

LEE COUNTY
DEPARTMENT OF TRANSPORTATION

CONTRACT PLANS

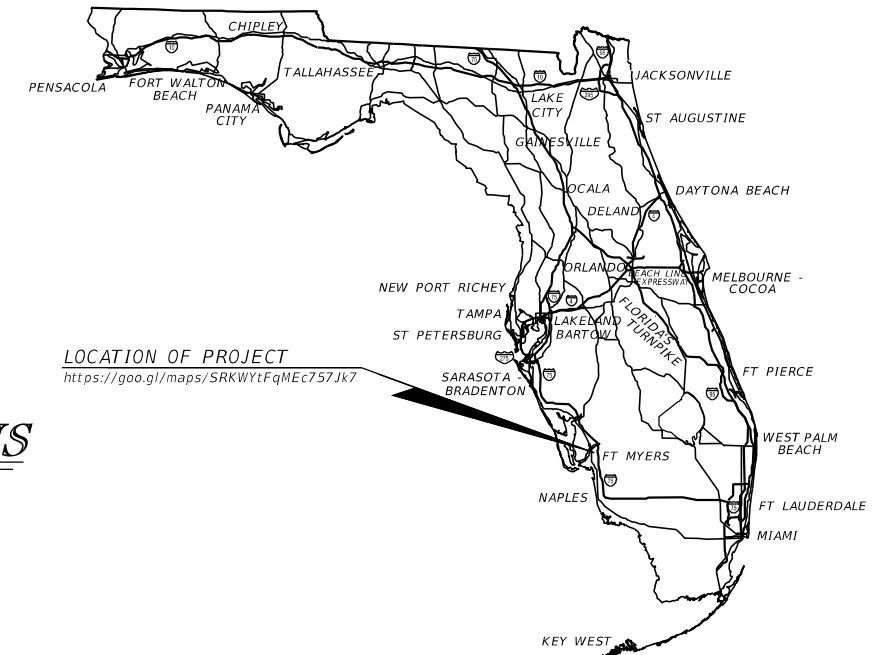
FINANCIAL PROJECT ID 442123-1-58-01
(FEDERAL FUNDS)

BUCKINGHAM RD AT GUNNERY RD N
INTERSECTION IMPROVEMENT (ROUNDBAUT)

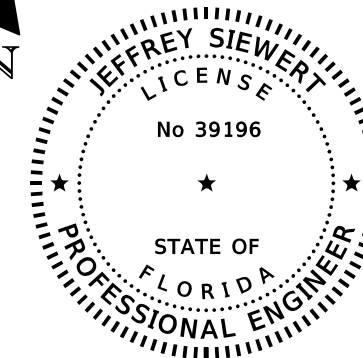
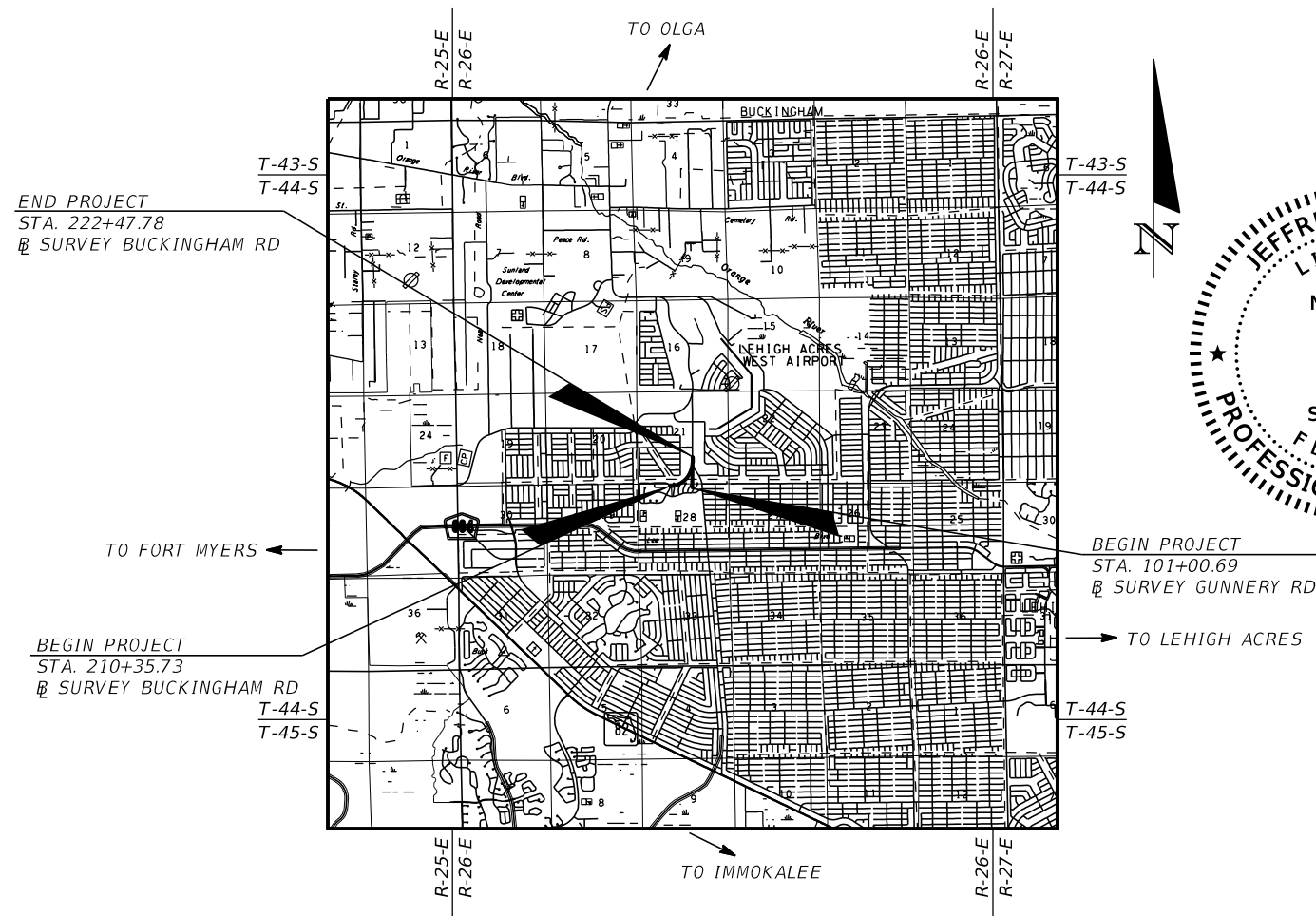
SIGNING AND PAVEMENT MARKING PLANS

