

The purpose of this Appendix is to establish the minimum requirements for signing and pavement markings design in relation to toll sites. Signing and pavement markings applicable to toll sites are included in this Appendix for use on associated projects. This includes signage for AET and existing cash toll sites where signing and pavement marking improvements are required. Additional details are available in Florida's Highway Sign Library (<https://www.fdot.gov/traffic/TrafficServices/SignLibrary/Sign-Library.shtm>) and on the Florida's Turnpike Design website (<https://floridasturnpike.com/business-oportunities/design/>). Please contact the Florida's Turnpike Enterprise Traffic Design Engineer (407-264-3150) for additional information as needed.

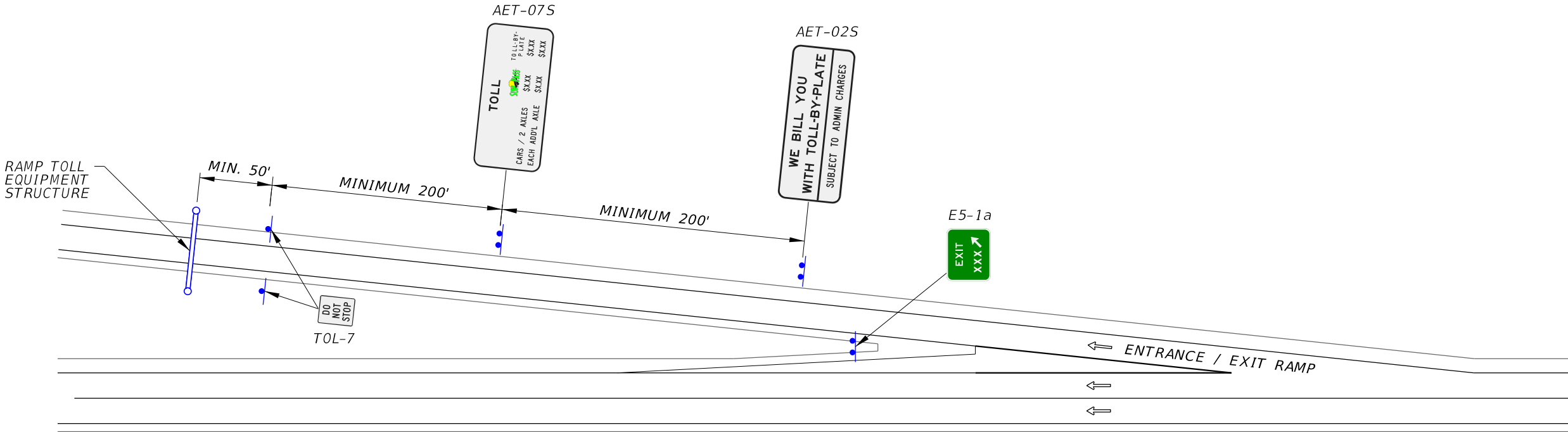
SHEET INDEX

101-1	INTRODUCTION TO APPENDIX 4
102-2	ALL ELECTRONIC TOLLING ENTRANCE/EXIT RAMP TYPICAL SIGNING LAYOUT
102-3	ALL ELECTRONIC TOLLING MAINLINE TOLL TYPICAL SIGNING LAYOUT
102-4	ALL ELECTRONIC TOLLING TOLL-BY-PLATE SIGN PANELS
102-7	ALL ELECTRONIC TOLLING FEE SCHEDULE SIGN PANELS
104-1	DUAL DEDICATED MAINLINE TOLL PLAZA SIGNING AND PAVEMENT MARKING LAYOUT
104-2	RAMP TOLL PLAZA TYPICAL SUNPASS SIGNING AND PAVEMENT MARKINGS
104-3	TOLL PLAZA SIGNING DETAILS APPROACH SIGN PANELS
104-4	TOLL PLAZA SIGNING DETAILS APPROACH SIGN PANELS
104-5	TOLL PLAZA SIGNING DETAILS APPROACH SIGN PANELS
104-6	TOLL PLAZA SIGNING DETAILS APPROACH SIGN PANELS
105-1	ORT MAINLINE TOLL PLAZA SIGNING LAYOUT
105-2	ORT SIGNING DETAILS MAINLINE SIGN PANELS
105-3	ORT SIGNING DETAILS MAINLINE SIGN PANELS
105-4	ORT SIGNING DETAILS MAINLINE SIGN PANELS
106-1	TOLL PLAZA SIGNING DETAILS MAINLINE CANOPY MOUNTED SIGN PANELS
106-2	TOLL PLAZA SIGNING DETAILS MAINLINE CANOPY MOUNTED SIGN PANELS
106-3	TOLL PLAZA SIGNING DETAILS MAINLINE CANOPY MOUNTED SIGN PANELS
106-4	TOLL PLAZA SIGNING DETAILS RAMP CANOPY MOUNTED SIGN PANELS
107-1	CASH LANE TOLL PLAZA SIGNING LAYOUT
107-2	COIN LANE TOLL PLAZA SIGNING LAYOUT
107-3	SUNPASS LANE TOLL PLAZA SIGNING LAYOUT
107-4	TOLL PLAZA SPECIAL DETAILS
107-5	TOLL PLAZA SPECIAL DETAILS
107-6	PLAZA AREA SIGNING DETAILS SIGN PANELS
107-7	PLAZA & GANTRY AREA SIGNING DETAILS SIGN PANELS
108-3	SPECIAL SIGN DETAILS
109-1	MISCELLANEOUS DETAILS SIGN PLACEMENT

9/28/2022	R E V I S I O N S						STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			INTRODUCTION TO APPENDIX 4		SHEET NO.
	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION						101-1
							ROAD NO.	COUNTY	FINANCIAL PROJECT ID			

FOR REFERENCE ONLY

See FDM Exhibit 230-16b



Typical Entrance / Exit Ramp Signing
With Toll Equipment Structure

N.T.S.

NOTES:

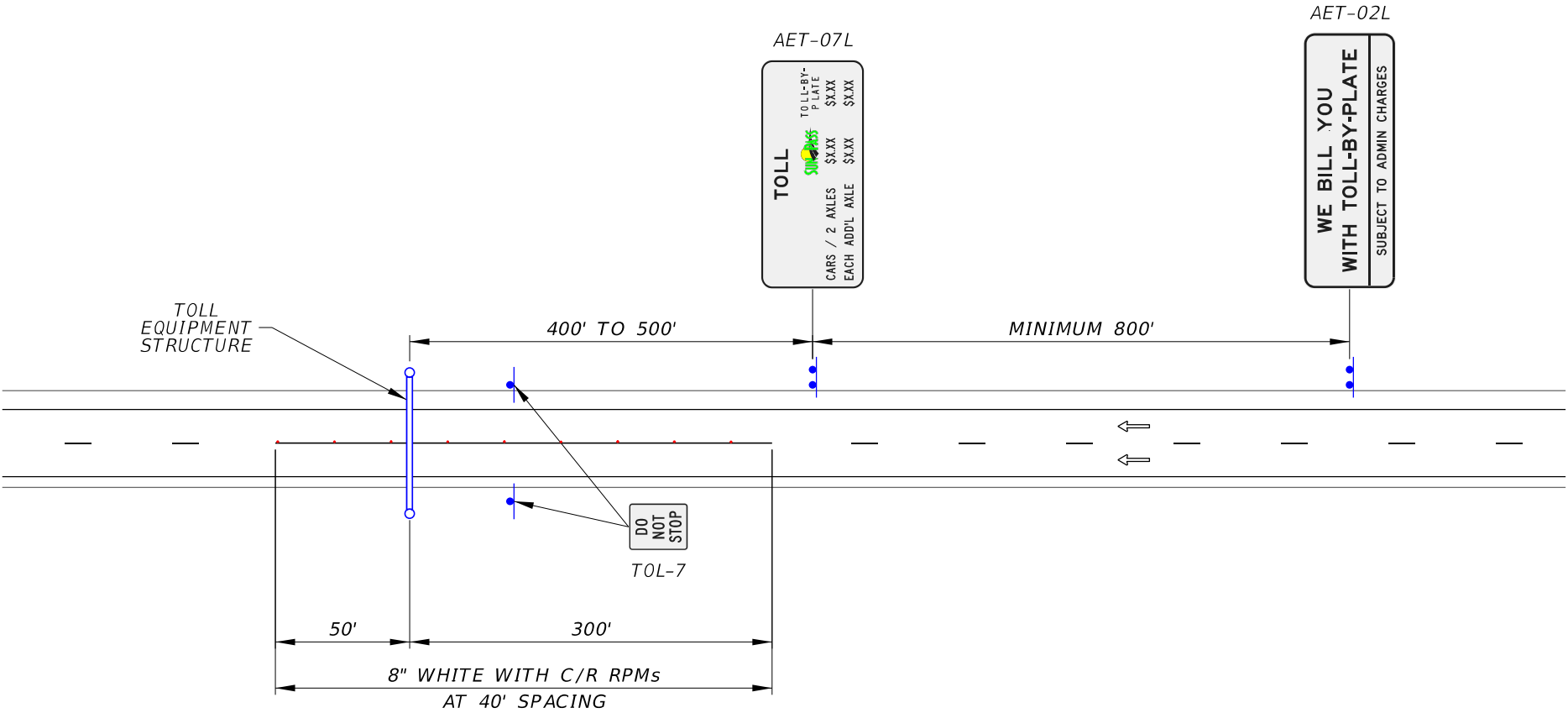
1. MINIMUM SPACING DISTANCES FOR SIGNS SHALL CONFORM TO THE TRAFFIC ENGINEERING MANUAL AND F.A.C. RULE CHAPTER 14-51, TABLE 1.
2. TWO TOL-7 (DO NOT STOP) SIGNS ARE REQUIRED PER DIRECTION OF TRAVEL.
3. PLACEMENT OF AET-07S AND AET-02S SIGNS MAY BE BEFORE OR AFTER THE GANTRY, IF FIELD CONSTRAINTS WARRANT IT.
4. STRIPING FOR MULTI-LANE RAMP TOLL SITE MUST CONFORM TO STRIPING SHOWN ON SHEET NO. 102-3.

8/25/2025

REVISIONS						STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION	ALL ELECTRONIC TOLLING ENTRANCE/EXIT RAMP TYPICAL SIGNING LAYOUT			SHEET NO. 102-2
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION					
						ROAD NO.	COUNTY	FINANCIAL PROJECT ID		

FOR REFERENCE ONLY

See FDM Exhibit 230-16c



Mainline Toll Equipment Structure

N.T.S.

