	ROAD DESIGNATION	SR 400 (1-4)	LIMITS/MILEPOST	MP 0.000 - 9.528
PROJECT DESCRIPTION	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 MILE EAST OF SR 472.				

\*\*\* VERTICAL CLEARANCE MEASURED FROM EXPRESS LANE INSIDE EDGE OF TRAVEL TO LOW MEMBER  
\*\*\* 44' REQUIRED FOR FUTURE RAIL CORRIDOR. FUTURE RAIL CORRIDOR IS MEASURED FROM FACE OF  
\*\*\* BARRIER TO FACE OF FUTURE INSIDE BARRIER  
\*\*\* 3-6" MAXIMUM PIER WIDTH ALLOWED

**SHEET 1B-17 R1**

NO. 67440 PROV. DE BY

FDOT CONCURRENCE

FHWA CONCURRENCE

STATE OF

AECOM  
150 N. ORANGE AVE.

ORLANDO, FL 32801

MARIO BIZZIO, P.E.

Date \_\_\_\_\_

FHWA Transportation Engineer

Date \_\_\_\_\_

VACUUM PRESSURE  
Engineering & Record, 6744

CERT OF AUTH NO 8115

**Bill Liatsos**

3:43:14 PM

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COUNTY NAME ORANGE

MP 0.000 - 9.528

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

[illegible]

DESIGN SPEED = 45 MPH  
SR 535 ROADWAY SECTION UNDER SR 400 (I-4)

**SHEET 1B-24 R1**

FHWA CONCURRENCE

NO. 6744D  
APPROVED BY

VACILLIOS G. LIATSOSS  
LICENSE

STATE OF

VILLAS DEL SOL ESTATE  
 3000 N. 10th Ave., Unit 100  
 Fort Lauderdale, FL 33301  
 Phone: (305) 442-0353  
 Engineering: (305) 442-0353

Date \_\_\_\_\_

Date \_\_\_\_\_

Date \_\_\_\_\_

Bill Liatsos 3/21/08

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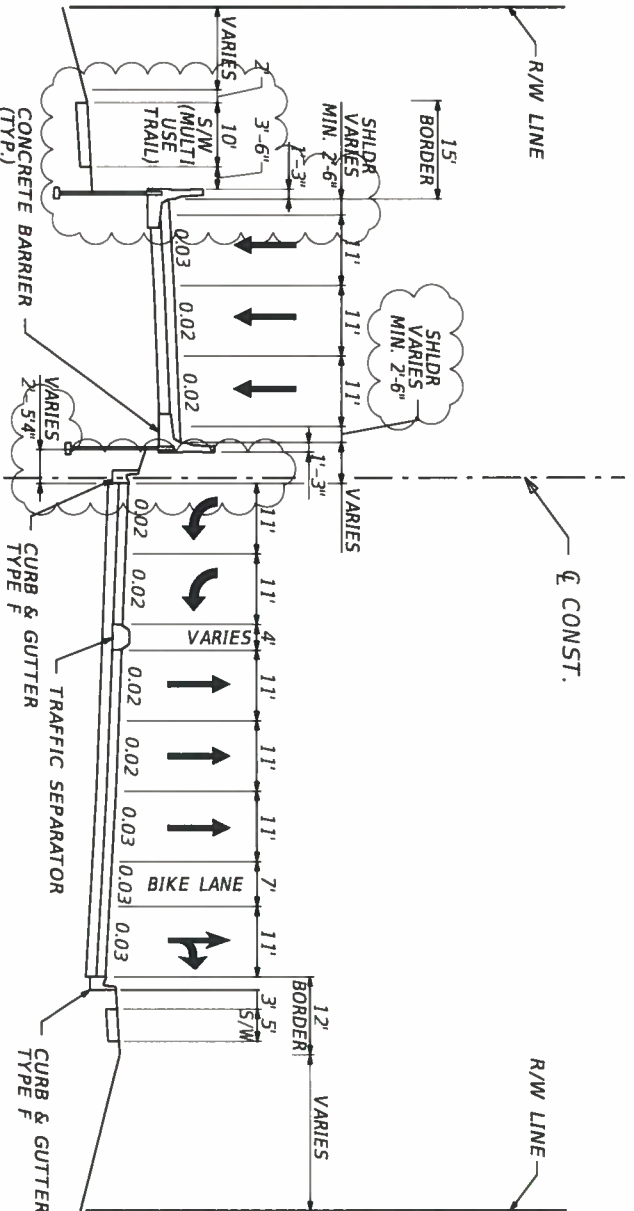
# PROJECT IDENTIFICATION

FINANCIAL PROJECT ID 432100-1-22-01 FEDERAL AID PROJECT NO. N/A COUNTY NAME ORANGE

SECTION NO. 75280 ROAD DESIGNATION SR 400 (1-4) LIMITS/MILEPOST MP 0.000 - 9.528

PROJECT DESCRIPTION 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.

