

STATE OF FLORIDA  
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTION PACKAGE

FINANCIAL PROJECT ID 256931-4-52-01  
PINELLAS COUNTY (15090000, 150900010 & 15241000)  
US 92 / SR 600 / SR 687 / SR 694 (GANDY BLVD.)  
ADD LANES AND RECONSTRUCT FROM 4TH ST. N. TO W. OF GANDY BRIDGE

FDOT DISTRICT DESIGN ENGINEER

Digitally signed by: Allan J  
Urbonas  
Date: 2024.03.01 11:39:11 -05'00'

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

FDOT DISTRICT TRAFFIC OPERATIONS  
ENGINEER

Megan Arasteh for Ron Chin

DocuSigned by:

Megan Arasteh

CONCURRING WITH: 03/08/2024 | 3:03 PM EST  
TARGET SPEED  
DESIGN & POSTED SPEEDS

PROJECT LOCATION URL: <https://tinyurl.com/4mn4dh6r>

PROJECT LIMITS: BEGIN MP 1.499 TO MP 2.245 (1524100)  
MP 7.645 TO MP 9.992 (15090000)  
MP 0.000 TO MP 0.312 (15090010)

EXCEPTIONS: NONE

BRIDGE LIMITS: BR#1 MP 2.201 TO MP 2.245 (1524100)  
MP 7.645 TO MP 7.992 (15090000)  
BR#2 MP 8.562 TO MP 8.583 (15090000)  
BR#3 MP 9.166 TO MP 9.188 (15090000)  
BR#4 MP 0.028 TO MP 0.046 (15090010)

FDOT DISTRICT INTERMODAL SYSTEMS  
DEVELOPMENT MANAGER

Digitally signed by: Elizabeth  
Winters  
DN: CN = Elizabeth Winters email  
= elizabeth.winters@dot.state.fl,  
us C = US O = FDOT OU = FDOT  
Date: 2024.01.18 13:41:16 -05'00'

CONCURRING WITH:  
CONTEXT CLASSIFICATION  
TARGET SPEED

FDOT DISTRICT STRUCTURES  
DESIGN ENGINEER

Digitally signed  
by Gautom Dey  
Date: 2024.01.18  
16:40:44 -05'00'

CONCURRING WITH:  
TYPICAL SECTION ELEMENTS

FHWA TRANSPORTATION ENGINEER

CONCURRING WITH:  
TYPICAL SECTION ELEMENTS

LOCAL TRANSPORTATION ENGINEER

CONCURRING WITH:  
TYPICAL SECTION ELEMENTS

NOT USED

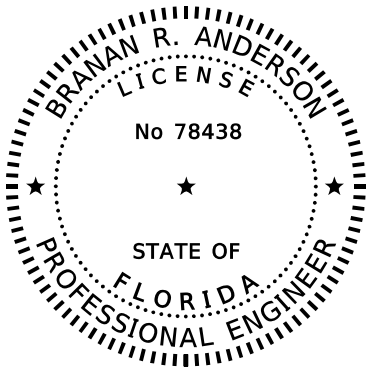
CONCURRING WITH:

NOT USED

CONCURRING WITH:

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.

APPROVED BY:



THIS ITEM HAS BEEN DIGITALLY  
SIGNED AND SEALED BY

Branan R  
Anderson  
Digitally signed by  
Branan R Anderson  
Date: 2023.11.15  
16:27:50 -05'00'  
ON THE DATE ADJACENT TO THE SEAL

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

KISINGER CAMPO & ASSOCIATES CORP.  
201 N FRANKLIN STREET, SUITE 400  
TAMPA, FLORIDA 33602  
BRANAN R. ANDERSON, P.E. 78438

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

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
7	TYPICAL SECTION NO. 6

SHEET  
NO.

