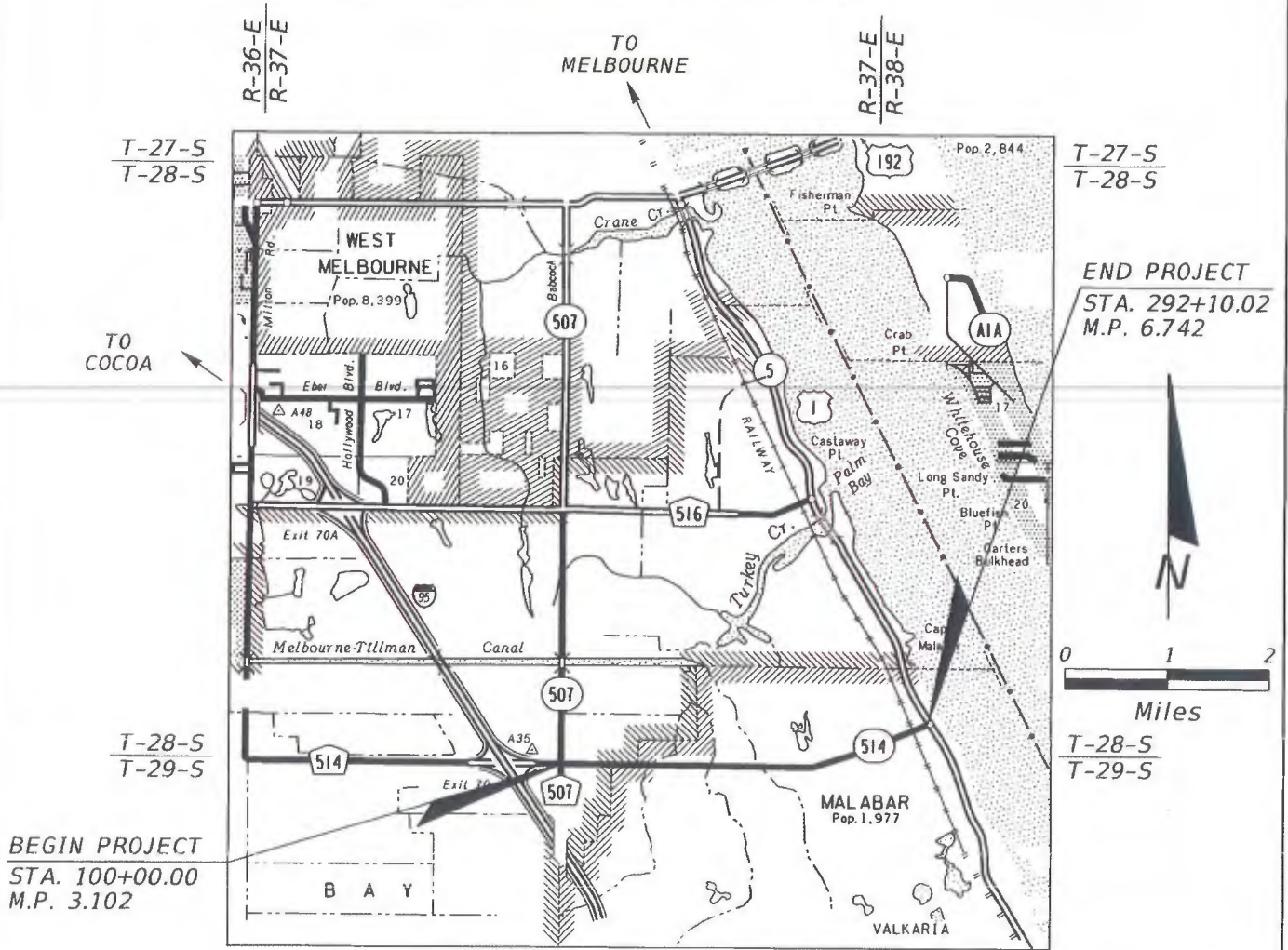


**STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION
TYPICAL SECTION PACKAGE**

FINANCIAL PROJECT ID. 430136-1-22-01
FEDERAL AID PROJECT ID. N/A
BREVARD COUNTY

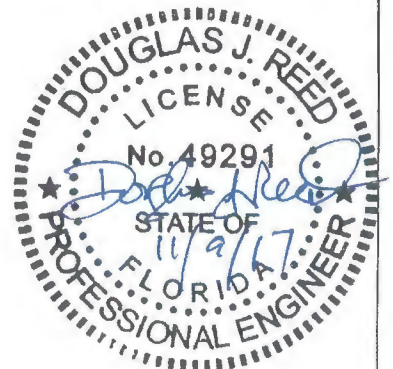
**WIDENING AND RECONSTRUCTION OF S.R.514 (MALABAR RD.)
FROM S.R. 507 (BABCOCK ST.) TO U.S. 1**