## PROPOSED ROADWAY TYPICAL SECTION



DESIGN SPEED = 45 MPH  
SR 535 ROADWAY SECTION WITH ELEVATED SB

SHEET 1B-25 R1

NO. 67440  
APPROVED BY



ORANGE COUNTY CONCURRENCE

FDOT CONCURRENCE

FHWA CONCURRENCE

STATE OF FLORIDA  
PROFESSIONAL ENGINEER

AE/CM  
ORANGE AVE.  
SUITE 200  
BOCA RATON, FL 33481  
(561) 422-0353  
CERT. OF AUTH. NO. 8115

MARK MASSARO, P.E.  
Public Works Director

Date

MARIO BIZZIO, P.E.  
FDOT District Design Engineer

Date

FHWA Transportation Engineer

Date

Bill Liatsos 3-41:56 PM 3-41:56 PM

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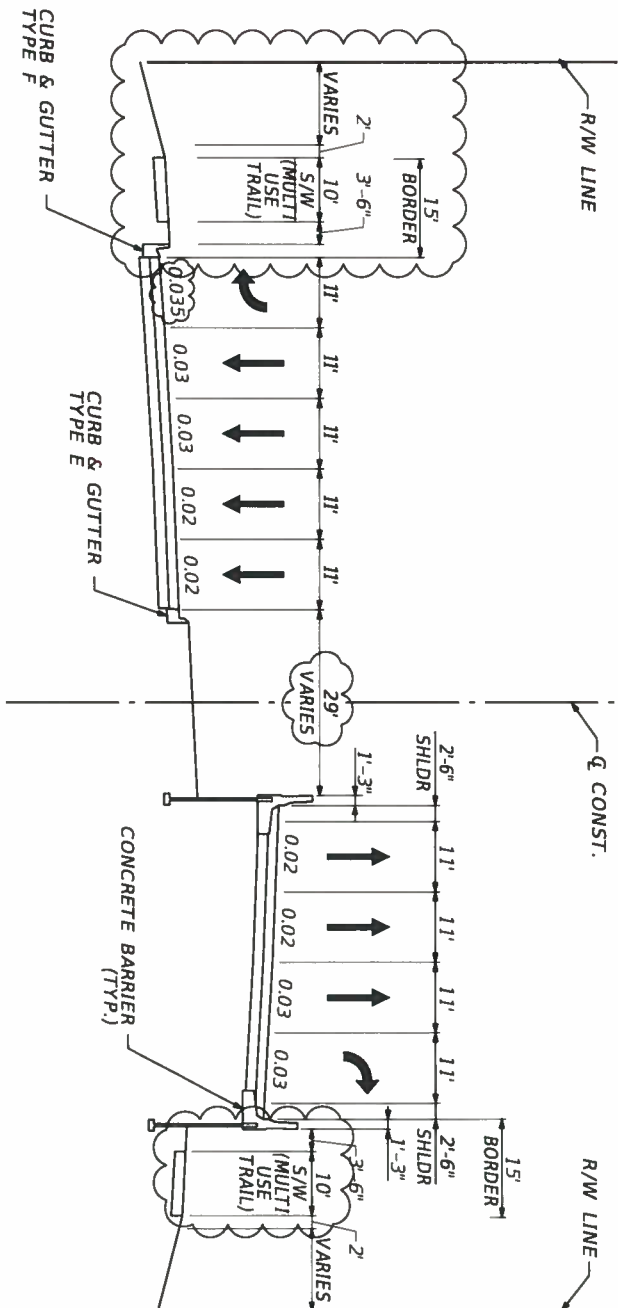
# PROJECT IDENTIFICATION

FINANCIAL PROJECT ID 432100-1-22-01 FEDERAL AID PROJECT NO. N/A COUNTY NAME ORANGE

SECTION NO. 75280 ROAD DESIGNATION SR 400 (1-4) LIMITS/MILEPOST MP 0.000 - 9.528

PROJECT DESCRIPTION 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.