INDEX OF SIGNING AND
PAVEMENT MARKING PLANS

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LOCATION OF PROJECT
<https://goo.gl/maps/SRKWYtFqMEc757Jk7>



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**SIGNING AND
PAVEMENT MARKING PLANS**
ENGINEER OF RECORD:
JEFFREY SIEWERT, P.E.
P.E. LICENSE NUMBER 39196
AYRES ASSOCIATES
8875 HIDDEN RIVER PKWY., SUITE 200
TAMPA, FL 33637
813-978-8688

LCDOT PROJECT MANAGER:
KEITH KIDDLE, CGC

FISCAL YEAR	SHEET NO.
24	S-1

TABULATION OF QUANTITIES

PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS												TOTAL THIS SHEET		GRAND TOTAL	
			S-4		S-5		S-6		S-7		PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL
			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL								
0700 1 111	SINGLE COLUMN GROUND SIGN ASSEMBLY F&I, GROUND MOUNT, LESS THAN 12 SF	EA	2		17		1		5								25	25
0700 1 112	SINGLE COLUMN GROUND SIGN ASSEMBLY F&I, GROUND MOUNT, 12.0-20.0 SF	EA			11												11	11
0700 1 500	SINGLE COLUMN GROUND SIGN ASSEMBLY, RELOCATE	EA						1									1	1
0700 1 600	SINGLE COLUMN GROUND SIGN ASSEMBLY, REMOVE	EA	2		3			1									6	6
0700 2 111	MULTI-COLUMN GROUND SIGN ASSEMBLY, F&I GROUND MOUNT, LESS THAN 12 SF	EA			3												3	3
0700 2 112	MULTI-COLUMN GROUND SIGN ASSEMBLY, F&I GROUND MOUNT, 12.0-20.0 SF	EA					1										1	1
0700 2 500	MULTI-COLUMN GROUND SIGN ASSEMBLY, RELOCATE	EA			1		1										2	2
0700 2 600	MULTI-COLUMN GROUND SIGN ASSEMBLY, REMOVE	EA					1										1	1
0710 90	PAINTED PAVEMENT MARKINGS, FINAL SURFACE	LS															1	1
*	RETRO-REFLECTIVE PAVEMENT MARKERS	EA															190	190
*	RETRO-REFLECTIVE PAVEMENT MARKERS - BI-DIRECTIONAL WHITE/RED				16			17									33	33
*	RETRO-REFLECTIVE PAVEMENT MARKERS - BI-DIRECTIONAL YELLOW/YELLOW		23		14		22	67									126	126
*	RETRO-REFLECTIVE PAVEMENT MARKERS - MONO-DIRECTIONAL WHITE/WHITE				7												7	7
*	RETRO-REFLECTIVE PAVEMENT MARKERS - MONO-DIRECTIONAL YELLOW/YELLOW				24												24	24
*	PAINTED PM, STD, WHITE, SOLID, 6"	GM	0.076		0.595		0.094	0.313									1.077	1.077
*	PAINTED PM, STD, WHITE, SOLID, 8"	GM			0.092												0.092	0.092
*	PAINT, STD., WHITE, SOLID, DIAG./CHEVRON, 18"	LF			43												43	43
*	PAINT, WHITE, SOLID, STOP LINES/CROSSWALK, 24"	LF					31										31	31
*	PAINT, STD., WHITE, GUIDE LINE, 6" (2/4)	GM			0.079			0.050									0.129	0.129
*	PAINT, STD., WHITE, GUIDE LINE, 12" (2/2)	GM			0.032												0.032	0.032
*	PAINT, STD., MESSAGE OR SYMBOL	EA			6												6	6
*	PAINT, STD., ARROWS	EA			18			7									25	25
*	PAINTED PM, STD, YELLOW, SOLID, 6"	GM	0.133		0.327		0.146	0.409									1.015	1.015
*	PAINT, STD., YELLOW, SOLID, DIAG/CHEVRONS, 18"	LF	46		42		21	108									217	217
*	PAINT, STD., YELLOW, SOLID, ISLAND NOSE	SF			13												13	13
0711 11124	THERMOPLASTIC, STANDARD, WHITE, SOLID, 18" FOR DIAGONALS AND CHEVRONS	LF			43												43	43
0711 11125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOPLINE AND CROSSWALK	LF					31										31	31
0711 11141	THERMOPLASTIC, STANDARD, WHITE, 2-4 DOTTED GUIDELINE/ 6-10 GAP EXTENSION, 6"	GM			0.079			0.050									0.129	0.129
0711 11144	THERMOPLASTIC, STANDARD, WHITE, 2-2 DOTTED GUIDELINE, 12" FOR ROUNDABOUT	GM			0.032												0.032	0.032
0711 11160	THERMOPLASTIC, STANDARD, WHITE, MESSAGE OR SYMBOL	EA															8	8
	MERGE				2												2	2
	YIELD				6												6	6
0711 11170	THERMOPLASTIC, STANDARD, WHITE, ARROW	EA															25	25
	LANE REDUCTION				2													
	LEFT				2			3									5	5
	RIGHT				2			3									5	5
	THRU				6			1									7	7
	LEFT / THRU				4												4	4
	THRU / RIGHT				2												2	2
0711 11224	THERMOPLASTIC, STANDARD, YELLOW, SOLID, 18" FOR DIAGONAL OR CHEVRONS	LF	46		42		21	108									217	217
0711 14123	THERMOPLASTIC, PREFORMED, WHITE, SOLID, 12" FOR CROSSWALK	LF			321			91									412	412
0711 14125	THERMOPLASTIC, PREFORMED, WHITE, SOLID, 24" FOR CROSSWALK	LF			200			60									260	260
0711 14160	THERMOPLASTIC, PREFORMED, WHITE, MESSAGE (BIKE)	EA						2									2	2
0711 14170	THERMOPLASTIC, PREFORMED, WHITE, ARROW (BIKE THRU)	EA						2									2	2
0711 16101	THERMOPLASTIC, STANDARD, OTHER SURFACES, WHITE, SOLID, 6"	GM	0.076		0.595		0.094	0.313									1.077	1.077
0711 16102	THERMOPLASTIC, STANDARD, OTHER SURFACES, WHITE, SOLID, 8"	GM			0.092												0.092	0.092
0711 16201	THERMOPLASTIC, STANDARD, OTHER SURFACES, YELLOW, SOLID, 6"	GM	0.133		0.327		0.146	0.409									1.015	1.015