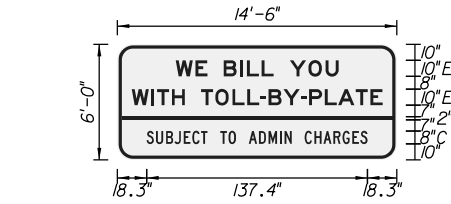
NOTES:

1. MINIMUM SPACING DISTANCES FOR SIGNS SHALL CONFORM TO THE TRAFFIC ENGINEERING MANUAL AND F.A.C. RULE CHAPTER 14-51, TABLE 1.
2. TWO TOL-7 (DO NOT STOP) SIGNS ARE REQUIRED PER DIRECTION OF TRAVEL.
3. PLACEMENT OF AET-07L AND AET-02L SIGNS MAY BE BEFORE OR AFTER THE GANTRY, IF FIELD CONSTRAINTS WARRANT IT.

8/25/2025

REVISIONS						STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION	ALL ELECTRONIC TOLLING ENTRANCE/EXIT RAMP TYPICAL SIGNING LAYOUT			SHEET NO. 102-3
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION					
						ROAD NO.	COUNTY	FINANCIAL PROJECT ID		

SIGN NAME	AET-02S	QTY	I	SIGN NUMBER	STATION(S)
PANEL	BORDER				none
WIDTH	14'-6"	WIDTH	2"		
HEIGHT	6'-0"	RADII	9"		
LEGEND	Black	COLOR	Black		
COLOR	White				
SYMBOL(S)	ANGLE	X	Y	WID	HT
SIGN NUMBER	NUMBER OF POSTS	CLEARANCE Edge Of Lane	COLUMN SIZE		AVERAGE LENGTH

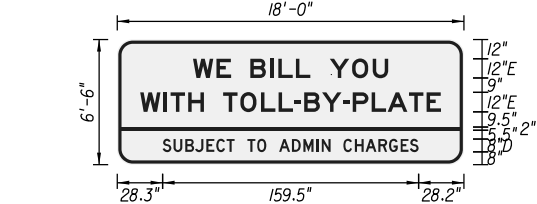


RAMP APPLICATIONS

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

COPY		W	E		B	I	L	L		Y	O	U		L								
SPACE	36.3	12.3	7.5	10	10.1	4.4	9.2	7.5	10	11.6	10.7	8.1	36.3	101.4								
COPY		W	I	T	H		T	O	L	L	-	B	Y	-	P	L	A	T	E		L	
SPACE	8.9	12.3	3.5	9.2	8.1	10	8.9	10.7	9.2	8.2	5.1	9.2	10.9	5.1	9.8	8.3	11	9.2	7.5	8.9	156.2	
COPY		S	U	B	J	E	C	T		T	O		A	D	M	I	N					
SPACE	18.3	5.8	6.2	5.2	5.8	5.3	5.4	4.1	8	5	4.7	8	6.2	6.1	7	2.9	4.5	8				
COPY															C	H	A	R	G	E	S	L
SPACE															6.1	5.6	6.2	5.7	6.1	5	4.5	18.3
COPY																						
SPACE																						
COPY																						
SPACE																						

SIGN NAME	AET-02L	QTY	I	SIGN NUMBER	STATION(S)
PANEL	BORDER				none
WIDTH	18'-0"	WIDTH	2"		
HEIGHT	6'-6"	RADII	9"		
LEGEND	Black	COLOR	Black		
COLOR	White				
SYMBOL(S)	ANGLE	X	Y	WID	HT
SIGN NUMBER	NUMBER OF POSTS	CLEARANCE Edge Of Lane	COLUMN SIZE		AVERAGE LENGTH



MAINLINE APPLICATIONS

NO. OF LIGHT FIXTURES	FIXTURE SPACING	PHOTOMETRIC CURVE	WATT	VOLTAGE
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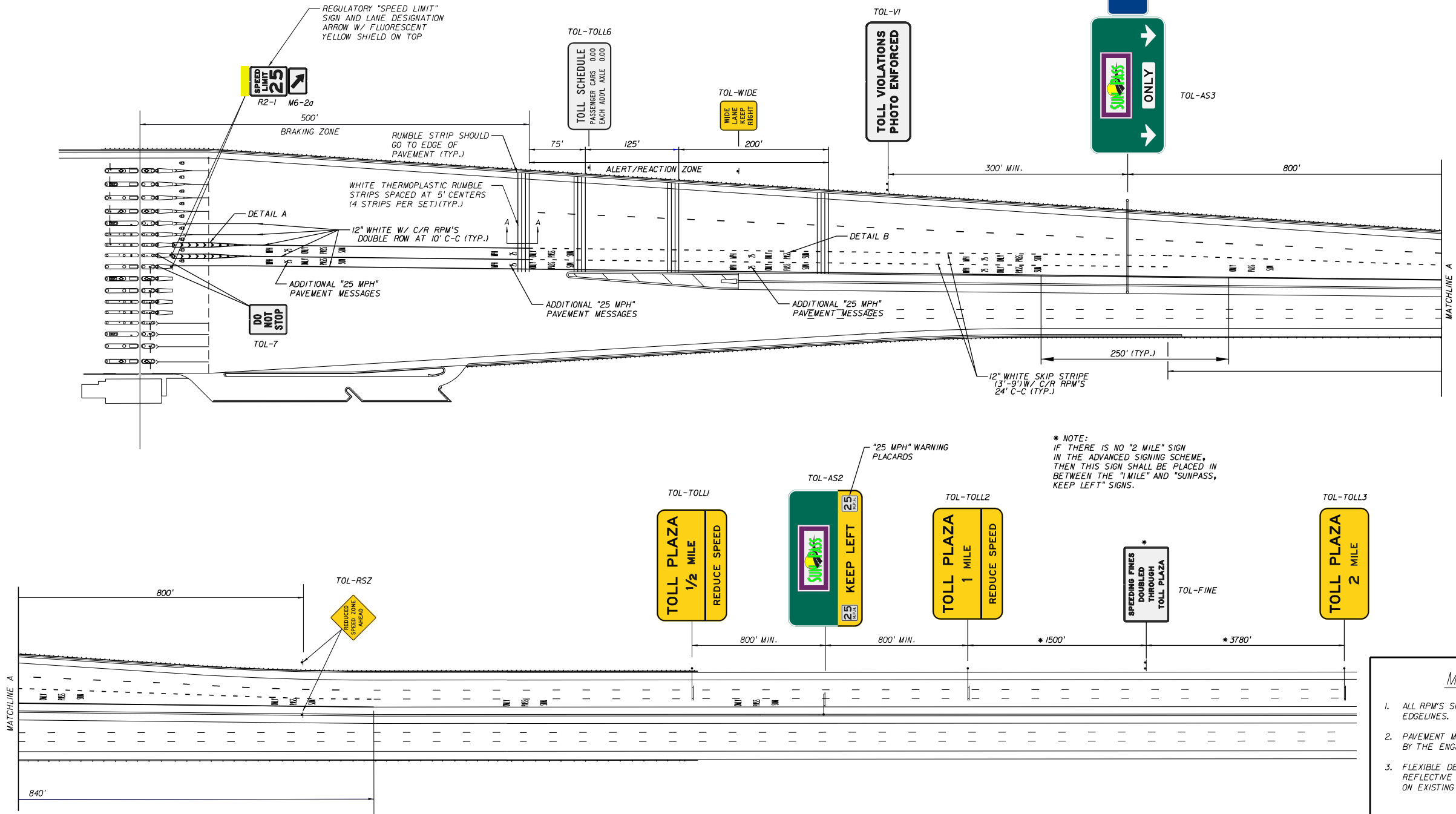
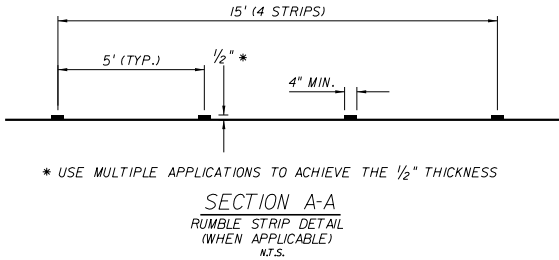
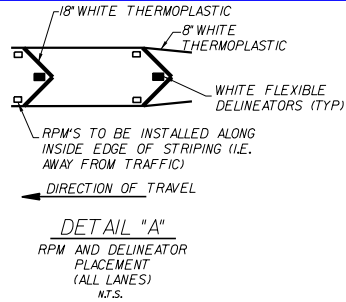
COPY		W	E		B	I	L	L		Y	O	U		L								
SPACE	47.2	14.8	9	12	12.1	5.3	11	9	12	13.9	12.8	9.7	47.2	121.7								
COPY		W	I	T	H		T	O	L	L	-	B	Y	-	P	L	A	T	E		L	
SPACE	14.3	14.8	4.2	11	9.7	12	10.7	12.8	11	9.8	6.1	11	13.1	6.1	11.8	10	13.2	11	9	14.4	187.3	
COPY		S	U	B	J	E	C	T		T	O		A	D	M	I	N					
SPACE	28.3	6.8	7.4	6.1	7	6.2	6.5	5	8	6	5.7	8	8	7.2	8.2	3.2	5.4	8				
COPY															C	H	A	R	G	E	S	L
SPACE															7.2	6.6	8	6.6	7.2	5.8	5.4	28.2
COPY																						
SPACE																						
COPY																						
SPACE																						

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID

ALL ELECTRONIC TOLLING
TOLL-BY-PLATE
SIGN PANELS

SHEET NO.
102-4



* NOTE:
IF THERE IS NO "2 MILE" SIGN
IN THE ADVANCED SIGNING SCHEME,
THEN THIS SIGN SHALL BE PLACED IN
BETWEEN THE "1 MILE" AND "SUNPASS,
KEEP LEFT" SIGNS.

N.T.S.

MAIN LINE PLAZA NOTES:

1. ALL RPM'S SHALL BE PLACED ON THE ISLAND SIDE OF THE ADJACENT EDGELINES.
2. PAVEMENT MARKINGS MAY BE ADJUSTED SLIGHTLY AS DIRECTED BY THE ENGINEER.
3. FLEXIBLE DELINEATORS SHALL BE 48" HIGH AND WHITE WITH A 3' X 12" REFLECTIVE STRIP. THE DELINEATOR SHALL BE SURFACE MOUNTED ON EXISTING PAVEMENT.

