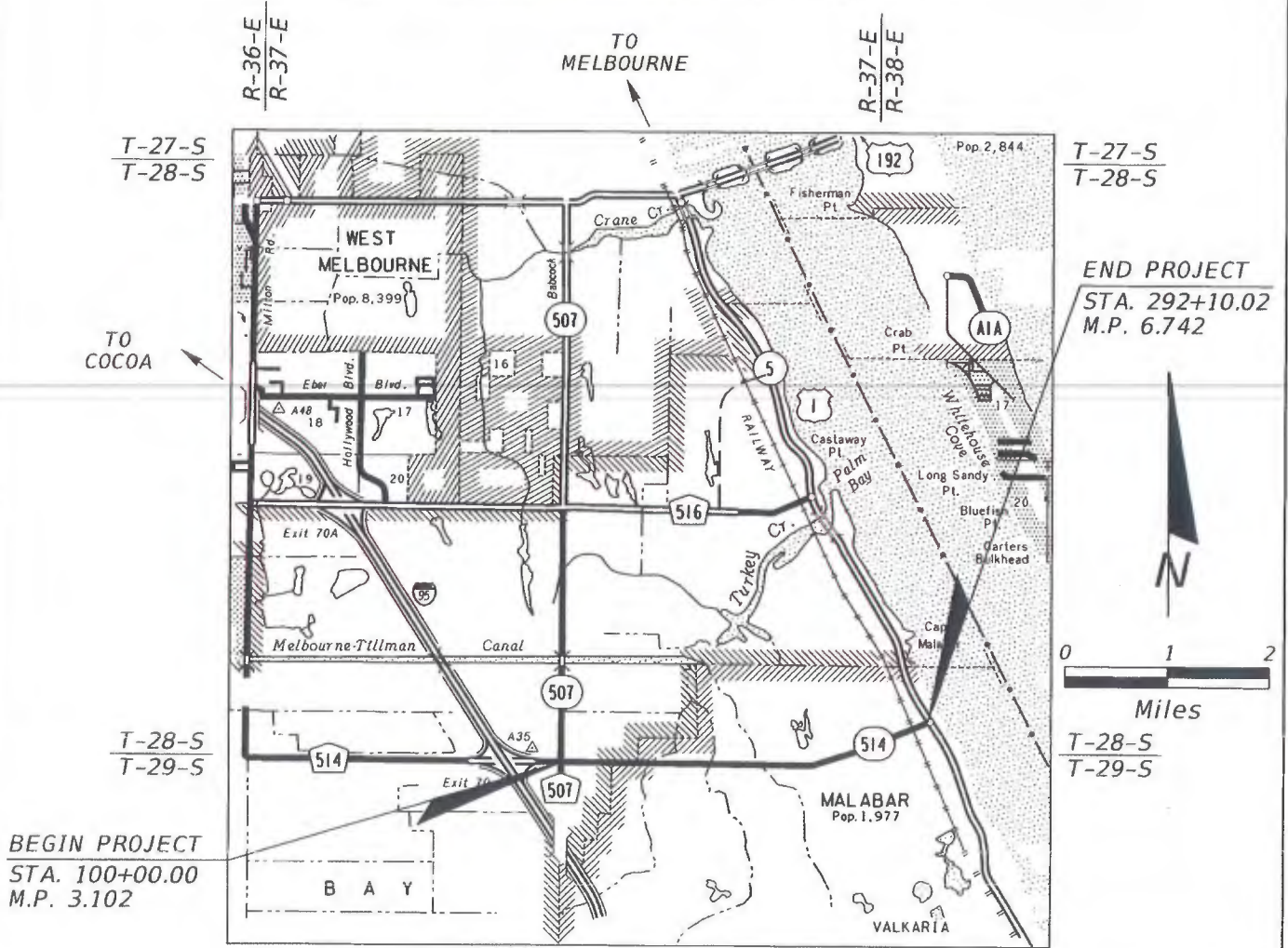


**STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION
TYPICAL SECTION PACKAGE**

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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CRITERIA	DESIGN SPEED APPROVALS																								
<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> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 70%; text-align: center;"> District Design Engineer </td> <td style="width: 30%; text-align: center;"> <u>11/14/17</u> Date </td> </tr> <tr> <td style="width: 70%; text-align: center;"> District Traffic Operations Engineer </td> <td style="width: 30%; text-align: center;"> <u>11/16/17</u> Date </td> </tr> </table>	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	 District Design Engineer	<u>11/14/17</u> Date	 District Traffic Operations Engineer	<u>11/16/17</u> Date
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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 - Century Link/Qwest - City of Cocoa - FEC Rail - Florida City Gas	- Florida Gas Transmission - Florida Power & Light Distribution - Florida Power & Light Transmission - Level 3 Communications - MCI
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- Sprint/Nextel
- TW Telecom