## PROPOSED ROADWAY TYPICAL SECTION



DESIGN SPEED = 45 MPH  
APOPKA VINELAND ROAD ROADWAY SECTION WITH ELEVATED NB

SHEET 1B-26 R1

ORANGE COUNTY CONCURRENCE

FDOT CONCURRENCE

FHWA CONCURRENCE

APPROVED BY

STATE OF

FLORIDA

ENGINEER

DATE

2/21/2018

3:41:57 PM

MARK MASSARO, P.E.

Public Works Director

Date

MARIO BIZZIO, P.E.

FDOT District Design Engineer

Date

FHWA Transportation Engineer

Date

DATE

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Bill Liatsos

2/21/2018

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Bill Liatsos

2/21/2018

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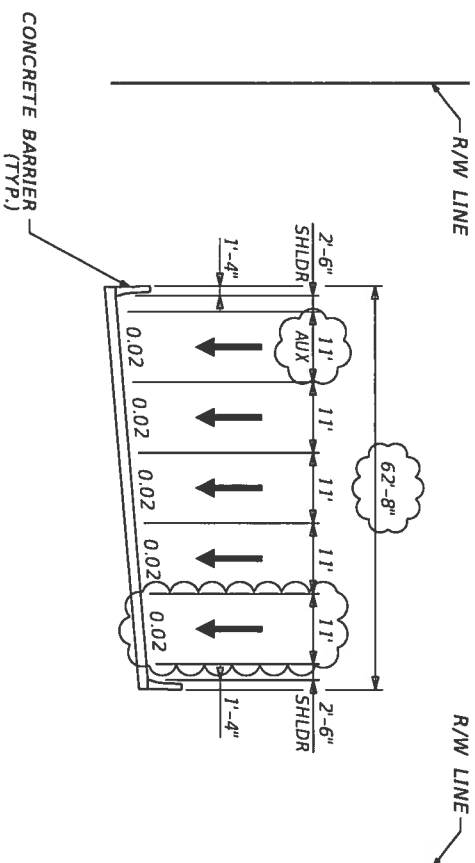
# PROJECT IDENTIFICATION

FINANCIAL PROJECT ID 432100-1-22-01 FEDERAL AID PROJECT NO. N/A COUNTY NAME ORANGE

SECTION NO. 92130 ROAD DESIGNATION SR 400 (I-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 FROM 1 MILE EAST OF SR 434 TO 1/2 MILE EAST OF SR 472.

## PROPOSED STRUCTURE TYPICAL SECTION



DESIGN SPEED = 45 MPH

SR 535 SB BRIDGE SECTION OVER VINELAND AVENUE

SHEET 1B-28 R1

ORANGE COUNTY CONCURRENCE

FDOT CONCURRENCE

FHWA CONCURRENCE

STATE OF

NO 87440  
APPROVED BY

VACILIOS G. LIATOSOS  
LICENSE

18 N. ORANGE AVE.  
VACILIOS G. LIATOSOS, P.E.  
Engineer, License No. 422-0353  
OFFICE OF AUTH. NO. 8115

MARK MASSARO, P.E.  
Public Works Director

Date

MARIO BIZZIO, P.E.  
FDOT District Design Engineer

Date

FHWA Transportation Engineer

Date

Bill Liatsos

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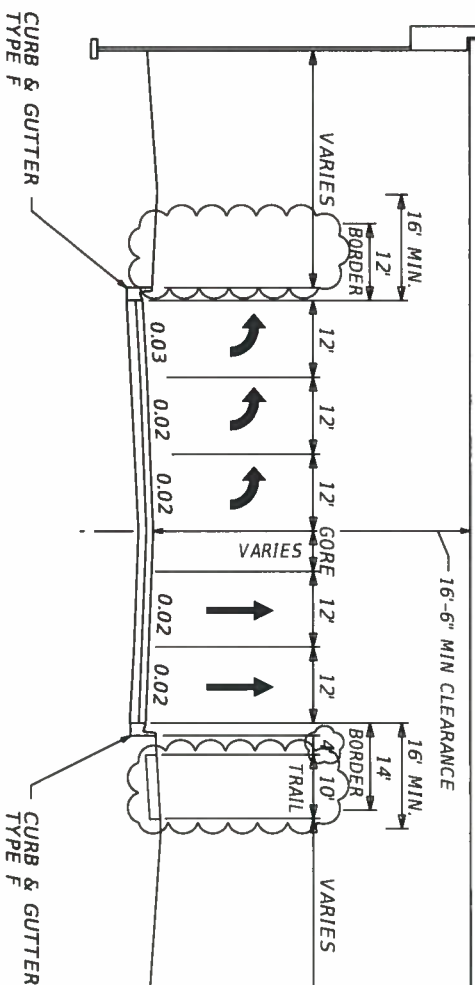




COUNTY NAME ORANGELIMITS/MILEPOST MP 0.000 - 9.528

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

Diagram illustrating the proposed bridge structure, showing a cross-section with a central span and side spans. The central span is labeled "PROPOSED BRIDGE STRUCTURE" and the side spans are labeled "q CONST."