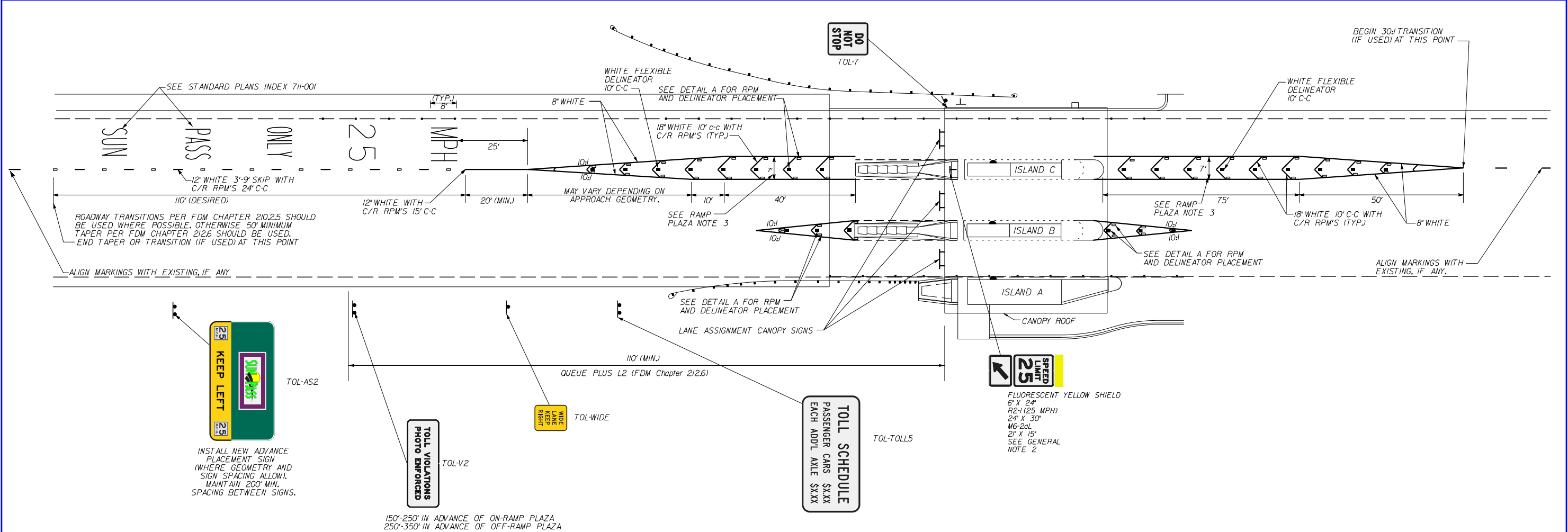
REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID

DUAL DEDICATED MAINLINE
TOLL PLAZA SIGNING AND
PAVEMENT MARKING LAYOUT

SHEET NO.
104-1

9/28/2022

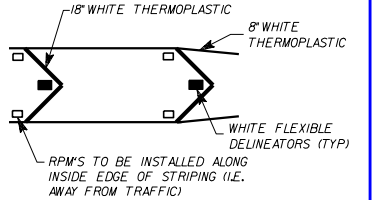


GENERAL NOTES:

- ALL RPM'S SHALL BE PLACED ON THE ISLAND SIDE OF THE ADJACENT EDGELINES.
- INSTALL 24"x30" SPEED LIMIT SIGN W/21" X 15" M6-20L PANEL ON UPPER PART OF CONCRETE ISLAND UPSTREAM OF BOOTH. SIGN SHALL BE MOUNTED CENTERED ON ISLAND WITH A 7' CLEARANCE UNDER SIGN TO PAVEMENT. SIGN SHALL BE ROTATED 22 1/2 DEGREES TOWARDS DEDICATED SUNPASS LANE OR AS DIRECTED BY THE ENGINEER.
- PAVEMENT MARKINGS MAY BE ADJUSTED SLIGHTLY AS DIRECTED BY THE ENGINEER.
- TOLL COLLECTOR WARNING SIGNS SHALL BE FURNISHED AND INSTALLED (ANCHOR BOLTED) ON THE ISLAND BARRIER WALL AND ON BOOTH FACING EACH STAIRWELL OR WALKWAY ACROSS ISLAND. SIGNS ATTACHED TO BOOTH SHALL BE FASTENED WITH STAINLESS STEEL SCREWS. PLACEMENT SHALL PROVIDE OPTIMUM VISIBILITY.
- FLEXIBLE DELINEATORS SHALL BE 48" HIGH, WHITE WITH 3" X 12" REFLECTIVE STRIP. THE DELINEATOR SHALL BE SURFACE MOUNTED ON EXISTING PAVEMENT.

RAMP PLAZA NOTES:

- RIGHT SIDE DEDICATED LANE SHALL BE MIRROR-IMAGE OF THIS EXHIBIT.
- TOLL COLLECTOR SIGNS SHALL BE INSTALLED ON ISLANDS BORDERING DEDICATED USE SUNPASS LANES ONLY.
- FOR A DEDICATED LANE ON THE OUTSIDE OF THE PLAZA AND WITH AN EXISTING LANE WIDTH OF TWELVE FEET OR GREATER, THE CHANNELIZATION ISLAND SHALL BE WIDENED ONE FOOT FROM WHAT IS SHOWN ABOVE TO PROVIDE A MINIMUM STRIPED LANE WIDTH OF ELEVEN FEET.
- FOR A DEDICATED LANE IN THE INTERIOR OF THE PLAZA AND WITH AN EXISTING LANE WIDTH OF TWELVE FEET OR GREATER, THE ADJACENT CHANNELIZATION ISLANDS SHALL BE WIDENED TO NARROW THE DEDICATED LANE TO TEN FEET.



N.T.S.

REVISIONS						STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			RAMP TOLL PLAZA TYPICAL SUNPASS SIGNING AND PAVEMENT MARKINGS	SHEET NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION					
						ROAD NO.	COUNTY	FINANCIAL PROJECT ID		104-2

9/28/2022

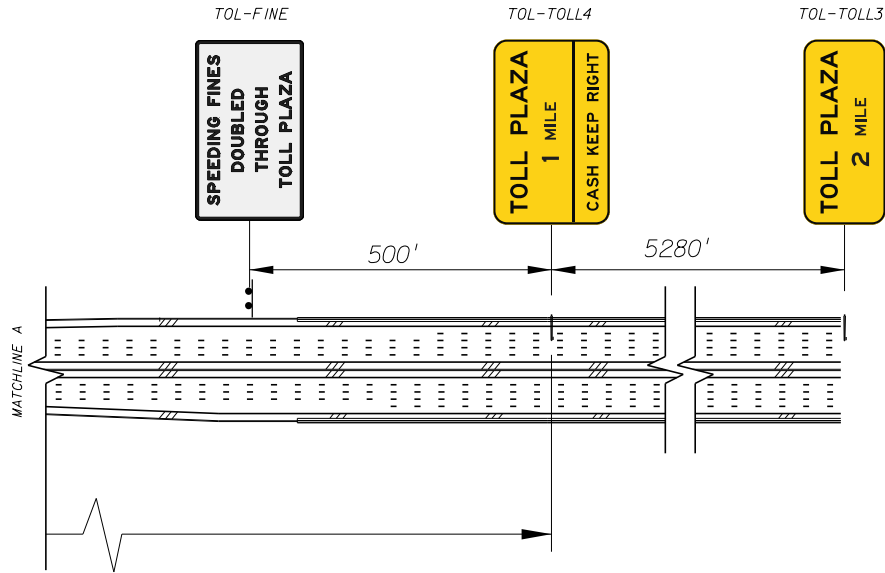
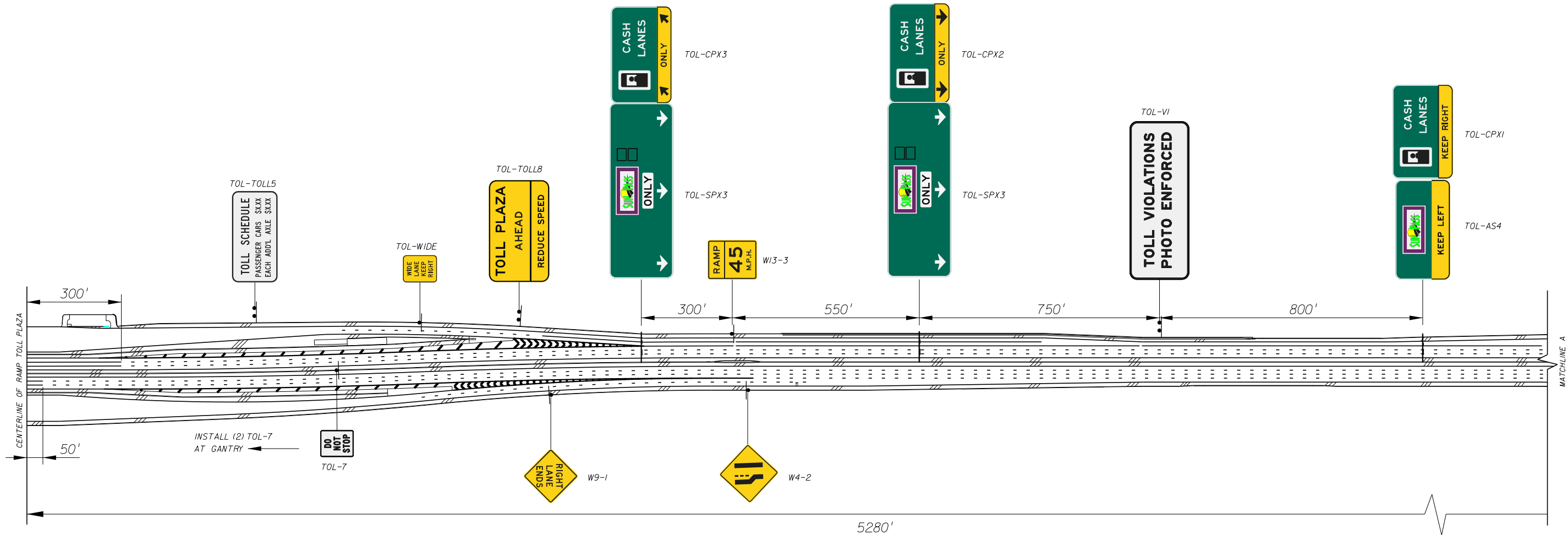
REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

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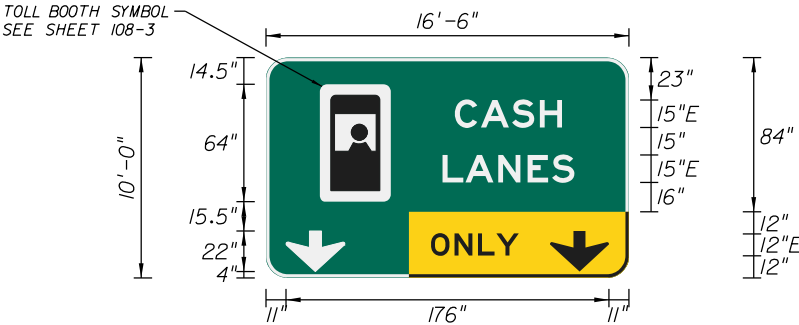
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID

ORT MAINLINE TOLL PLAZA SIGNING LAYOUT	SHEET NO.
	105-1

N.T.S.