BEGIN PROJECT
STA. 100+00.00
M.P. 3.102

END PROJECT
STA. 292+10.02
M.P. 6.742

ATKINS NORTH AMERICA, INC.
482 SOUTH KELLER ROAD
ORLANDO, FLORIDA 32810
(407) 647-7275



PROJECT IDENTIFICATION

FINANCIAL PROJECT ID 430136-1-22-01 COUNTY (SECTION) BREVARD (70)
 PROJECT DESCRIPTION SR 514 (MALABAR RD) FROM SR 507 (BABCOCK ST) TO US 1

PROJECT CONTROLS

FUNCTIONAL CLASSIFICATION	HIGHWAY SYSTEM
<input type="checkbox"/> RURAL <input checked="" type="checkbox"/> URBAN <input type="checkbox"/> FREEWAY/EXPWY. <input type="checkbox"/> MAJOR COLL. <input type="checkbox"/> PRINCIPAL ART. <input type="checkbox"/> MINOR COLL. <input checked="" type="checkbox"/> MINOR ART. <input type="checkbox"/> LOCAL	Yes No <input type="checkbox"/> <input checked="" type="checkbox"/> NATIONAL HIGHWAY SYSTEM <input type="checkbox"/> <input checked="" type="checkbox"/> STRATEGIC INTERMODAL SYSTEM <input checked="" type="checkbox"/> <input type="checkbox"/> STATE HIGHWAY SYSTEM <input type="checkbox"/> <input checked="" type="checkbox"/> OFF STATE HIGHWAY SYSTEM

ACCESS CLASSIFICATION	TRAFFIC																				
<input type="checkbox"/> 1 - FREEWAY <input type="checkbox"/> 2 - RESTRICTIVE w/Service Roads <input checked="" type="checkbox"/> 3 - RESTRICTIVE w/660 ft. Connection Spacing <input type="checkbox"/> 4 - NON-RESTRICTIVE w/2640 ft. Signal Spacing <input checked="" type="checkbox"/> 5 - RESTRICTIVE w/440 ft. Connection Spacing <input type="checkbox"/> 6 - NON-RESTRICTIVE w/1320 ft. Signal Spacing <input type="checkbox"/> 7 - BOTH MEDIAN TYPES	<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th style="text-align: center;">YEAR</th> <th style="text-align: center;">AADT</th> </tr> </thead> <tbody> <tr> <td>CURRENT</td> <td style="text-align: center;"><u>2015</u></td> <td style="text-align: center;"><u>13,000-18,000</u></td> </tr> <tr> <td>OPENING</td> <td style="text-align: center;"><u>2025</u></td> <td style="text-align: center;"><u>17,000-24,000</u></td> </tr> <tr> <td>DESIGN</td> <td style="text-align: center;"><u>2045</u></td> <td style="text-align: center;"><u>23,000-31,000</u></td> </tr> </tbody> </table> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th style="text-align: center;">DISTRIBUTION</th> </tr> </thead> <tbody> <tr> <td>DESIGN SPEED <u>40, 45, 55, MPH</u></td> <td style="text-align: center;">K 9.4 %</td> </tr> <tr> <td>POSTED SPEED <u>35, 45, 50 MPH</u></td> <td style="text-align: center;">D 63 %</td> </tr> <tr> <td></td> <td style="text-align: center;">T 24.6 %</td> </tr> </tbody> </table>		YEAR	AADT	CURRENT	<u>2015</u>	<u>13,000-18,000</u>	OPENING	<u>2025</u>	<u>17,000-24,000</u>	DESIGN	<u>2045</u>	<u>23,000-31,000</u>		DISTRIBUTION	DESIGN SPEED <u>40, 45, 55, MPH</u>	K 9.4 %	POSTED SPEED <u>35, 45, 50 MPH</u>	D 63 %		T 24.6 %
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	T 24.6 %																				