* THESE QUANTITIES ARE PAID FOR UNDER PAINTED PAVEMENT MARKINGS (FINAL SURFACE), LUMP SUM - ITEM NO. 710-90. THE QUANTITIES SHOWN ARE FOR ONE APPLICATION; SEE SPECIFICATION 710 FOR THE NUMBER OF APPLICATIONS REQUIRED.

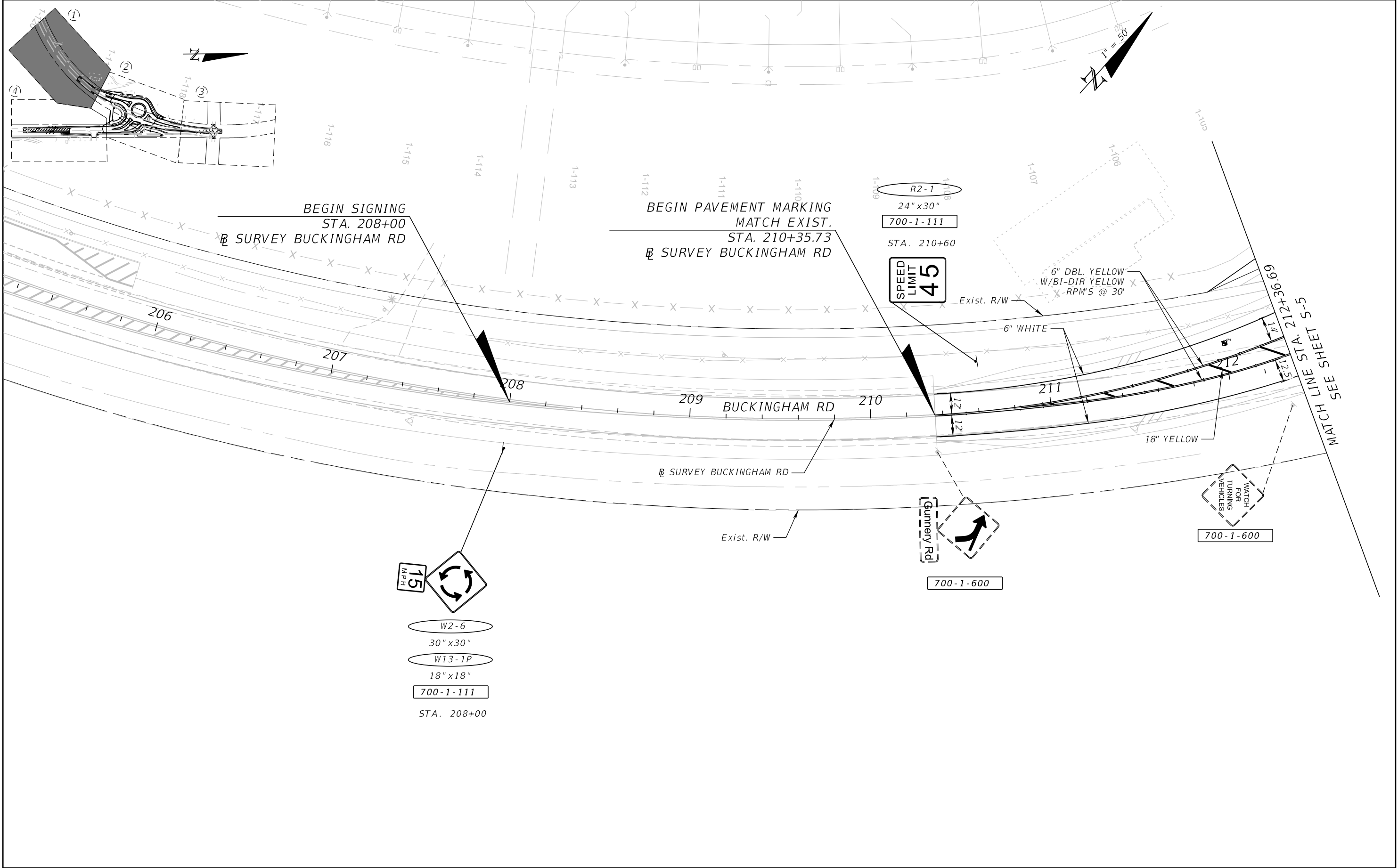
<table border="1"> <thead> <tr> <th colspan="4">REVISIONS</th> </tr> <tr> <th>DATE</th> <th>DESCRIPTION</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>				REVISIONS				DATE	DESCRIPTION	DATE	DESCRIPTION					JEFFREY SIEWERT, P.E. P.E. LICENSE NUMBER 39196 AYRES ASSOCIATES 8875 HIDDEN RIVER PKWY, SUITE 200 TAMPA, FL 33637		BUCKINGHAM RD & GUNNERY RD ROUNDABOUT FINANCIAL PROJECT ID 442123-1-58-01	TABULATION OF QUANTITIES	SHEET NO. S-2
REVISIONS																				
DATE	DESCRIPTION	DATE	DESCRIPTION																	