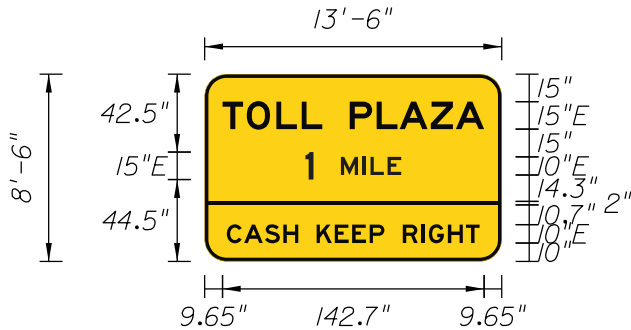
SIGN NAME	TOL-CPX4	QTY	I	SIGN NUMBER	STATION(S)
PANEL	BORDER				
WIDTH	16'-6"	WIDTH	2"		
HEIGHT	10'-0"	RADII	12"		
LEGEND	White/Black	COLOR	White/Black		
COLOR	Green/Yellow				
SYMBOL(S)	ANGLE	X	Y	WID	HT
TB_ADV	0	29.8	41.5	38	64
ARSHRT	0	11	4	32	22
ARSHRT	0	155	4	32	22
SIGN NUMBER	NUMBER OF POSTS	CLEARANCE Edge Of Lane	COLUMN SIZE	AVERAGE LENGTH	



NO. OF LIGHT FIXTURES	FIXTURE SPACING	PHOTOMETRIC CURVE	WATT	VOLTAGE
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COPY		C	A	S	H		L												
SPACE	103	14.2	16.9	15.1	12.1	36.7	58.3												
COPY		L	A	N	E	S		L											
SPACE	96.2	12.4	17.9	16	13.3	12.2	30	71.8											
COPY		O	N	L	Y		L												
SPACE	90	12.8	12.8	10	12.2	60.2	47.8												
COPY																			
SPACE																			
COPY																			
SPACE																			
COPY																			
SPACE																			

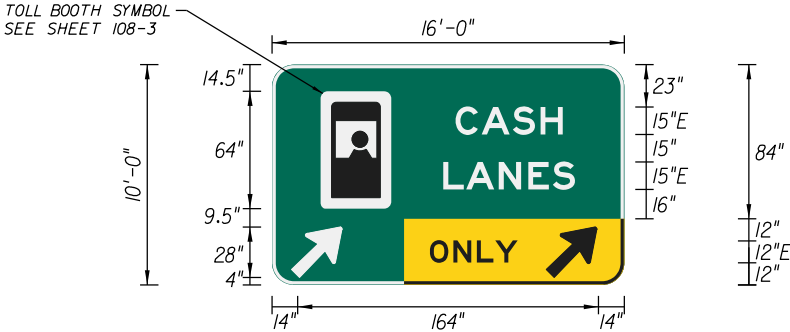
SIGN NAME	TOL-TOLL4	QTY	I	SIGN NUMBER	STATION(S)
PANEL	BORDER				
WIDTH	13'-6"	WIDTH	2"		
HEIGHT	8'-6"	RADII	12"		
LEGEND	Black	COLOR	Black		
COLOR	Yellow				
SYMBOL(S)	ANGLE	X	Y	WID	HT
SIGN NUMBER	NUMBER OF POSTS	CLEARANCE Edge Of Lane	COLUMN SIZE	AVERAGE LENGTH	



NO. OF LIGHT FIXTURES	FIXTURE SPACING	PHOTOMETRIC CURVE	WATT	VOLTAGE
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COPY		T	O	L	L		P	L	A	Z	A		L						
SPACE	9.7	13.3	16.1	13.8	11.3	15	14.7	12.4	17	13.8	15.3	9.7	142.7						
COPY		1		M	I	L	E		L										
SPACE	54.9	4.4	15	11.8	4.3	9.4	7.3	54.9	52.2										
COPY		C	A	S	H		K	E	E	P		R	I	G	H	T		L	
SPACE	12.1	9.5	11.3	10.1	8.1	10	9.9	9.5	9.5	8.1	10	10.1	4.1	10.4	9.8	7.5	12.1	137.9	
COPY																			
SPACE																			
COPY																			
SPACE																			
COPY																			
SPACE																			

SIGN NAME	TOL-CPX5	QTY	I	SIGN NUMBER	STATION(S)
PANEL	BORDER				
WIDTH	16'-0"	WIDTH	2"		
HEIGHT	10'-0"	RADII	12"		
LEGEND	White/Black	COLOR	White/Black		
COLOR	Green/Yellow				
SYMBOL(S)	ANGLE	X	Y	WID	HT
TB_ADV	0	26.7	41.5	38	64
ARSHRT	45	14	5.5	20	22.5
ARSHRT	45	160	5.5	20	22.5
SIGN NUMBER	NUMBER OF POSTS	CLEARANCE Edge Of Lane	COLUMN SIZE	AVERAGE LENGTH	



NO. OF LIGHT FIXTURES	FIXTURE SPACING	PHOTOMETRIC CURVE	WATT	VOLTAGE
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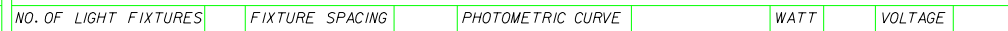
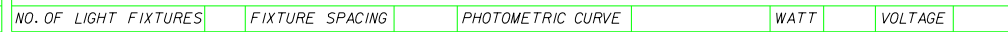
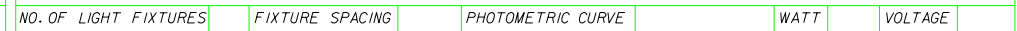
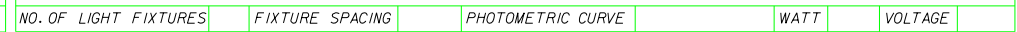
COPY		C	A	S	H		L												
SPACE	100	14.2	16.9	15.1	12.1	33.7	58.3												
COPY		L	A	N	E	S		L											
SPACE	93.2	12.4	17.9	16	13.3	12.2	27	71.8											
COPY		O	N	L	Y		L												
SPACE	86	12.8	12.8	10	12.2	58.2	47.8												
COPY																			
SPACE																			
COPY																			
SPACE																			
COPY																			
SPACE																			

SIGN NAME	TOL-TOLL4	QTY	I	SIGN NUMBER	STATION(S)
PANEL	BORDER				
WIDTH	13'-6"	WIDTH	2"		
HEIGHT	8'-6"	RADII	12"		
LEGEND	Black	COLOR	Black		
COLOR	Yellow				
SYMBOL(S)	ANGLE	X	Y	WID	HT
SIGN NUMBER	NUMBER OF POSTS	CLEARANCE Edge Of Lane	COLUMN SIZE	AVERAGE LENGTH	

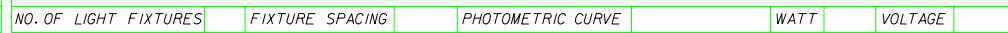
NO. OF LIGHT FIXTURES	FIXTURE SPACING	PHOTOMETRIC CURVE	WATT	VOLTAGE
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COPY		T	O	L	L		P	L	A	Z	A		L						
SPACE	9.7	13.3	16.1	13.8	11.3	15	14.7	12.4	17	13.8	15.3	9.7	142.7						
COPY		1		M	I	L	E		L										
SPACE	54.9	4.4	15	11.8	4.3	9.4	7.3	54.9	52.2										
COPY		C	A	S	H		K	E	E	P		R	I	G	H	T		L	
SPACE	12.1	9.5	11.3	10.1	8.1	10	9.9	9.5	9.5	8.1	10	10.1	4.1	10.4	9.8	7.5	12.1	137.9	
COPY																			
SPACE																			
COPY																			
SPACE																			
COPY																			
SPACE																			

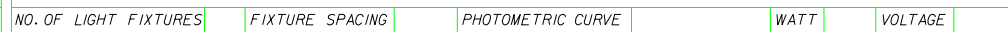
REVISIONS					STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ORT SIGNING DETAILS MAINLINE SIGN PANELS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		105-3

[illegible][illegible][illegible][illegible]9/6/2022

COPY		E	X	A	C	T
SPACE	23,6	10,7	11,8	13,9	11,4	9
COPY						
SPACE						
COPY						
SPACE						
COPY						
SPACE						
COPY						
SPACE						
COPY						
SPACE						



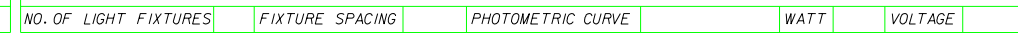
COPY	E	X	A	C	T
SPACE	33.7	8.9	9.8	11.6	9.5
COPY					
SPACE					
COPY					
SPACE					
COPY					
SPACE					
COPY					
SPACE					
COPY					
SPACE					



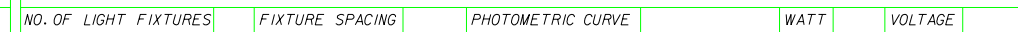
DATE		DESCRIPTION

[illegible]

COPY		E	X	A	C	T
SPACE	23.6	10.7	11.8	13.9	11.4	9
COPY						
SPACE						
COPY						
SPACE						
COPY						
SPACE						
COPY						
SPACE						
COPY						
SPACE						

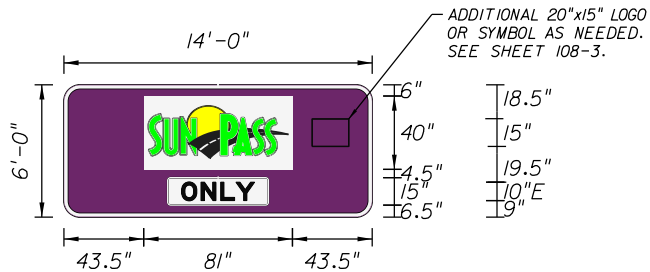


SIGN NAME		TOL-XS2		QTY	1	SIGN NUMBER	STATION(S)	
PANEL				BORDER				
WIDTH		14'-0"		WIDTH		1.75"		
HEIGHT		5'-0"		RADII		8"		
LEGEND		White		COLOR		White		
COLOR		Green						
SYMBOL(S)		ANGLE		X		Y		WID
SunPass_CAN		0		50.5		27		67
OtherETC		0		127.6		31.5		20
SIGN NUMBER	NUMBER OF POSTS	CLEARANCE Edge Of Lane		COLUMN SIZE			AVERAGE LENGTH	

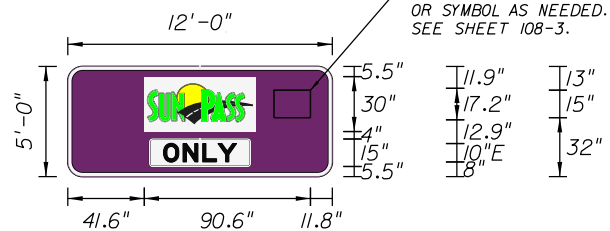


STATE OF FLORIDA		
DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	

IDA PORTATION FINANCIAL PROJECT ID	<i>TOLL PLAZA SIGNING DETAILS</i> <i>MAINLINE CANOPY MOUNTED</i> <i>SIGN PANELS</i>	SHEET NO. 106-2
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[illegible]