## 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  
(X) 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

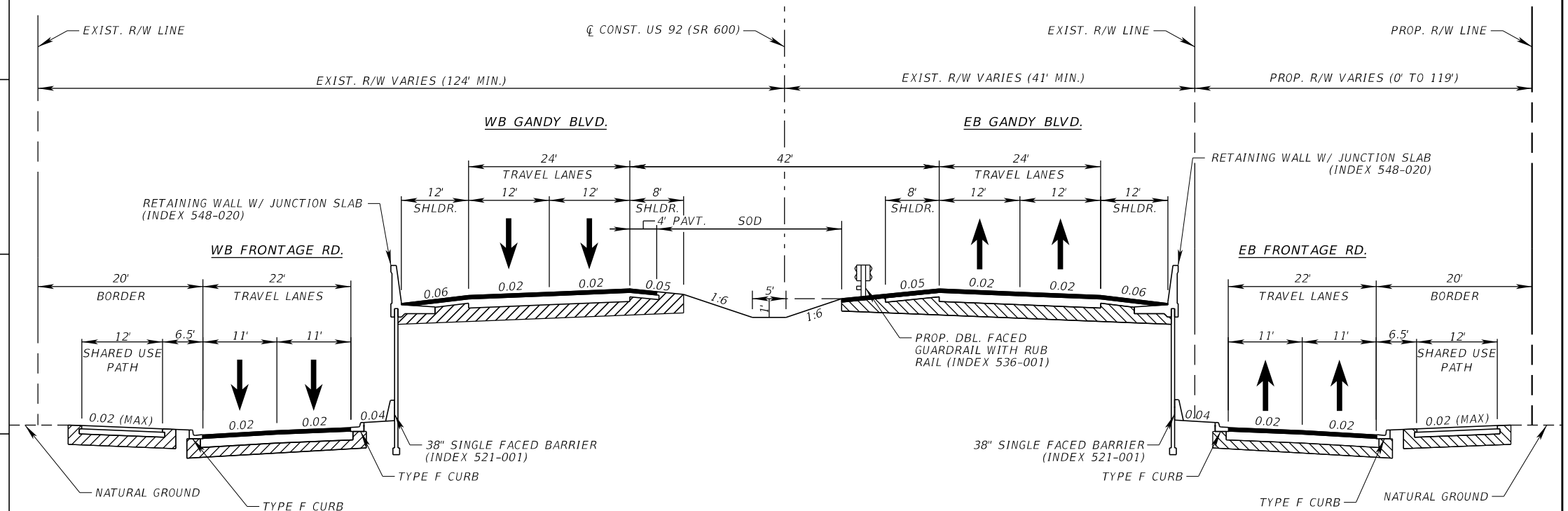
## CRITERIA

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

POTENTIAL EXCEPTIONS AND VARIATIONS  
RELATED TO TYPICAL SECTION:

NONE

*TYPICAL SECTION No. 1*



PINELLAS COUNTY SEGMENT - US 92 (SR 600) GANDY BLVD.  
MP 1.499 TO MP 2.201 (15241000)

TRAFFIC DATA GANDY BLVD.

CURRENT YEAR = 2020 AADT = 47,000  
ESTIMATED OPENING YEAR = 2030 AADT = 60,000  
ESTIMATED DESIGN YEAR = 2050 AADT = 85,000  
K = 9% D = 53.4% T = 5.0% (24 HOUR)  
DESIGN HOUR T = 2.5%  
2045 TRUCK DDHV = 102