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SIGNING AND PAVEMENT MARKING NOTES

1. CONTRACTOR TO USE CURRENT LCDOT DESIGN STANDARDS FOR SIGN INSTALLATION. SEE FOLLOWING WEBSITE: <https://www.leegov.com/dot/traffic/trafficsigninstallation>
2. UNLESS OTHERWISE NOTED ON PLAN SHEETS, ALL CROSSWALKS SHALL BE TEN FEET (10') IN WIDTH. MEASUREMENTS SHALL BE FROM INSIDE TO INSIDE OF 12" STRIPES.
3. ALL PAVEMENT MARKINGS AND CROSSING MARKINGS ARE TO CONFORM TO FDOT STANDARD PLANS INDEX NO. 711-001 AND 711-002 UNLESS OTHERWISE SHOWN ON PLANS.
4. REFER TO FDOT STANDARD PLANS INDEX NO. 706-001 FOR PLACEMENT, TYPE AND SPACING OF ALL REFLECTIVE PAVEMENT MARKERS (RPM'S) UNLESS OTHERWISE SHOWN ON PLANS.
5. FINAL ASPHALT COURSE SHALL HAVE A TEMPORARY PAVEMENT MARKINGS FOR 14 DAYS PRIOR TO INSTALLATION OF FINAL (PERMANENT) THERMOPLASTIC MARKINGS.
6. ALL THE TEMPORARY PAVEMENT MARKINGS NOT FULLY COVERED BY THE PERMANENT PAVEMENT SHALL BE REMOVED PRIOR TO INSTALLING FINAL (PERMANENT) THERMOPLASTIC MARKINGS.

REVISIONS				JEFFREY SIEWERT, P.E. P.E. LICENSE NUMBER 39196 AYRES ASSOCIATES 8875 HIDDEN RIVER PKWY, SUITE 200 TAMPA, FL 33637		BUCKINGHAM RD & GUNNERY RD ROUNDABOUT FINANCIAL PROJECT ID 442123-1-58-01	GENERAL NOTES	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION					S-3



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JEFFREY SIEWERT, P.E.
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SUITE 200
TAMPA, FL 33637

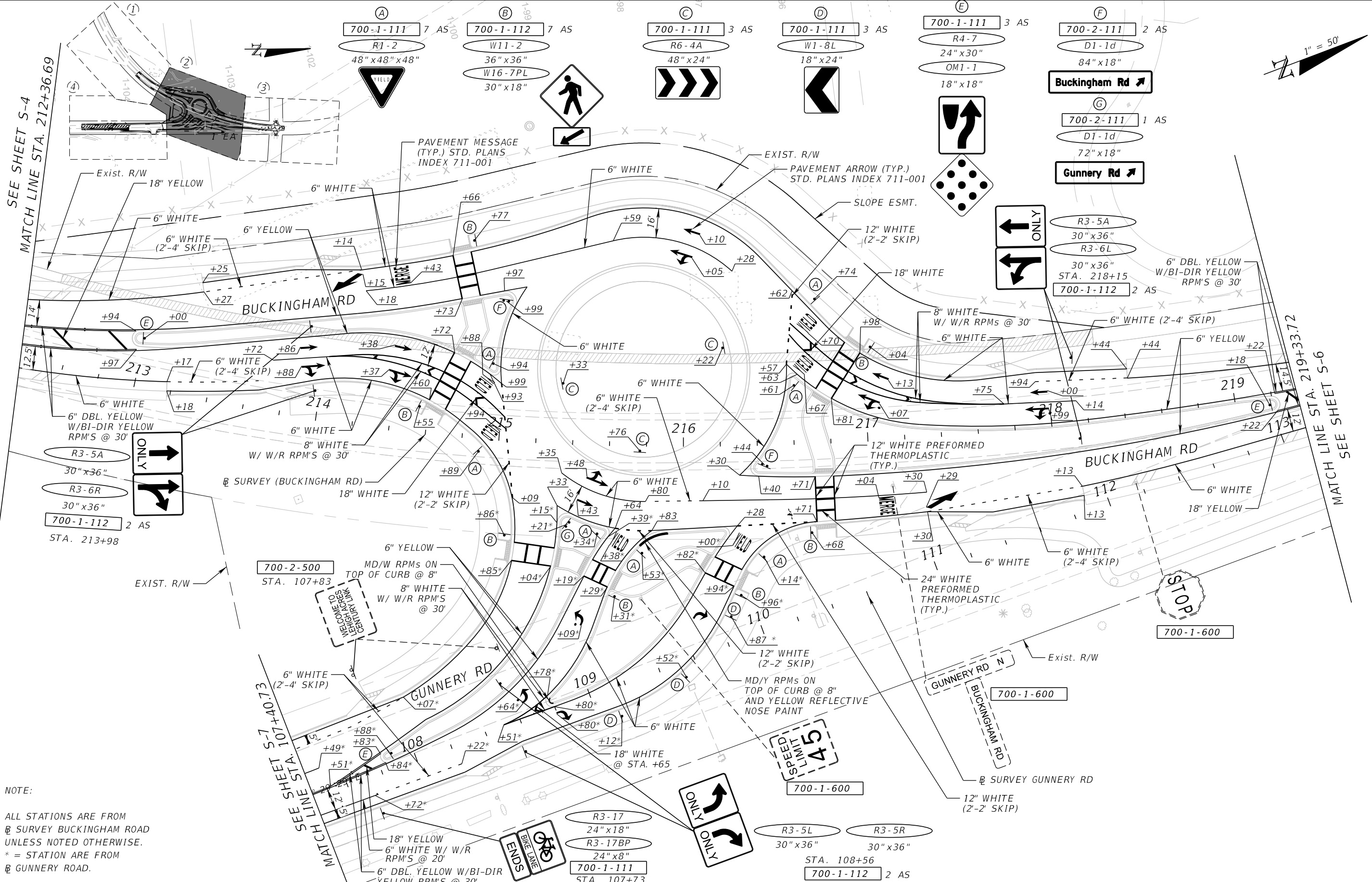
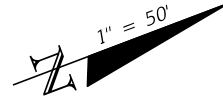