DESIGN SPEED = 45 MPH  
SR 400 (I-4) EB OFF RAMP UNDER SR 535 SB

**SHEET 1B-30 R1**

FHWA CONCURRENCE

APPROVED BY: 06/440

STATE OF

**FLORIDA**  
VACILLOS, CARRASCO, PARRA & ASSOCIATES, INC.  
ENGINEERING  
150 ORANGE AVE., SUITE 200  
CORONA, FL 32801  
TEL: 422-0553  
FAX: 422-0553  
CERT OF AUTH NO B

MARK MASSARO, P.E.  
Public Works Director

Date \_\_\_\_\_

MARIO BIZZIO, P.E.  
FDOT District Design Engineer

Date \_\_\_\_\_

FHWA Transportation Engineer

Date \_\_\_\_\_

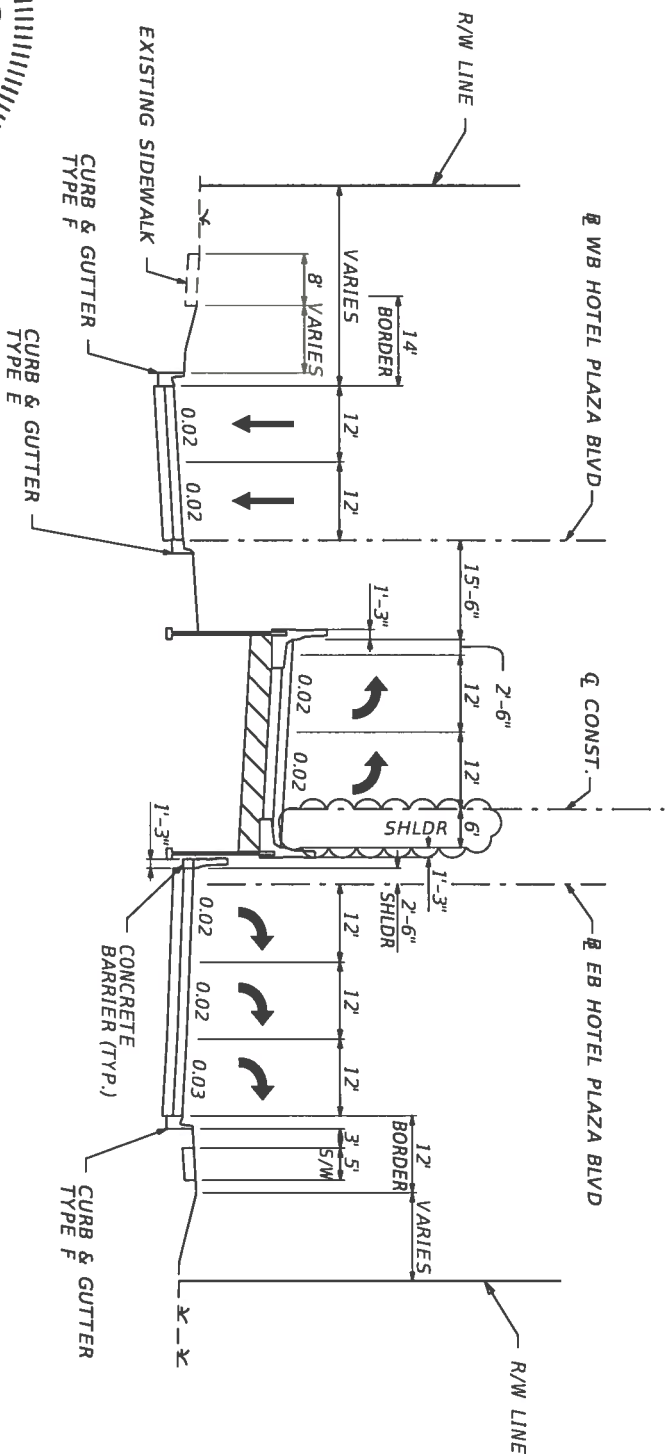
# PROJECT IDENTIFICATION

FINANCIAL PROJECT ID 432100-1-22-01 FEDERAL AID PROJECT NO. N/A COUNTY NAME ORANGE

SECTION NO. 75280 ROAD DESIGNATION SR 400 (1-4) LIMITS/MILEPOST MP 0.000 - 9.528

PROJECT DESCRIPTION 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.