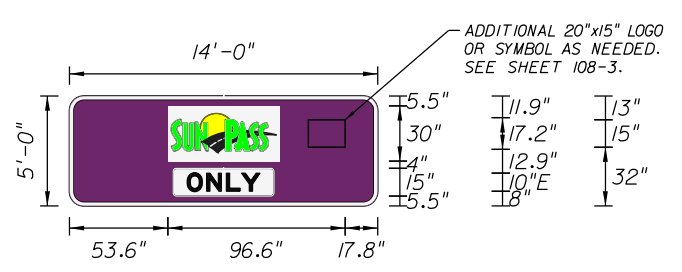
FOR SINGLE DEDICATED USE ONLY									
NO. OF LIGHT FIXTURES		FIXTURE SPACING		PHOTOMETRIC CURVE		WATT		VOLTAGE	

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FOR SINGLE DEDICATED USE ONLY									
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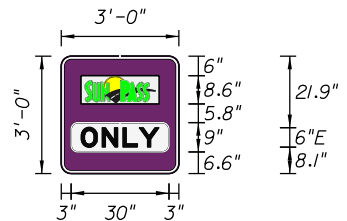
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PANEL			BORDER									
WIDTH		14'-0"		WIDTH		2"						
HEIGHT		5'-0"		RADII		8"						
LEGEND		Black		COLOR		White						
COLOR		Purple										
SYMBOL(S)			ANGLE		X		Y		WID		HT	
OtherETC			0		130.2		32		20		15	
SunPassSmall			0		60.1		30.9		47.8		17.2	
LogoPanelSmall			0		53.6		24.5		60.7		30	
SIGN NUMBER		NUMBER OF POSTS		CLEARANCE Edge Of Lane		COLUMN SIZE				AVERAGE LENGTH		



FOR SINGLE DEDICATED USE ONLY									
NO. OF LIGHT FIXTURES		FIXTURE SPACING		PHOTOMETRIC CURVE		WATT		VOLTAGE	

[illegible]

SIGN NAME		TOL-S4		QTY	1	SIGN NUMBER	STATION(S)	
PANEL			BORDER					
WIDTH		3'-0"		WIDTH		0.75"		
HEIGHT		3'-0"		RADII		3"		
LEGEND		Black		COLOR		White		
COLOR		Purple						
SYMBOL(S)			ANGLE		X	Y	WID	HT
SunPassLarge			0		6	21.4	24	8.6
SIGN NUMBER	NUMBER OF POSTS		CLEARANCE Edge Of Lane		COLUMN SIZE			AVERAGE LENGTH

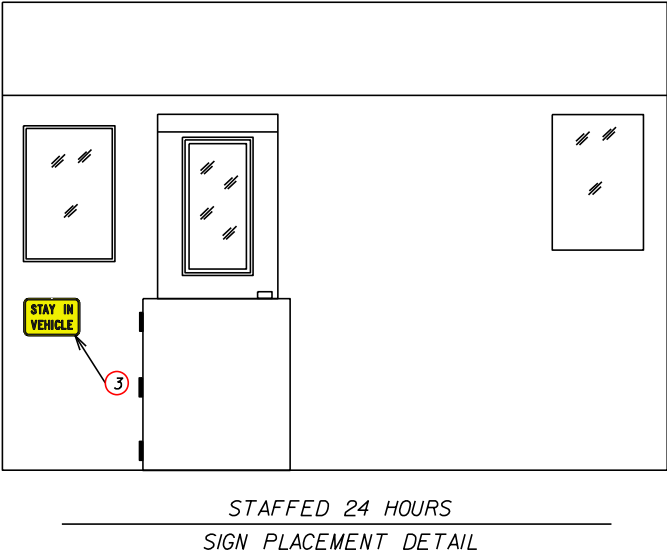
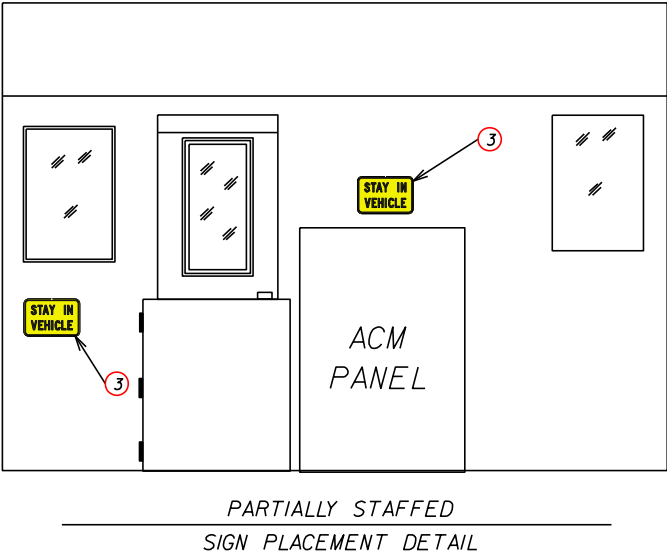
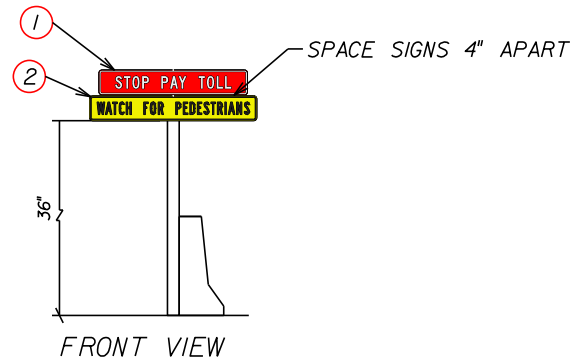
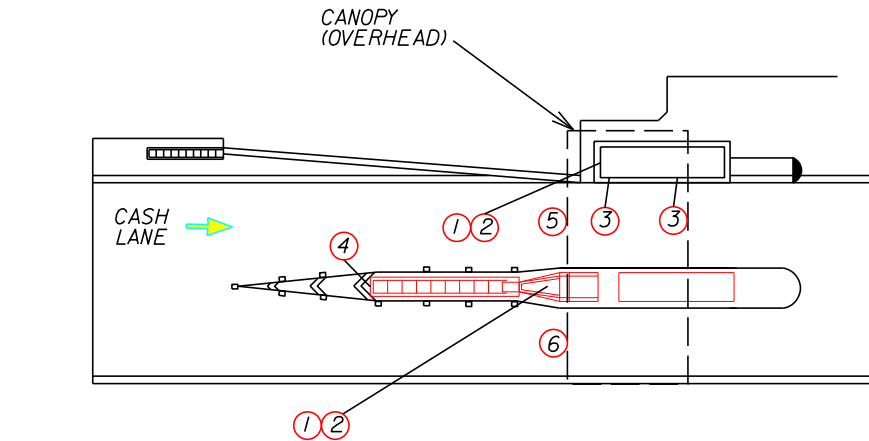


NO. OF LIGHT FIXTURES	FIXTURE SPACING	PHOTOMETRIC CURVE	WATT	VOLTAGE
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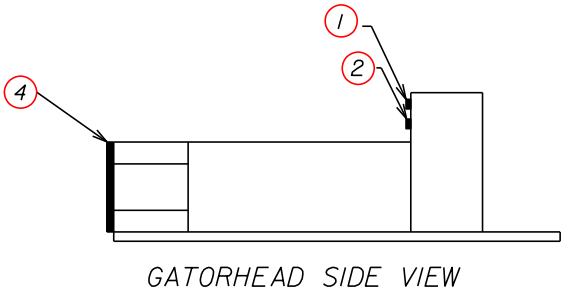
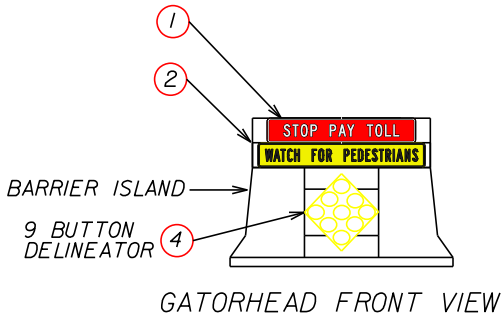
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R E V I S I O N S			
DATE	DESCRIPTION	DATE	DESCRIPTION

	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			<i>TOLL PLAZA SIGNING DETAILS</i> <i>MAINLINE CANOPY MOUNTED</i> <i>SIGN PANELS</i>	SHEET NO.
	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					106-3



TOLL PLAZA SIGN SYMBOL LEGEND		
	LEGEND OR DESCRIPTION	REMARKS
1	STOP PAY TOLL	MOUNT ON ISLAND GATORHEAD OR GROUND MOUNT
2	WATCH FOR PEDESTRIANS	MOUNT ON ISLAND GATORHEAD OR GROUND MOUNT
3	STAY IN VEHICLE	MOUNT ON TOLL BOOTH OR ACM
4	9 BUTTON DELINEATOR	MOUNT ON BLUNT END OF CONCRETE ISLAND AND ATTENUATOR
5	LANE DESIGNATION SIGN	MOUNT ON CANOPY
6	LANE DESIGNATION SIGN	MOUNT ON CANOPY