BUCKINGHAM RD & GUNNER RD
ROUNDABOUT
FINANCIAL PROJECT ID
442123-1-58-01

**SIGNING AND PAVEMENT
MARKING PLAN (1)**

SHEET NO.
S-4

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NOTE:
 ALL STATIONS ARE FROM
 SURVEY BUCKINGHAM ROAD
 UNLESS NOTED OTHERWISE.
 * = STATION ARE FROM
 GUNNERY ROAD.

- (A) 700-1-111 7 AS
R1-2
48" x 48" x 48"
- (B) 700-1-112 7 AS
W11-2
36" x 36"
W16-7PL
30" x 18"
- (C) 700-1-111 3 AS
R6-4A
48" x 24"
- (D) 700-1-111 3 AS
W1-8L
18" x 24"
- (E) 700-1-111 3 AS
R4-7
24" x 30"
OM1-1
18" x 18"
- (F) 700-2-111 2 AS
D1-1d
84" x 18"

- (G) 700-2-111 1 AS
D1-1d
72" x 18"
- R3-5A
30" x 36"
- R3-6L
30" x 36"
- 700-1-112 2 AS
STA. 218+15

- R3-5A
30" x 36"
- R3-6R
30" x 36"
- 700-1-112 2 AS
STA. 213+98

700-2-500
 STA. 107+83
 MD/W RPM'S ON
 TOP OF CURB @ 8"
 8" WHITE
 W/ W/R RPM'S
 @ 30'

700-1-600
 STA. 108+56

REVISIONS			
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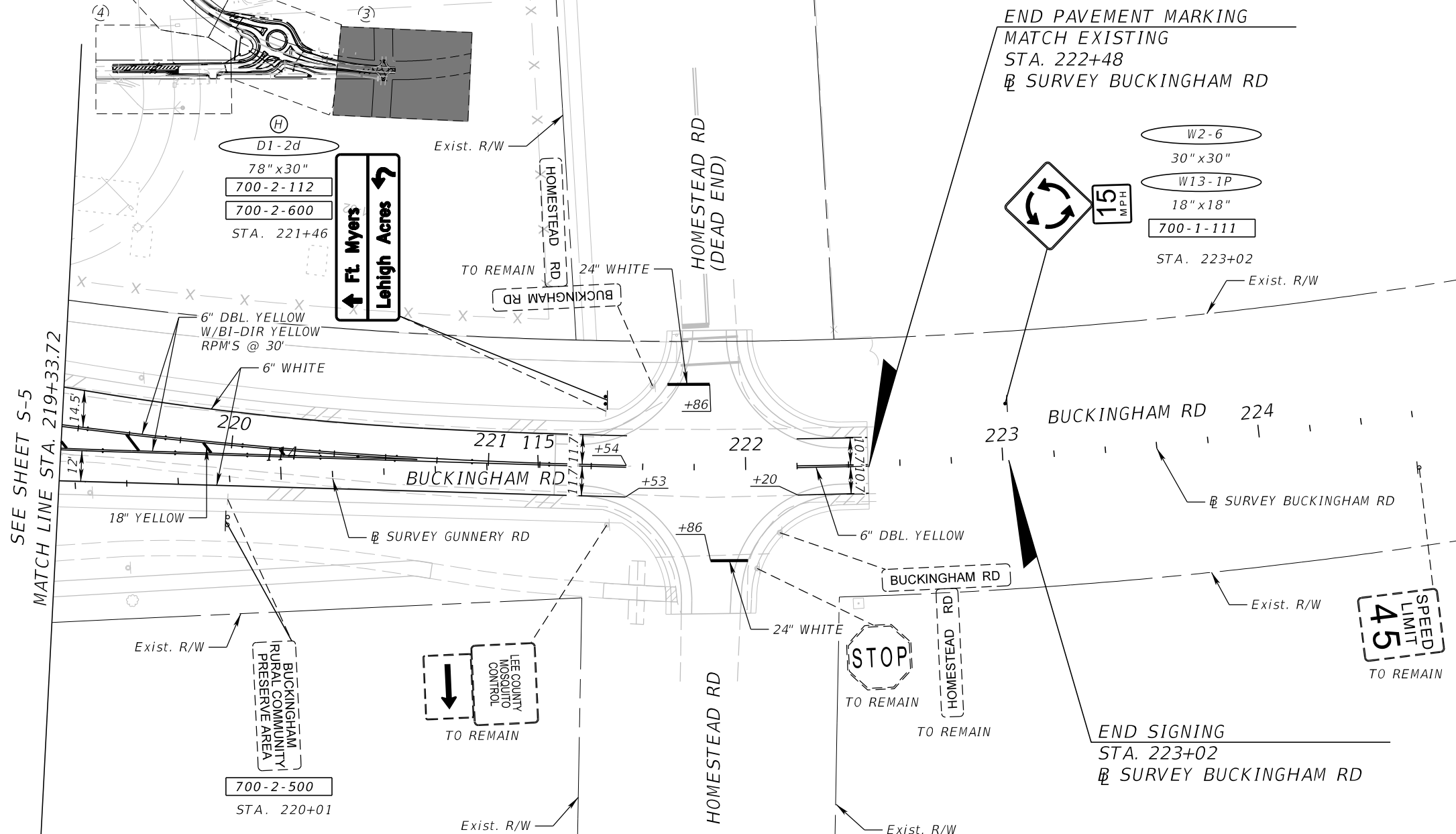
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 SUITE 200
 TAMPA, FL 33637