## PROPOSED ROADWAY TYPICAL SECTION



DESIGN SPEED = 35 MPH

HOTEL PLAZA BOULEVARD - ELEVATED LEFT TURNS

SHEET 1B-31 R1

NO. 67440  
APPROVED BY \*

ORANGE COUNTY CONCURRENCE

FDOT CONCURRENCE

FHWA CONCURRENCE

STATE OF FLORIDA

VACILIOS G. LIATOSOS  
Professional Engineer  
No. 122-0353  
Exp. 07/16/2024  
FACILIOS G. LIATOSOS  
ENGINEER  
1422-0353  
EXPIRATION DATE 07/16/2024  
FACILIOS G. LIATOSOS  
ENGINEER  
1422-0353  
EXPIRATION DATE 07/16/2024

MARK MASSARO, P.E.  
Public Works Director

Date

MARIO BIZZIO, P.E.  
FDOT District Design Engineer

Date

FHWA Transportation Engineer

Date

Bill Liatosos

3/18/2018

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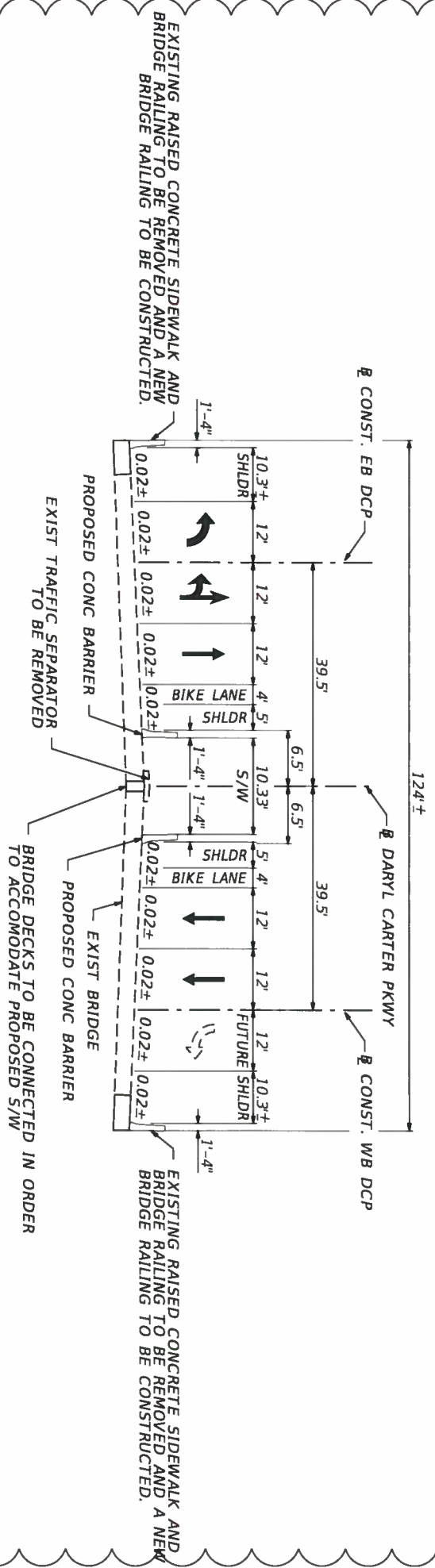
# PROJECT IDENTIFICATION

FINANCIAL PROJECT ID 432100-1-22-01 FEDERAL AID PROJECT NO. N/A COUNTY NAME ORANGE

SECTION NO. 75280 ROAD DESIGNATION SR 400 (1-4) LIMITS/MILEPOST MP 0.000 - 9.528

PROJECT DESCRIPTION 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.

## EXISTING STRUCTURE TYPICAL SECTION



DESIGN SPEED = 40 MPH  
DARYL CARTER PARKWAY  
DIVERGING DIAMOND INTERCHANGE

SHEET 1B-44 R1



STATE OF FLORIDA APPROVED BY NO. 67440	ORANGE COUNTY CONCURRENCE	FDOT CONCURRENCE	FHWA CONCURRENCE
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VACILIOS G. LIATSOS ENGINEER 1000 ORANGE AVE. SUITE 200 ORANGE, FL 32801 PHONE: (407) 422-0353 CERT. OF AUTH. NO. 8115	MARK MASSARO, P.E. Public Works Director	MARIO BIZZIO, P.E. FDOT District Design Engineer	FHWA Transportation Engineer
DATE	DATE	DATE	DATE