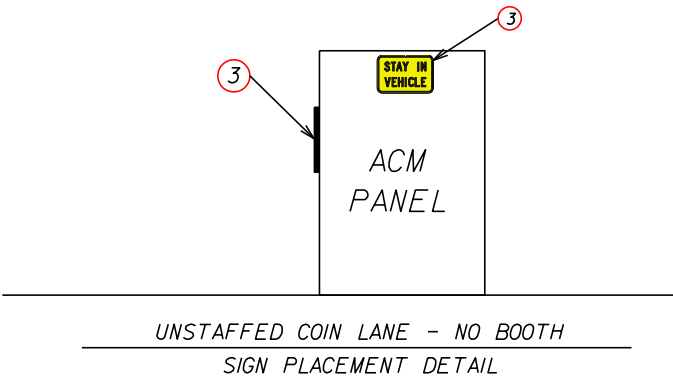
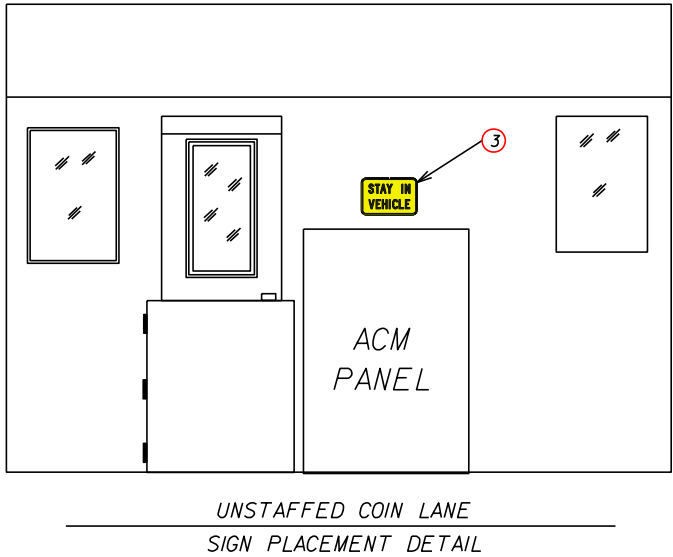
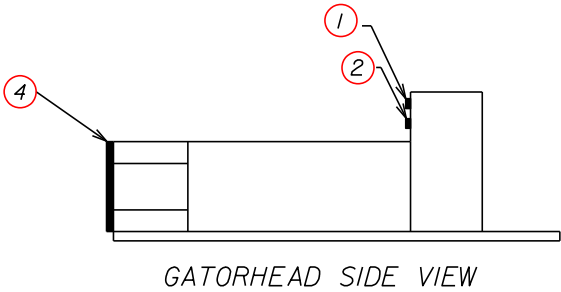
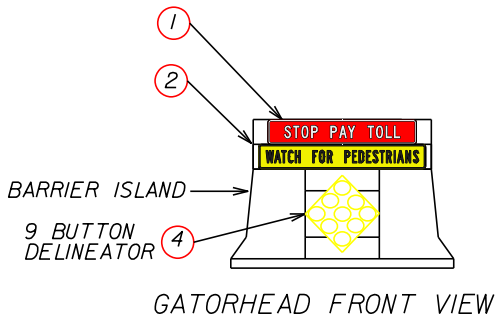
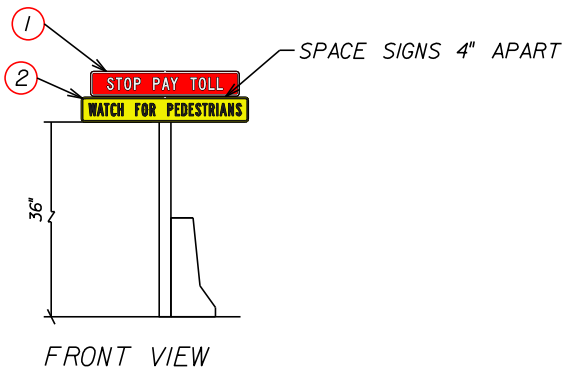
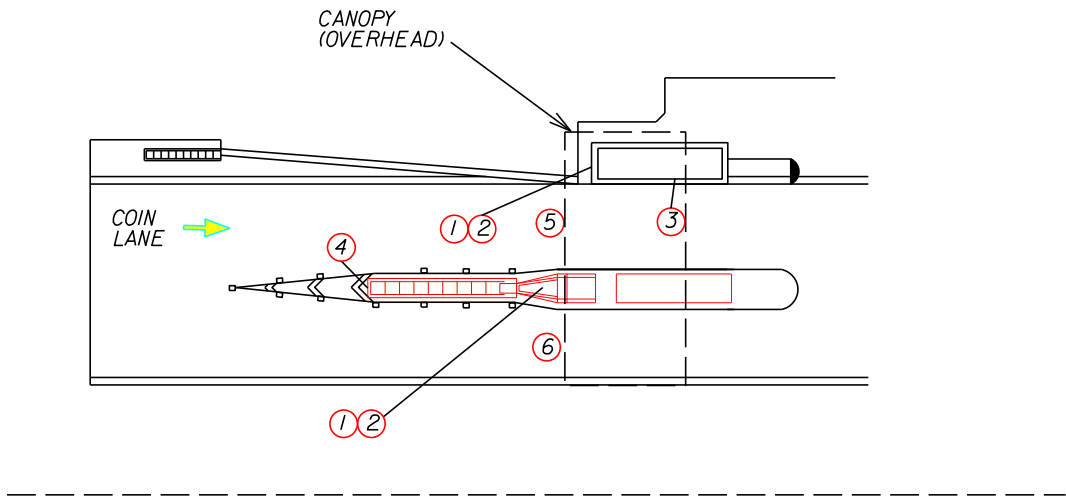
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REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID

CASH LANE
TOLL PLAZA
SIGNING LAYOUT

SHEET
NO.
107-1



TOLL PLAZA SIGN SYMBOL LEGEND

	LEGEND OR DESCRIPTION	REMARKS
1	STOP PAY TOLL	MOUNT ON ISLAND GATORHEAD OR GROUND MOUNT
2	WATCH FOR PEDESTRIANS	MOUNT ON ISLAND GATORHEAD OR GROUND MOUNT
3	STAY IN VEHICLE	MOUNT ON TOLL BOOTH OR ACM
4	9 BUTTON DELINEATOR	MOUNT ON BLUNT END OF CONCRETE ISLAND AND ATTENUATOR
5	LANE DESIGNATION SIGN	MOUNT ON CANOPY
6	LANE DESIGNATION SIGN	MOUNT ON CANOPY

N.T.S.

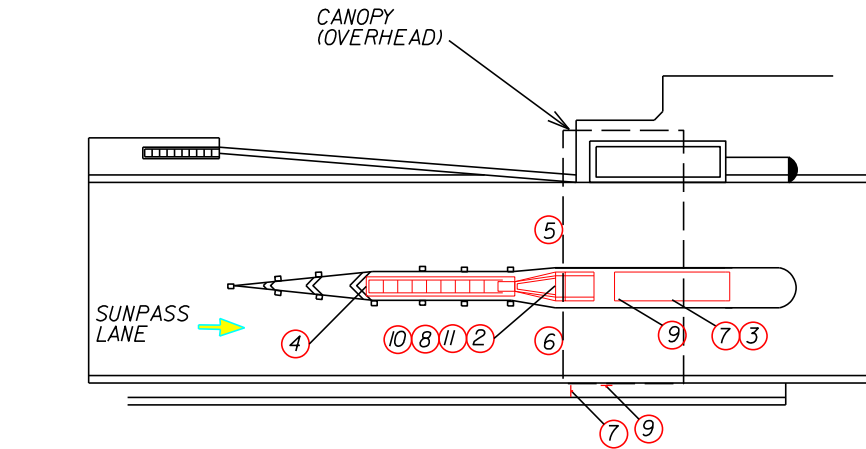
REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID

COIN LANE
TOLL PLAZA
SIGNING LAYOUT

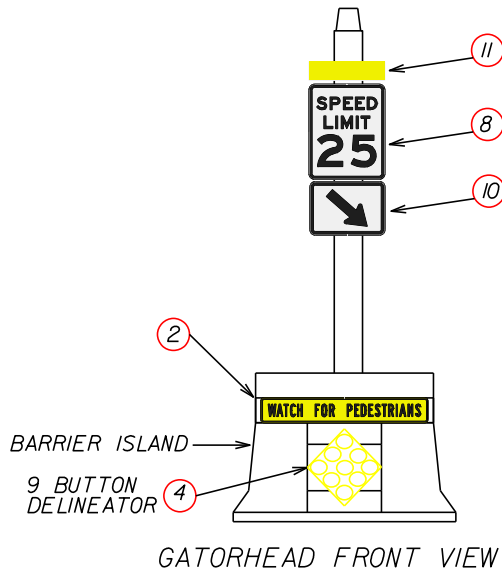
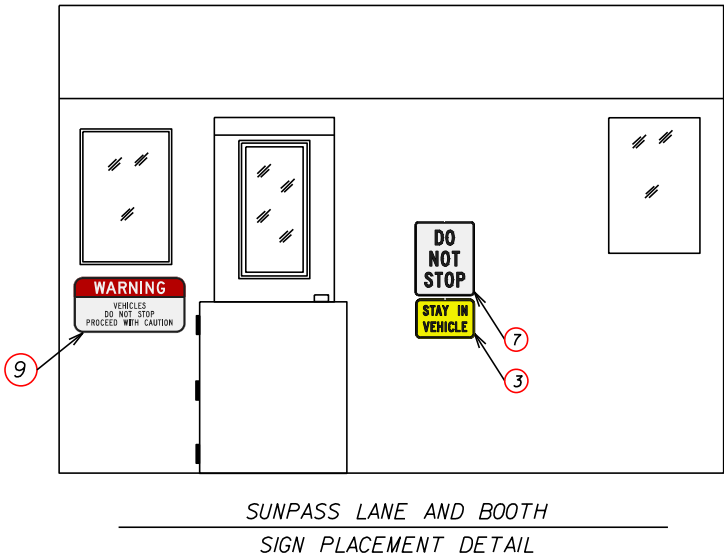
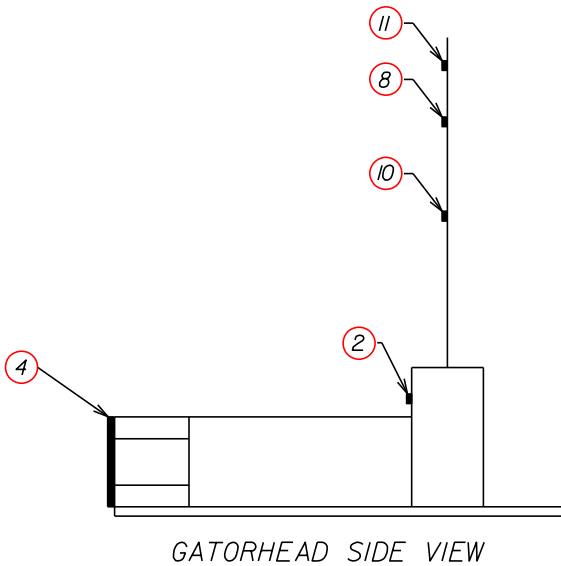
SHEET
NO.
107-2

9/18/2022



TOLL PLAZA SIGN SYMBOL LEGEND

	LEGEND OR DESCRIPTION	REMARKS
1	STOP PAY TOLL	MOUNT ON ISLAND GATORHEAD
2	WATCH FOR PEDESTRIANS	MOUNT ON ISLAND GATORHEAD
3	STAY IN VEHICLE	MOUNT ON TOLL BOOTH OR ACM
4	9 BUTTON DELINEATOR	MOUNT ON BLUNT END OF CONCRETE ISLAND AND ATTENUATOR
5	LANE DESIGNATION SIGN	MOUNT ON CANOPY
6	LANE DESIGNATION SIGN	MOUNT ON CANOPY
7	DO NOT STOP	TOLL BOOTH OR GROUND MOUNT (IF NO BOOTH)
8	25 MPH	MOUNT ON ISLAND GATORHEAD
9	WARNING VEHICLES DO NOT STOP PROCEED WITH CAUTION	GROUND MOUNT ACROSS FROM WALKWAYS ON EACH SIDE AT A HEIGHT OF 5'0"
10	ARROW (M6-2)	MOUNT ON ISLAND GATOR HEAD
11	YELLOW PANEL	MOUNT ON ISLAND GATOR HEAD