BUCKINGHAM RD & GUNNERY RD
 ROUNDABOUT
 FINANCIAL PROJECT ID
 442123-1-58-01

**SIGNING AND PAVEMENT
 MARKING PLAN (2)**

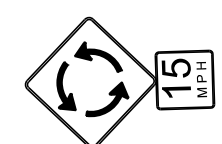
SHEET
 NO.
 S-5

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END PAVEMENT MARKING
MATCH EXISTING
STA. 222+48
SURVEY BUCKINGHAM RD

W2-6
30" x 30"
W13-1P
18" x 18"
700-1-111
STA. 223+02



BUCKINGHAM RD 224



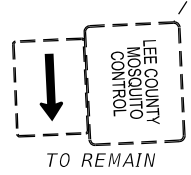
END SIGNING
STA. 223+02
SURVEY BUCKINGHAM RD

SEE SHEET S-5
MATCH LINE STA. 219+33.72

D1-2d
78" x 30"
700-2-112
700-2-600
STA. 221+46



BUCKINGHAM RURAL COMMUNITY PRESERVE AREA
700-2-500
STA. 220+01



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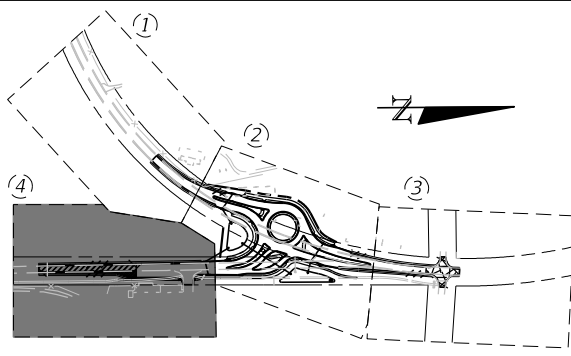
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AYRES ASSOCIATES
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SUITE 200
TAMPA, FL 33637



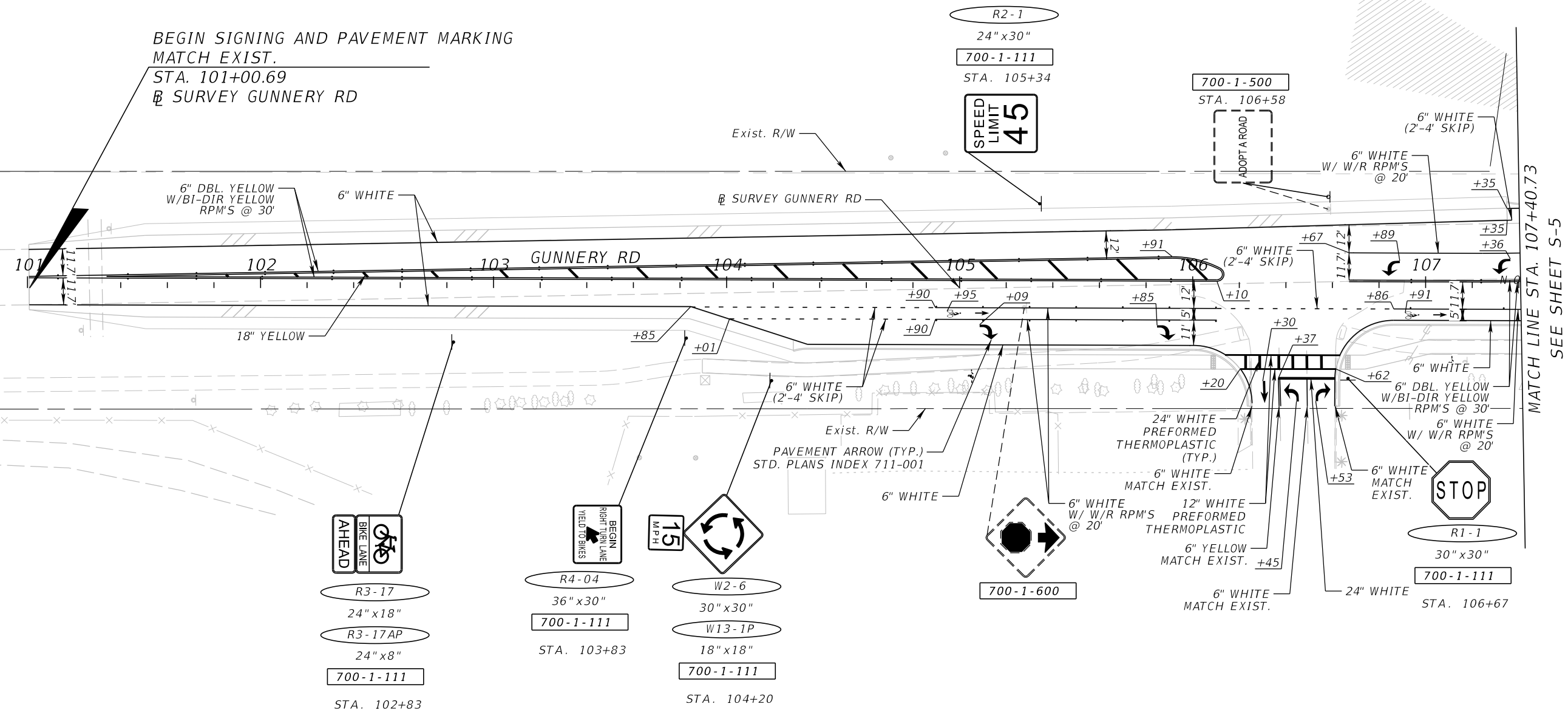
BUCKINGHAM RD & GUNNERY RD
ROUNDAABOUT
FINANCIAL PROJECT ID
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**SIGNING AND PAVEMENT
MARKING PLAN (3)**