POSTED SPEED: 50 MPH  
DESIGN SPEED: 55 MPH  
TARGET SPEED: 55 MPH

## FRONTAGE RD.

POSTED SPEED: 40 MPH  
DESIGN SPEED: 45 MPH  
TARGET SPEED: 45 MPH

NOT TO SCALE

<i>FINANCIAL PROJECT ID</i>	<i>SHEET NO.</i>
256931-4-52-01	2

## 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  
(X) 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

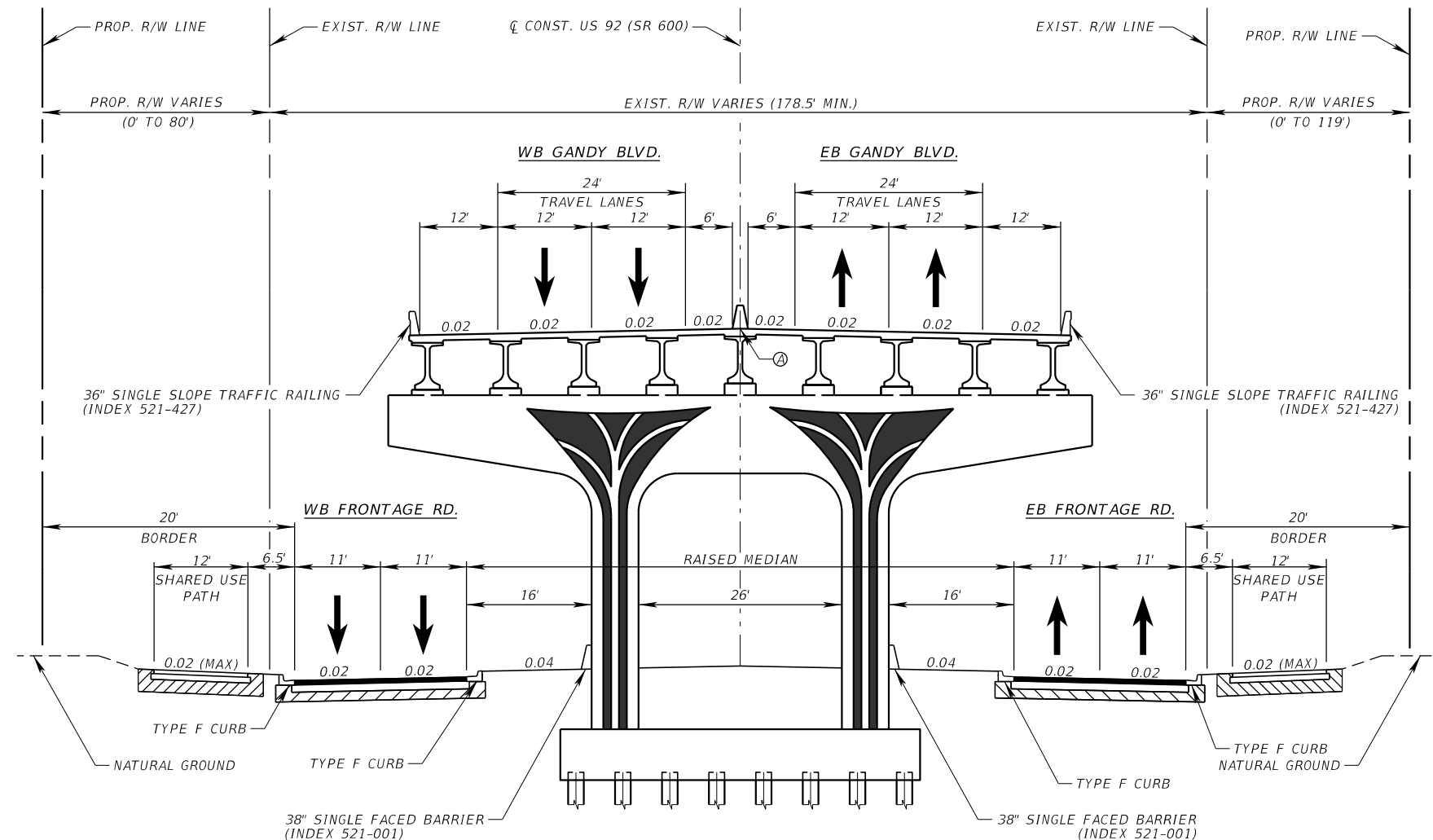
## CRITERIA

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

POTENTIAL EXCEPTIONS AND VARIATIONS  
RELATED TO TYPICAL SECTION:

NONE

*TYPICAL SECTION No. 2*



Ⓐ—MEDIAN BARRIER WALL  
(INDEX 521-426)

PINELLAS COUNTY SEGMENT - US 92 (SR 600) GANDY BLVD.

MP 2.201 TO MP 2.245 (1524100)  
MP 7.645 TO MP 7.992 (15090000)

## TRAFFIC DATA GANDY BLVD.

CURRENT YEAR = 2020 AADT = 41,500  
ESTIMATED OPENING YEAR = 2030 AADT = 53,000  
ESTIMATED DESIGN YEAR = 2050 AADT = 74,900  
K = 9% D = 53.4% T = 5.0% (24 HOUR)  
DESIGN HOUR T = 2.5%  
2045 TRUCK DDHV = 102

POSTED SPEED: 50 MPH  
DESIGN SPEED: 55 MPH  
TARGET SPEED: 55 MPH

FRONTAGE RD.

POSTED SPEED: 40 MPH  
DESIGN SPEED: 45 MPH  
TARGET SPEED: 45 MPH

NOT TO SCALE

<i>FINANCIAL PROJECT ID</i>	<i>SHEET NO.</i>
256931-4-52-01	3

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		
(X)	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:			
NONE			

TYPICAL SECTION No. 3

PINELLAS COUNTY SEGMENT - US 92 (SR 600) GANDY BLVD.  
MP 7.992 TO MP 8.562 (15090000)  
MP 8.583 TO MP 8.939 (15090000)

TRAFFIC DATA GANDY BLVD.

CURRENT YEAR = 2020 AADT = 47,000  
ESTIMATED OPENING YEAR = 2030 AADT = 60,000  
ESTIMATED DESIGN YEAR = 2050 AADT = 85,000  
K = 9% D = 53.4% T = 5.0% (24 HOUR)  
DESIGN HOUR T = 2.5%  
2045 TRUCK DDHV = 102

POSTED SPEED: 50 MPH  
DESIGN SPEED: 55 MPH  
TARGET SPEED: 55 MPH

FRONTAGE RD.