CRITERIA																					
<input checked="" type="checkbox"/> NEW CONSTRUCTION / RECONSTRUCTION <input type="checkbox"/> RRR INTERSTATE / FREEWAY <input type="checkbox"/> RRR NON-INTERSTATE / FREEWAY <input type="checkbox"/> TDLC / NEW CONSTRUCTION / RECONSTRUCTION <input type="checkbox"/> TDLC / RRR <input type="checkbox"/> MANUAL OF UNIFORM MINIMUM STANDARDS (FLORIDA GREENBOOK) (OFF-STATE HIGHWAY SYSTEM ONLY)	<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Road to Road</th> <th style="text-align: left;">Mile Post</th> <th style="text-align: left;">Design</th> <th style="text-align: left;">Posted</th> </tr> </thead> <tbody> <tr> <td>Babcock St. - Weber Rd.</td> <td>MP 3.102 - MP 4.087:</td> <td>45 MPH</td> <td>45 MPH</td> </tr> <tr> <td>Weber Rd. - Corey Rd.</td> <td>MP 4.087 - MP 5.084:</td> <td>55 MPH</td> <td>50 MPH</td> </tr> <tr> <td>Corey Rd. - Marie St.</td> <td>MP 5.084 - MP 6.129:</td> <td>55 MPH</td> <td>50 MPH</td> </tr> <tr> <td>Marie St. - US 1</td> <td>MP 6.129 - MP 6.742:</td> <td>40 MPH</td> <td>35 MPH</td> </tr> </tbody> </table> <div style="text-align: right;"> <p>DESIGN SPEED APPROVALS</p> <p><i>[Signature]</i> 11/14/17 District Design Engineer Date</p> <p><i>[Signature]</i> 11/16/17 District Traffic Operations Engineer Date</p> </div>	Road to Road	Mile Post	Design	Posted	Babcock St. - Weber Rd.	MP 3.102 - MP 4.087:	45 MPH	45 MPH	Weber Rd. - Corey Rd.	MP 4.087 - MP 5.084:	55 MPH	50 MPH	Corey Rd. - Marie St.	MP 5.084 - MP 6.129:	55 MPH	50 MPH	Marie St. - US 1	MP 6.129 - MP 6.742:	40 MPH	35 MPH
Road to Road	Mile Post	Design	Posted																		
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Corey Rd. - Marie St.	MP 5.084 - MP 6.129:	55 MPH	50 MPH																		
Marie St. - US 1	MP 6.129 - MP 6.742:	40 MPH	35 MPH																		

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

LIST MAJOR STRUCTURES LOCATION/DESCRIPTION - REQUIRING INDEPENDENT STRUCTURE DESIGN:
 NONE

LIST MAJOR UTILITIES WITHIN PROJECT CORRIDOR:

- Brevard County Water Resources	- Florida Gas Transmission	- Sprint/Nextel
- Century Link/Qwest	- Florida Power & Light Distribution	- TW Telecom
- City of Cocoa	- Florida Power & Light Transmission	
- FEC Rail	- Level 3 Communications	
- Florida City Gas	- MCI	

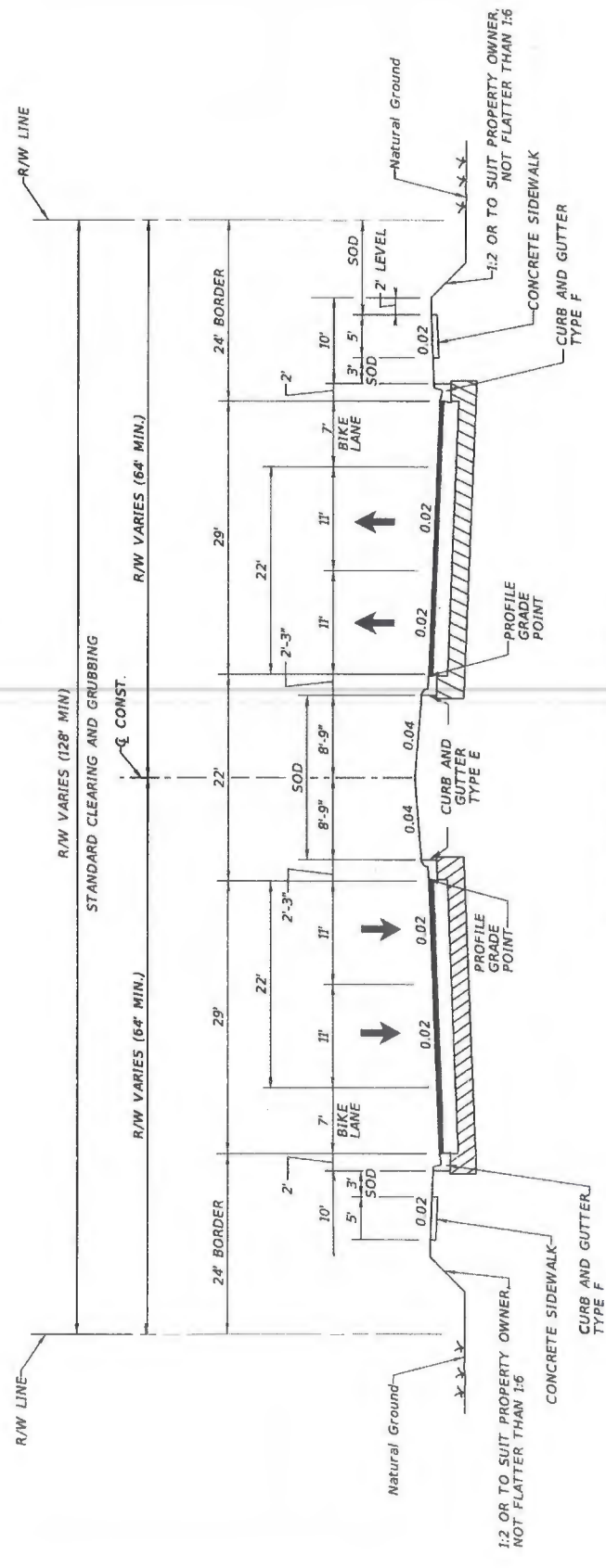
LIST OTHER INFORMATION PERTINENT TO DESIGN OF PROJECT:



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

PROJECT IDENTIFICATION

FINANCIAL PROJECT ID 430136-1-22-01 FEDERAL AID PROJECT NO. N/A COUNTY NAME BREVARD (70)
 SECTION NO. 70180000 ROAD DESIGNATION SR 514 (MALABAR ROAD) LIMITS/MILEPOST MP 3.102 TO MP 6.742
 PROJECT DESCRIPTION SR 514 (MALABAR RD) FROM SR 507 (BABCOCK ST) TO US 1

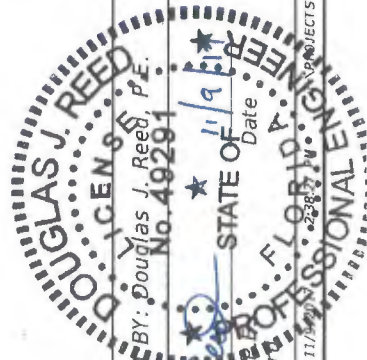


DESIGN SPEED = 45 MPH
 STA. 100+00 TO STA. 152+00
 (M.P. 3.102 TO M.P. 4.087)
 BABCOCK ST. TO WEBER RD.

FHWA CONCURRENCE

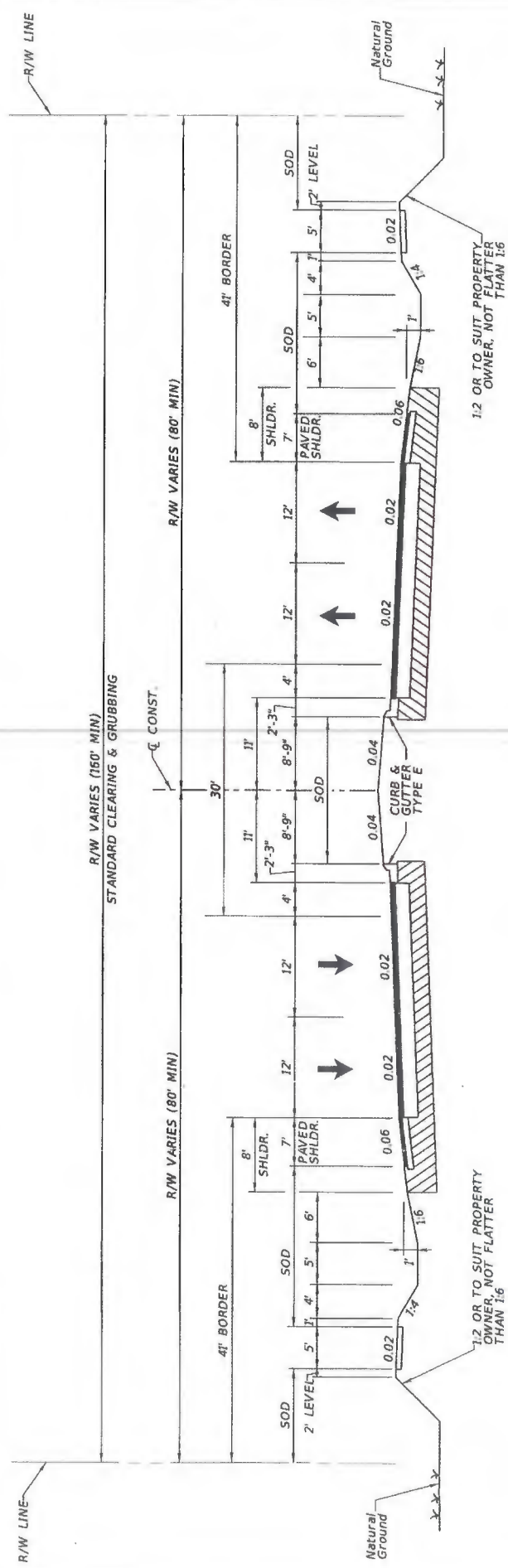
~~FDOT CONCURRENCE~~

APPROVED BY: *Douglas J. Reed* No. 49291
 STATE OF FLORIDA PROFESSIONAL ENGINEER
 Douglas J. Reed, P.E. Date 11/19/17
 Mario Bizzio, P.E. Date _____
 FDOT District Design Engineer FHWA Transportation Engineer



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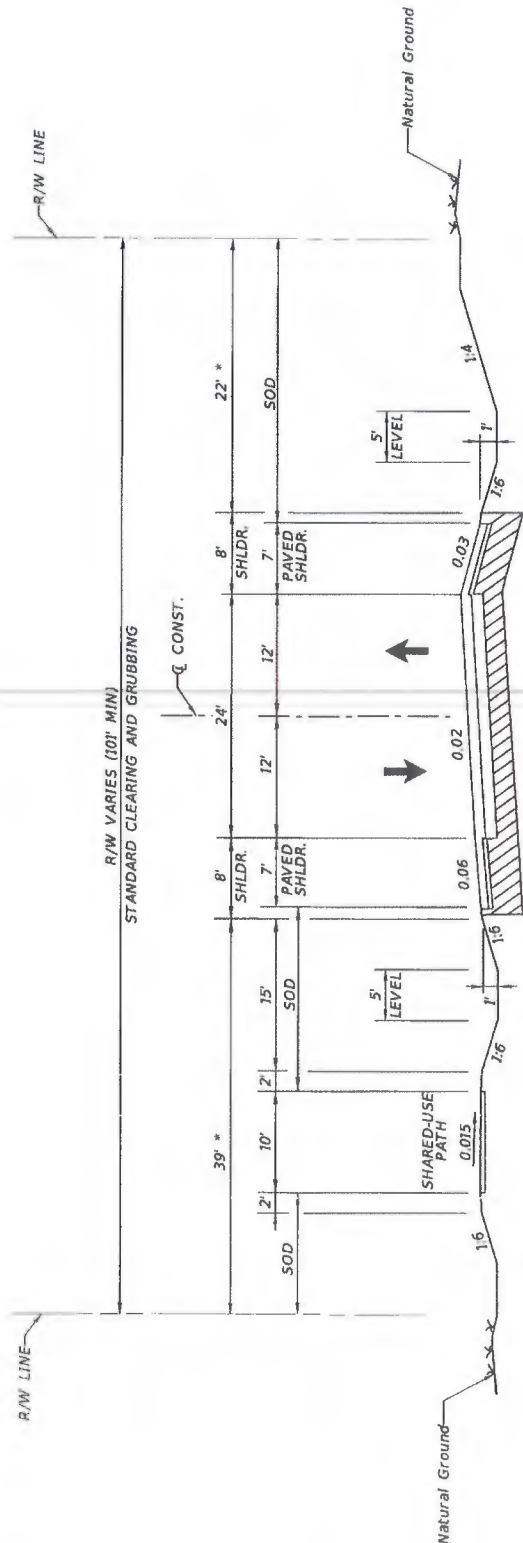
DESIGN SPEED = 55 MPH
 STA. 152+00 TO STA. 204+50
 (M.P. 4.087 TO M.P. 5.084)
 WEBER RD. TO COREY RD.