SHEET NO.
S-6



1" = 50'



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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 SUITE 200
 TAMPA, FL 33637



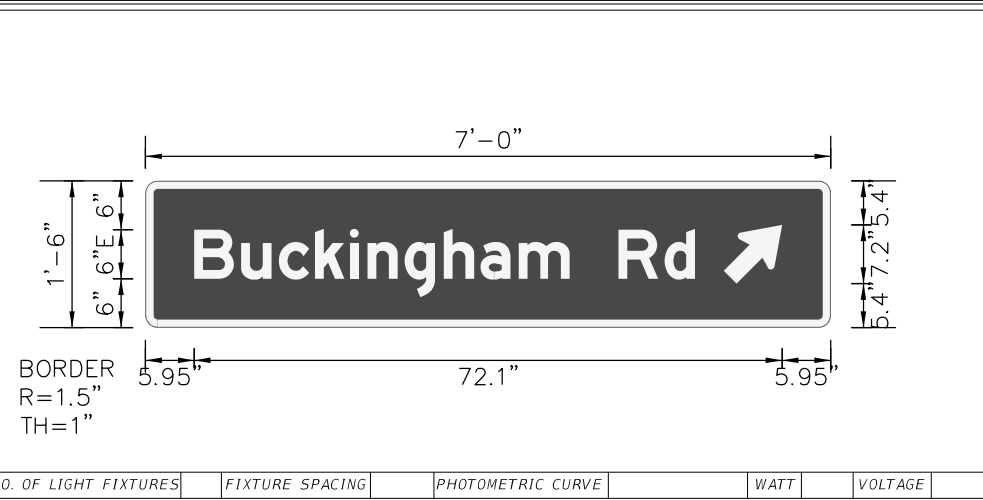
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**SIGNING AND PAVEMENT
 MARKING PLAN (4)**

SHEET NO.
 S-7

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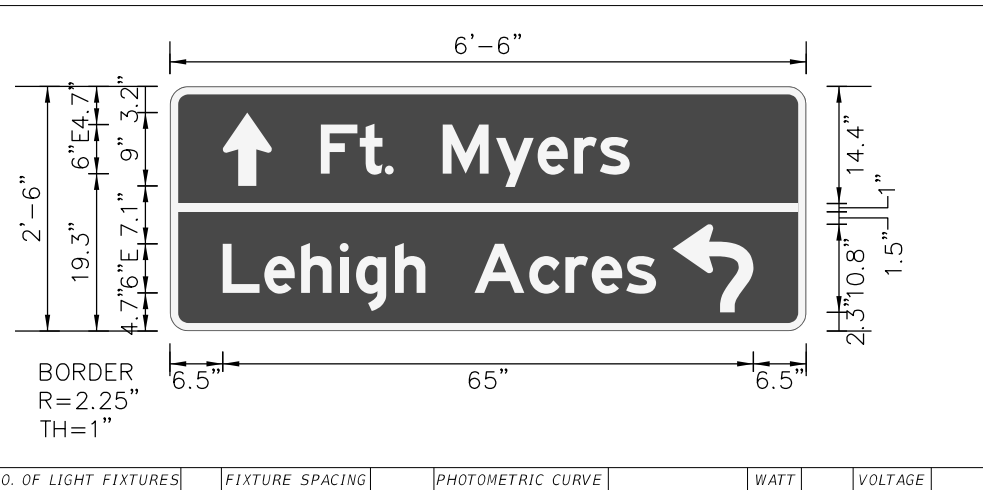
SIGN NAME F		QTY 2	SIGN NUMBER		STATION(S) 214+99
PANEL		BORDER			
WIDTH 7'-0"	WIDTH 1"				
HEIGHT 1'-6"	RADII 1.5"				
LEGEND White	COLOR White				
COLOR Green					
SYMBOL(S)	ANGLE	X	Y	WID	HT
AR_Type D	314.8	70.9	5.4	6	9
SIGN NUMBER	NUMBER OF POSTS	CLEARANCE Edge of Land	COLUMN SIZE W-BEAM	W-BEAM	AVERAGE LENGTH
F	2	3.5'	3x5.7"	3x5.7"	11'