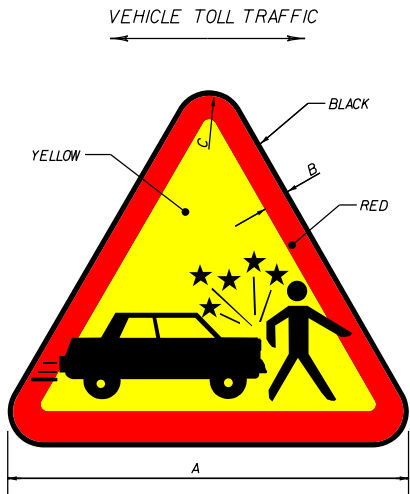


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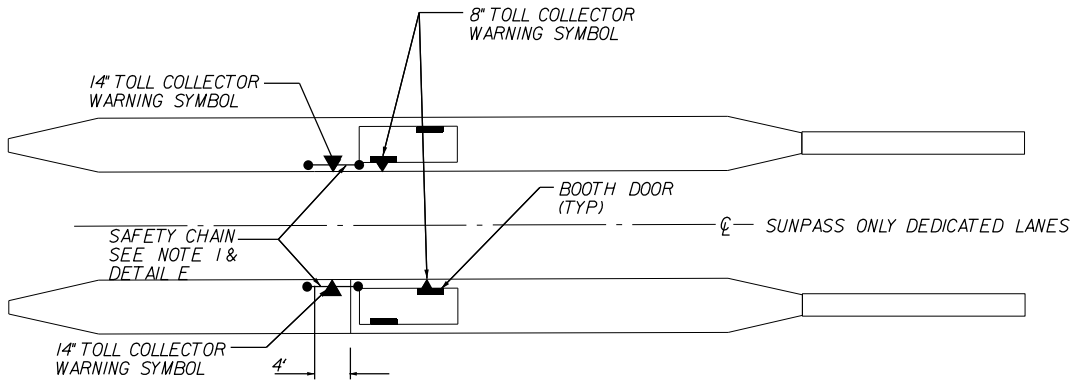
REVISIONS						STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION	SUNPASS LANE TOLL PLAZA SIGNING LAYOUT	SHEET NO. 107-3
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION			

SYMBOL DIMENSIONS			
OVERALL SIZE	A	B	C
8"	8"	.6"	.6"
14"	14"	1"	1"

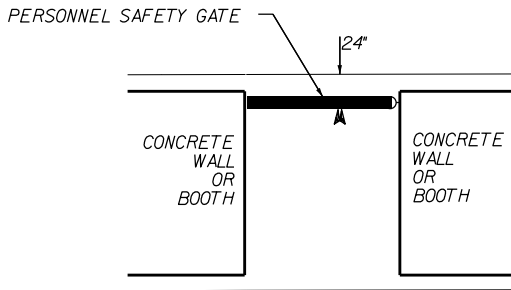
NOTE:SYMBOLS SHALL BE PLACED IN BOOTH DOORWAYS AND WALKWAYS AS SHOWN ON PLANS.SURFACES SHALL BE THOROUGHLY CLEANED PRIOR TO APPLICATION.



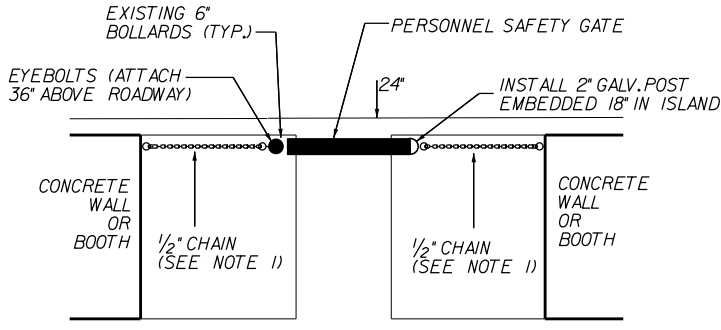
TYPICAL TOLL ATTENDANT WARNING SYMBOL
NTS



DETAIL "C"
TYPICAL ISLAND LOCATIONS FOR
TOLL COLLECTOR WARNING SYMBOLS
DEDICATED AND MIXED USE LANES
N.T.S.



DETAIL "D"
FOR MAINLINE PLAZA CROSSWALKS
WITHOUT BOLLARDS.
(DEDICATED LANES ONLY)
N.T.S.



DETAIL "E"
FOR MAINLINE PLAZA CROSSWALKS
WITH BOLLARDS.
(DEDICATED LANES ONLY)
N.T.S.

- NOTES:
- 1.SIGNS SHALL BE MOUNTED ONLY ON ISLANDS BORDERING SUNPASS DEDICATED LANES.
 - 2.SIGN TOL-3 (SEE DRAWING 107-6),ON ISLAND, TO BE FASTENED ON VERTICAL CONCRETE WALL WITH LAG SHIELDS.SIGN SHALL BE MOUNTED SO AS TO NOT OBSTRUCT ELECTRIC OUTLETS,JUNCTION BOXES,OR CONTROL CABINETS.
 - 3.SIGN TOL-3 (SEE DRAWING 107-6),ON CONCRETE BOOTH, SHALL BE MOUNTED ABOVE WINDOW NEXT TO BOOTH DOOR AND CENTERED ON CONCRETE COLUMN.SIGN SHALL BE MOUNTED WITH LAG SHIELDS.CLEARANCES SHALL COMPLY WITH STANDARD PLANS,INDEX 700-101.
 - 4.SIGN TOL-3 (SEE DRAWING 107-6) SHALL BE POST MOUNTED ADJACENT TO SIDEWALK BETWEEN ADMINISTRATION BUILDING AND NEAREST TOLL LANE.

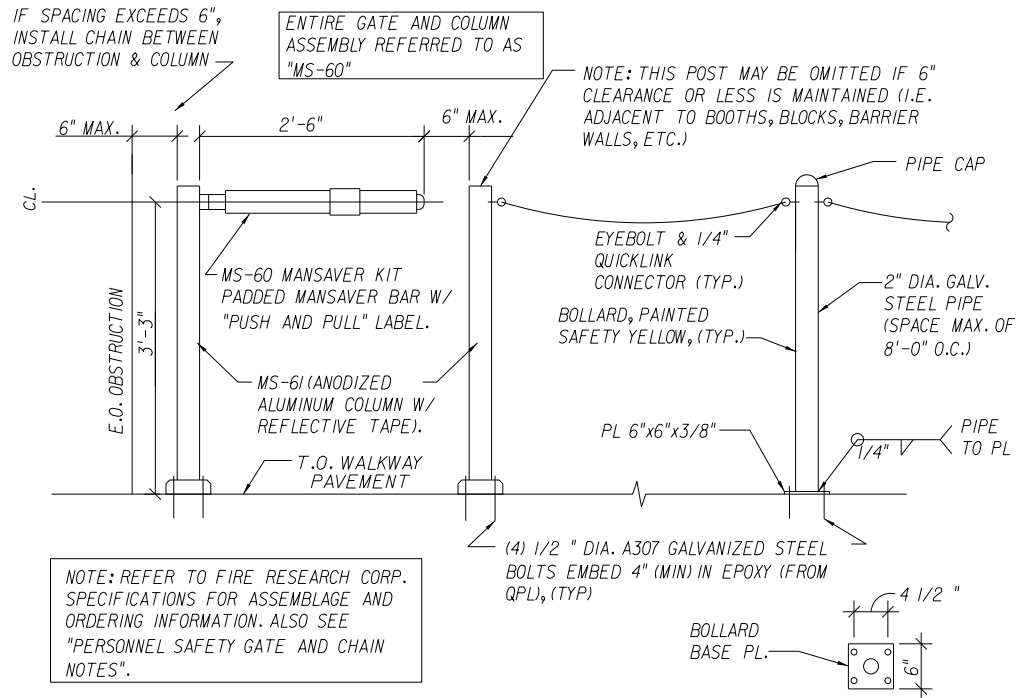
- NOTES:
1. SAFETY CHAINS SHALL CONSIST OF 1/2" YELLOW COLORED,VINYL-COATED STEEL CHAIN,SNAPHOOK, SHACKLES,EYEBOLTS,AND ANCHORS.THE SAFETY CHAINS SHALL BE ANCHORED TO CONCRETE WALL, MASONRY,OR BOLLARDS BY LAG SHIELDS AND 3/8" EYEBOLTS.STEEL BOLLARDS SHALL BE FIELD GALVANIZED AROUND HOLES AND YELLOW PAINT SHALL BE TOUCHED UP.CHAINS ARE TO BE INSTALLED ON DEDICATED LANE SIDE OF ISLANDS ONLY.INSTALL 2" GALVANIZED POSTS WITH END CAPS WHERE THERE ARE NO BOLLARDS AS SHOWN IN DETAIL-E.NO SAFETY CHAINS OR POSTS SHALL BE LOCATED TO INTERFERE WITH THE OPERATION OF ELECTRONIC VEHICLE SEPERATOR EQUIPMENT.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID

TOLL PLAZA
SPECIAL DETAILS

SHEET
NO.
107-4



1. PERSONNEL SAFETY GATES SHALL BE INSTALLED WHERE INDICATED ON PLANS. THESE GATES SHALL BE CONSTRUCTED WITH SAFETY BARS AS MANUFACTURED BY FIRE RESEARCH CO. (1-800-645-0074) OR EQUAL, AND SOLD UNDER THE BRAND NAME MANSAYER, MODEL MS-60. BARS SHALL BE PADDED WITH YELLOW VINYL COVERINGS AND SHALL BE THIRTY (30) INCHES IN LENGTH, INCLUDING THE DOUBLE ACTING HINGE. EACH GATE SHALL CONSIST OF ONE (1) ALUMINUM (6061-T6) MANSAYER BAR (MS-60 MANSAYER KIT) ATTACHED TO THE TOP OF AN EXTRUDED ALUMINUM (6065-T6) 3-INCH SQUARE CROSS SECTION ALUMINUM POST (MS-61) WITH AN ALUMINUM CAST KNUCKLE WITH A BASE FOR ANCHORING TO THE WALKWAY AREA. BASE PLATE SHOULD BE ANCHORED TO CONCRETE W/ (4) - 1/2 " DIA. A307 GALVANIZED STEEL ANCHOR BOLTS, EMBED 4" IN EPOXY. AN ADDITIONAL DUPLICATE POST SHALL BE PROVIDED WITH EACH GATE TO MOUNT. SIMILARLY TO THE WALKWAY PAVEMENT AT THE UNCONNECTED OR FREE END OF THE MANSAYER BAR. THIS ADDITIONAL POST MAY OR MAY NOT BE REQUIRED TO BE INSTALLED BASED ON FIELD CONDITIONS. THE POST AND GATE ASSEMBLY (TOGETHER) ARE REFERRED TO AS THE "MANSAYER BAR AND UPRIGHT STANCHION KIT", MODEL MS-60.