POSTED SPEED: 40 MPH  
DESIGN SPEED: 45 MPH  
TARGET SPEED: 45 MPH

NOT TO SCALE

FINANCIAL PROJECT ID	SHEET NO.
256931-4-52-01	4

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	
(X) 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:
DESIGN VARIATION: LANE WIDTH SHOULDER CROSS SLOPE

TYPICAL SECTION No. 4

EXIST. R/W LINE

WB GANDY BLVD.

EB GANDY BLVD.

EXIST. R/W VARIES (172' MIN.)

EXIST. R/W VARIES (217' MIN.)

34' TRAVEL LANES

22'

34' TRAVEL LANES

12' SHLDR.

12' 11' 11' 10' SHLDR.

10' SHLDR.

11' 11' 12' 12' SHLDR.

RETAINING WALL W/ JUNCTION SLAB (INDEX 548-020)

WB FRONTAGE RD.

EB FRONTAGE RD.

20' BORDER

22'

12' SHARED USE PATH

6.5' SHLDR.

7' TRAVEL LANE

15'

0.02 (MAX)

0.02

0.02

0.04

38" SINGLE FACED BARRIER (INDEX 521-001)

TYPE F CURB

NATURAL GROUND

0.06

0.03

0.02

0.02

0.02

0.02

0.02

0.02

0.03

0.06

MEDIAN BARRIER WALL (INDEX 521-001)

38" SINGLE FACED BARRIER (INDEX 521-001)

TYPE F CURB

24'

20' BORDER

15' TRAVEL LANE

9' SHLDR.

6.5' SHARED USE PATH

12'

0.02

0.02

0.02 (MAX)

0.04

TYPE F CURB

PROP. TL-2 GUARDRAIL W/ PIPE RAIL (INDEX 536-001)

NATURAL GROUND

PINELLAS COUNTY SEGMENT - US 92 (SR 600) GANDY BLVD.

MP 8.939 TO MP 9.166 (15090000)

MP 9.188 TO MP 9.992 (15090000)

MP 0.000 TO MP 0.028 (15090010)

MP 0.046 TO MP 0.312 (15090010)

TRAFFIC DATA GANDY BLVD.

CURRENT YEAR = 2020 AADT = 41,500

ESTIMATED OPENING YEAR = 2030 AADT = 53,000

ESTIMATED DESIGN YEAR = 2050 AADT = 74,900

K = 9% D = 53.4% T = 5.0% (24 HOUR)

DESIGN HOUR T = 2.5%

2045 TRUCK DDHV = 102

POSTED SPEED: 55 MPH

DESIGN SPEED: 55 MPH

TARGET SPEED: 55 MPH

FRONTAGE RD.

POSTED SPEED: 30 MPH

DESIGN SPEED: 35 MPH

TARGET SPEED: 35 MPH

NOT TO SCALE

FINANCIAL PROJECT ID	SHEET NO.
256931-4-52-01	5

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	
(X) 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:
NONE

TYPICAL SECTION No. 5

PINELLAS COUNTY SEGMENT - US 92 (SR 600) GANDY BLVD.

MP 8.562 TO MP 8.583 (15090000)

TRAFFIC DATA GANDY BLVD.

CURRENT YEAR = 2020 AADT = 41,500  
ESTIMATED OPENING YEAR = 2030 AADT = 53,000  
ESTIMATED DESIGN YEAR = 2050 AADT = 74,900  
K = 9% D = 53.4% T = 5.0% (24 HOUR)  
DESIGN HOUR T = 2.5%  
2045 TRUCK DDHV = 102

POSTED SPEED: 55 MPH  
DESIGN SPEED: 55 MPH  
TARGET SPEED: 55 MPH

NOT TO SCALE

FINANCIAL PROJECT ID	SHEET NO.
256931-4-52-01	6

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	
(X) 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:
DESIGN VARIATION: LANE WIDTH

TYPICAL SECTION No. 6

PINELLAS COUNTY SEGMENT - US 92 (SR 600) GANDY BLVD.

MP 9.166 TO MP 9.188 (15090000)  
MP 0.028 TO MP 0.046 (15090010)

TRAFFIC DATA GANDY BLVD.	
CURRENT YEAR	= 2020 AADT = 41,500
ESTIMATED OPENING YEAR	= 2030 AADT = 53,000
ESTIMATED DESIGN YEAR	= 2050 AADT = 74,900
K = 9% D = 53.4% T = 5.0% (24 HOUR)	
DESIGN HOUR T = 2.5%	
2045 TRUCK DDHV = 102	

POSTED SPEED: 55 MPH
DESIGN SPEED: 55 MPH
TARGET SPEED: 55 MPH

NOT TO SCALE

FINANCIAL PROJECT ID	SHEET NO.
256931-4-52-01	7