NO. OF LIGHT FIXTURES	FIXTURE SPACING	PHOTOMETRIC CURVE	WATT	VOLTAGE
-----------------------	-----------------	-------------------	------	---------

COPY	B	u	c	k	i	n	g	h	a	m	R	d	L			
SPACE	6	5.8	4.6	4.4	4.3	2.2	4.6	4.8	4.5	4.7	6.2	6	5.6	3.7	16.7	61.4
COPY																
SPACE																
COPY																
SPACE																
COPY																
SPACE																
COPY																
SPACE																
COPY																
SPACE																

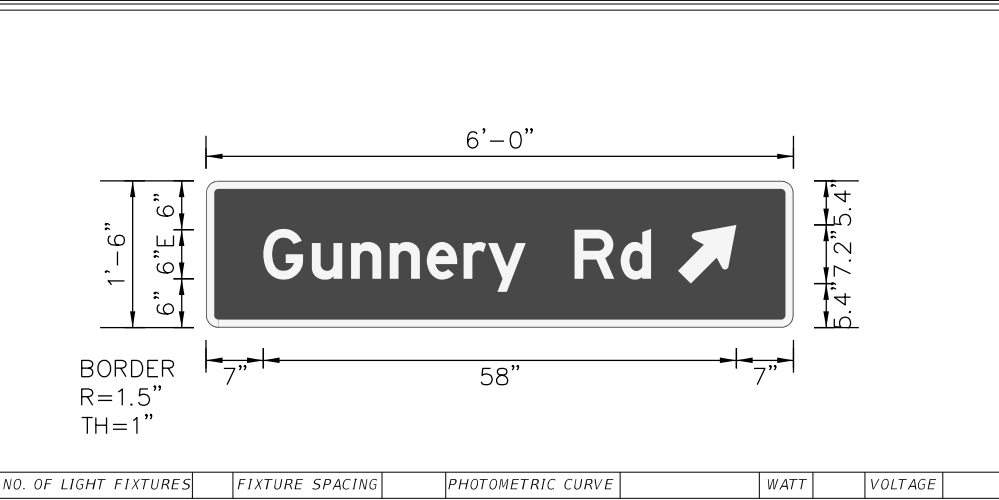
SIGN NAME H		QTY 1	SIGN NUMBER		STATION(S) 221+46
PANEL		BORDER			
WIDTH 6'-6"	WIDTH 1"				
HEIGHT 2'-6"	RADII 2.25"				
LEGEND White	COLOR White				
COLOR Green					
SYMBOL(S)	ANGLE	X	Y	WID	HT
AR_Type D	0	6.5	17.8	6	9
AR_FISHHOOK	0	61.6	2.3	9.9	10.8
SIGN NUMBER	NUMBER OF POSTS	CLEARANCE Edge of Land	COLUMN SIZE W-BEAM	W-BEAM	AVERAGE LENGTH
H	2	11'	3x5.7"	3x5.7"	11'



NO. OF LIGHT FIXTURES	FIXTURE SPACING	PHOTOMETRIC CURVE	WATT	VOLTAGE
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COPY	F	t	.	M	y	e	r	s	L			
SPACE	18.5	4.8	3.1	1.1	6	6.5	5.1	4.5	3.1	3.7	21.7	37.9
COPY												
SPACE												
COPY												
SPACE												
COPY												
SPACE												
COPY												
SPACE												
COPY												
SPACE												

SIGN NAME G		QTY 1	SIGN NUMBER		STATION(S) 109+21
PANEL		BORDER			
WIDTH 6'-0"	WIDTH 1"				
HEIGHT 1'-6"	RADII 1.5"				
LEGEND White	COLOR White				
COLOR Green					
SYMBOL(S)	ANGLE	X	Y	WID	HT
AR_Type D	314.8	57.8	5.4	6	9
SIGN NUMBER	NUMBER OF POSTS	CLEARANCE Edge of Land	COLUMN SIZE W-BEAM	W-BEAM	AVERAGE LENGTH
G	2	3.5'	3x5.7"	3x5.7"	11'



NO. OF LIGHT FIXTURES	FIXTURE SPACING	PHOTOMETRIC CURVE	WATT	VOLTAGE
-----------------------	-----------------	-------------------	------	---------

COPY	G	u	n	n	e	r	y	R	d	L			
SPACE	7	5.9	4.8	4.7	4.6	4.5	3	4.6	6	5.6	3.7	17.5	47.5
COPY													
SPACE													
COPY													
SPACE													
COPY													
SPACE													
COPY													
SPACE													
COPY													
SPACE													

SIGN NAME		QTY	SIGN NUMBER		STATION(S)
PANEL		BORDER			
WIDTH	WIDTH				
HEIGHT	RADII				
LEGEND	COLOR				
COLOR					
SYMBOL(S)	ANGLE	X	Y	WID	HT
SIGN NUMBER	NUMBER OF POSTS	CLEARANCE Edge of Land	COLUMN SIZE	W-BEAM	AVERAGE LENGTH

NO. OF LIGHT FIXTURES	FIXTURE SPACING	PHOTOMETRIC CURVE	WATT	VOLTAGE
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COPY												
SPACE												
COPY												
SPACE												
COPY												
SPACE												
COPY												
SPACE												
COPY												
SPACE												

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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BUCKINGHAM RD & GUNNER RD
ROUNDABOUT
FINANCIAL PROJECT ID
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GUIDE SIGN
WORKSHEET

SHEET NO.
S-8

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