APPROVED BY: Douglas J. Reed, P.E.
 Date: 11/14/17
 Engineer Of Record: Mario Bizzio, P.E.
 Date: 11/14/17
 FHWA CONCURRENCE: [Signature]
 Date: 11/14/17
 FHWA Transportation Engineer: [Signature]
 Date: 11/14/17

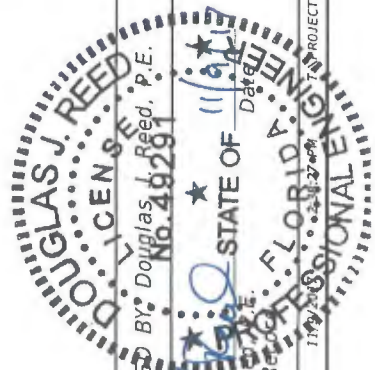
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* VARIATION REQUIRED: 40' STANDARD

DESIGN SPEED = 55 MPH
 STA. 204+50 TO STA. 260+00
 (M.P. 5.084 TO M.P. 6.129)
 COREY RD. TO MARIE ST.



APPROVED BY: *Douglas J. Reed*, P.E.
 Douglas J. Reed
 Engineer of Record

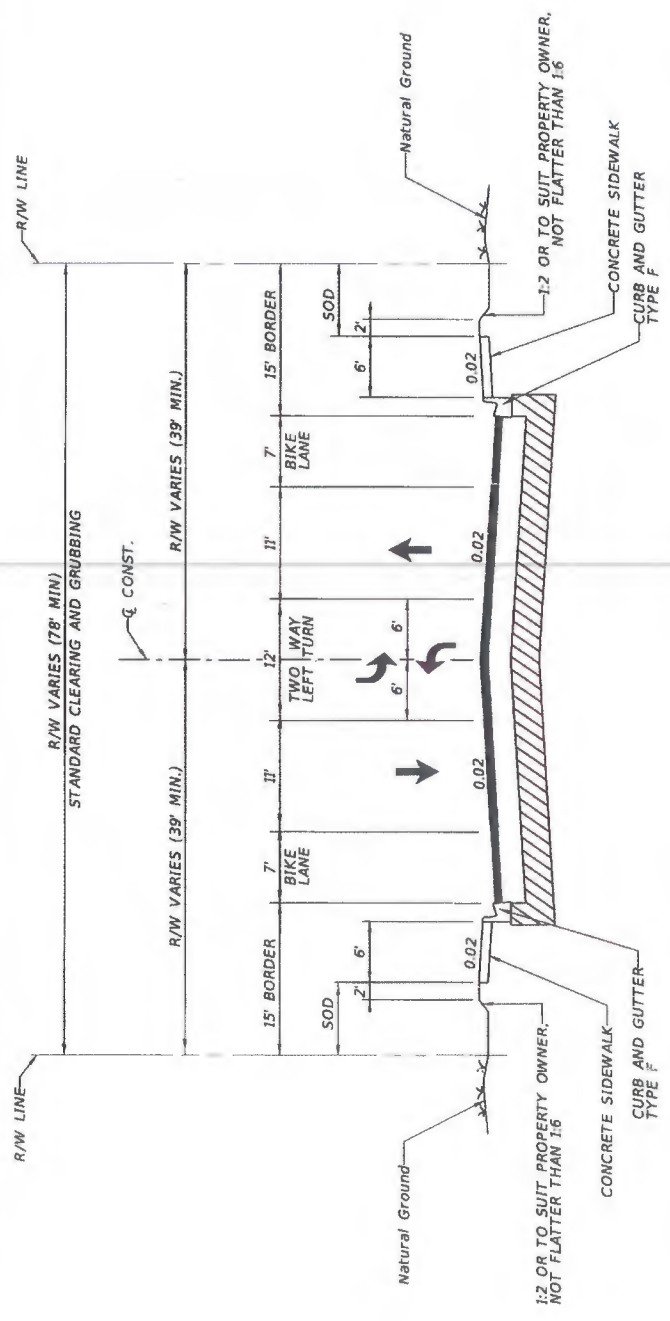
Mario Bizzio, P.E.
 FDOT District Design Engineer

Date 11/14/17

FDOT CONCURRENCE
 FHWA CONCURRENCE

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DESIGN SPEED = 40 MPH
 STA. 260+00 TO STA. 292+10.02
 (M.P. 6.129 TO M.P. 6.742)
 MARIE ST. TO U.S. 1

APPROVED BY: *Douglas J. Reed*, P.E.
 No. 48291
 STATE OF FLORIDA
 ENGINEER OF PROFESSIONAL ENGINEERING

APPROVED BY: *Mario Bizzio*, P.E.
 Date: 11/14/17
 FDOT District Design Engineer
 FDOT CONCURRENCE
 FHWA CONCURRENCE
 Date: _____
 FHWA Transportation Engineer