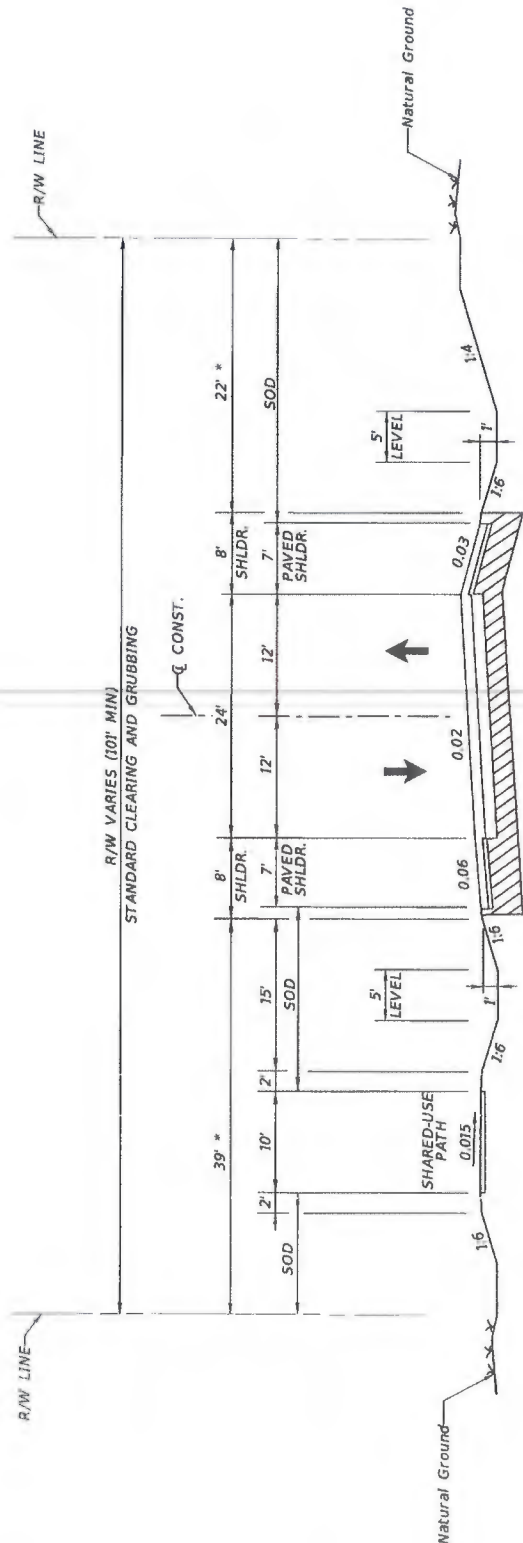
LIST OTHER INFORMATION PERTINENT TO DESIGN OF PROJECT:



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

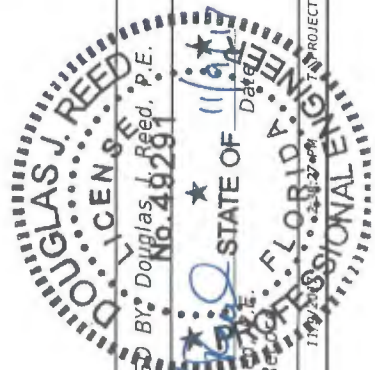
PROJECT IDENTIFICATION

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 (BARCOCK ST) TO US 1



* 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

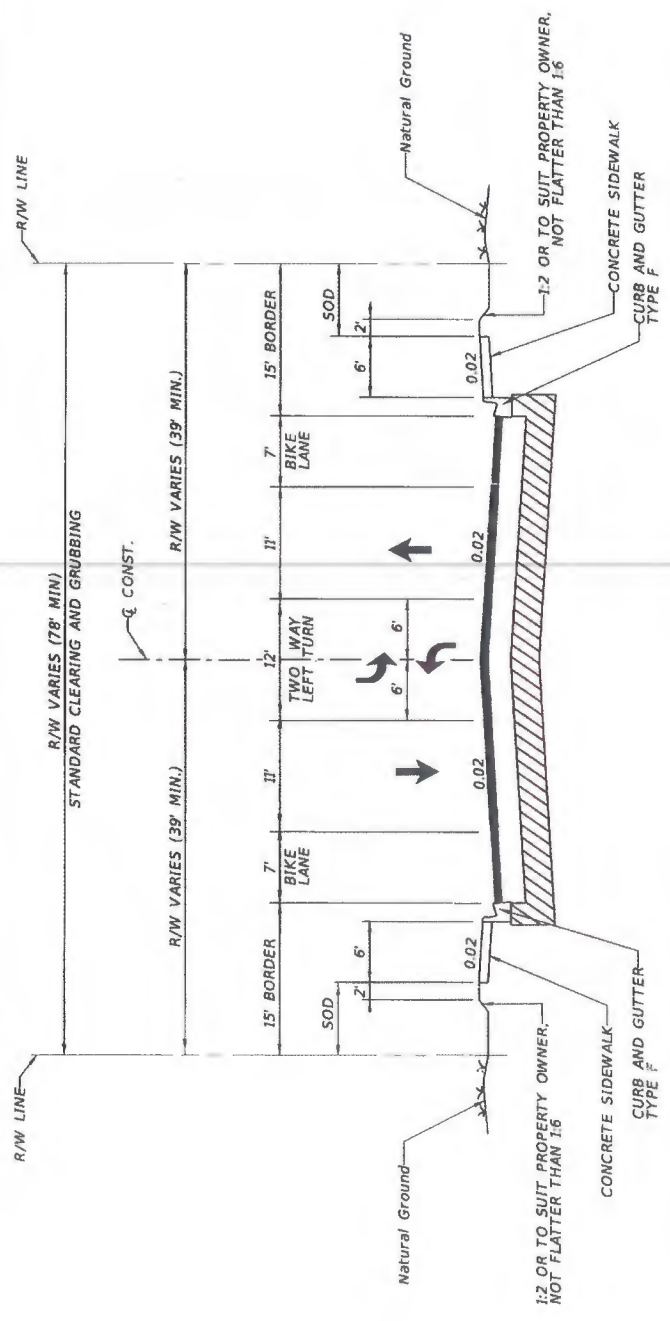
FDOT CONCURRENCE
 Mario Bizzio, P.E.
 FDOT District Design Engineer

FHWA CONCURRENCE
 FHWA Transportation Engineer

11/14/17
 Date

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 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.
 No. 111417
 DATE: 11/14/17
 FDOT District Design Engineer
 FDOT CONCURRENCE
 FHWA CONCURRENCE
 Date: _____
 Date: _____
 FHWA Transportation Engineer