2. AN EYE BOLT SHALL BE MOUNTED AT THE TOP OF EACH POST FOR CONTINUATION OF SAFETY CHAIN. CAPS SHALL BE PROVIDED IN THE TOP OF THE POSTS. POSTS SHALL BE INSTALLED LEVEL. THE CENTERLINE OF THE MANSAYER BAR SHALL BE THIRTY-NINE (39) INCHES ABOVE THE WALKWAY PAVEMENT. POST EYE BOLTS SHALL ALSO ACCOMMODATE THE THIRTY-SIX INCH (36") MOUNTING HEIGHT (ABOVE THE ISLAND) FOR SAFETY CHAIN.

3. CHAIN SHALL BE 4/0 STRAIGHT LINK COIL CHAIN POLY-COATED BLU-KROME MODEL NO. 14033-1117 AS MANUFACTURED BY COOPER (919-362-7541) OR EQUAL. THE CHAIN COLOR SHALL BE SAFETY YELLOW. THE CHAIN SHALL BE LOCATED ON THE ISLAND NO LESS THAN TWELVE (12) INCHES AND NO GREATER THAN EIGHTEEN (18) INCHES OFF THE EDGE OF THE ISLAND CURB ADJACENT TO THE LANE. THE CHAIN SHALL BE LOCATED APPROXIMATELY THIRTY-SIX (36) INCHES OFF THE SURFACE OF THE ISLAND, I.E., APPROXIMATELY FORTY-TWO (42) INCHES ABOVE THE LANE PAVEMENT. CHAIN SHALL BE ATTACHED TO THE BOLLARD EYE BOLTS AT BOTH ENDS WITH ONE-QUARTER (1/4) INCH QUICK LINK CONNECTORS, PART NO. 764-0536, AS MANUFACTURED BY COOPER, OR EQUAL. CHAIN SHALL BE INSTALLED SUCH THAT THERE IS MINIMAL CHAIN SAG ALLOWING REMOVAL OF THE CHAIN.

4. BOLLARDS: THE CONTRACTOR SHALL INSTALL THIRTY-SIX (36) INCH HIGH BOLLARDS OF TWO (2) INCH DIAMETER GALVANIZED STEEL PIPE AT SPACING NO GREATER THAN EIGHT (8) FEET APART. BOLLARDS SHALL BE CAPPED AND BE WELDED TO 6"x6"x3/8" BASE PLATE. BASE PLATE SHOULD BE BOLTED TO EXISTING CONCRETE SLAB W/ (4) - 1/2 " DIA. A307 GALVANIZED STEEL ANCHOR BOLTS, EMBED 4" IN EPOXY. PIPE SHALL BE PAINTED SAFETY YELLOW WITH A PAINT APPROPRIATE FOR APPLICATION TO GALVANIZED SURFACES. BOLLARDS SHALL BE ATTACHED PERMANENTLY TO THE ISLAND SURFACE AND SHALL NOT BE EASILY REMOVED WITHOUT POWER EQUIPMENT. USE OF EXISTING BOLLARDS IS ENCOURAGED BUT NOT AT THE EXPENSE OF DEVIATING FROM REQUIREMENTS HERE IN.

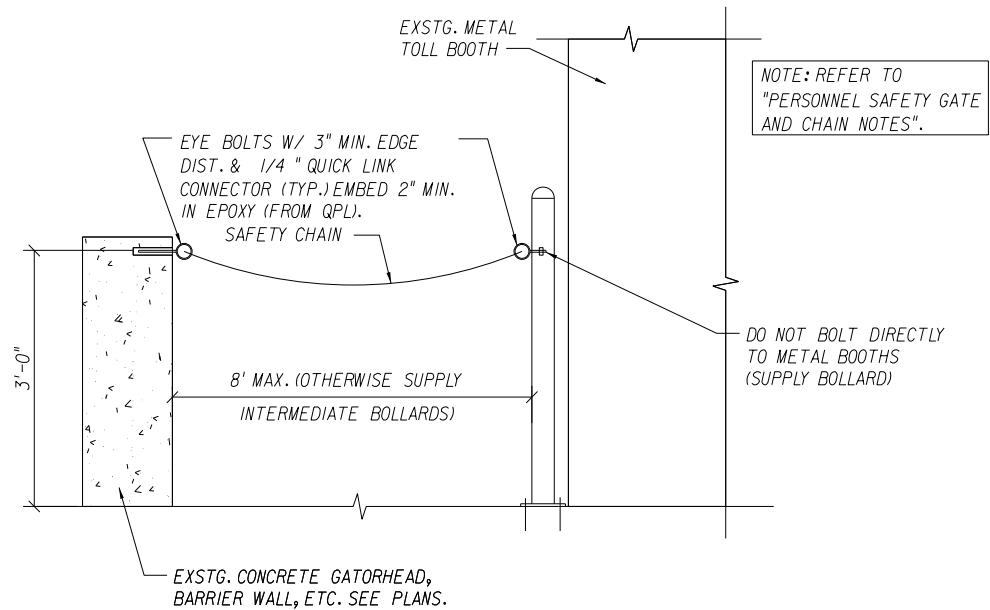
5. CHAIN ATTACHMENT: CHAIN AND QUICK LINKS SHALL BE CONNECTED TO BOLLARDS WITH EYE BOLTS. CHAIN SHALL NOT PASS THROUGH A RING ON THE BOLLARD BUT SHALL TERMINATE AT ONE, OR BOTH SIDES OF THE BOLLARD AS NECESSARY, WITH A QUICK LINK CONNECTOR. CHAIN MAY NOT BE ATTACHED TO AUTOMATIC COIN MACHINES, GATE HOUSINGS, ANY SUNPASS OR MISCELLANEOUS EQUIPMENT, OR PREFABRICATED TOLL BOOTHS.

6. SAFETY CHAIN CLEARANCES: TOLL EQUIPMENT (I.E. GATES, AUTOMATIC COIN MACHINES, SUNPASS EQUIPMENT, ETC.) OPERATION AND TECHNICIAN ACCESS SHALL NOT BE AFFECTED BY THE PLACEMENT OF CHAIN OR BOLLARDS. BOLLARD PLACEMENT SHALL BE NO FURTHER THAN NINE (9) INCHES AND NO CLOSER THAN SIX (6) INCHES FROM GATE HOUSINGS AND SHALL NOT CONFLICT WITH THE ENTRY AND EXIT OF PERSONNEL FROM TUNNEL STAIR WELLS. IF AUTOMATIC COIN MACHINES (ACMS) HAVE NOT BEEN REMOVED PRIOR TO SUNPASS CONVERSION, THE CONTRACTOR SHALL SUPPLY THE NECESSARY LENGTH OF CHAIN AND QUICK LINK CONNECTORS TO THE TURNPIKE TO CLOSE THE GAP WHERE THE ACM OR TOLL BOOTH ONCE OCCUPIED. IF ONLY AN ACM IS PRESENT ON THE ISLAND AND IT HAS NOT BEEN REMOVED PRIOR TO SUNPASS CONVERSION, THE CONTRACTOR SHALL INSTALL A POST ON THE ISLAND OR FLOOR PLATE ON EITHER SIDE OF THE ACM FOR CHAIN TERMINATION.

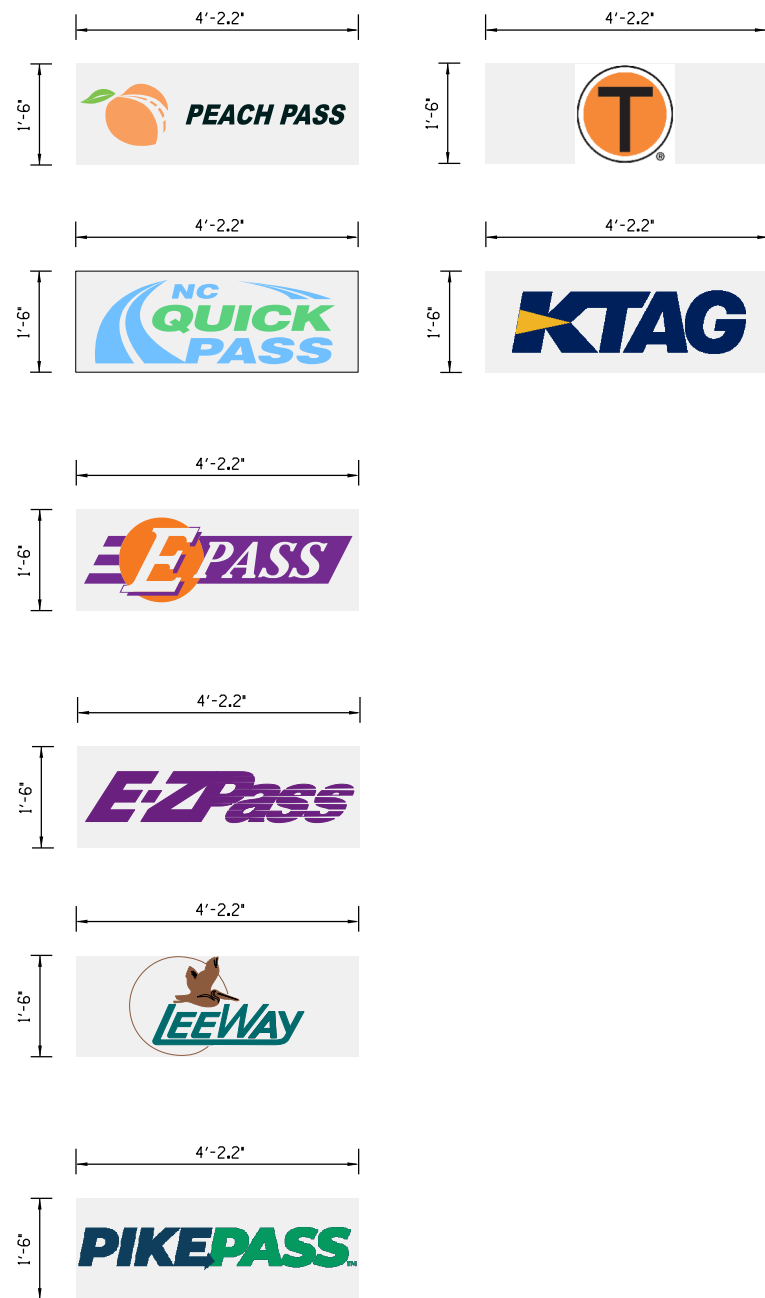
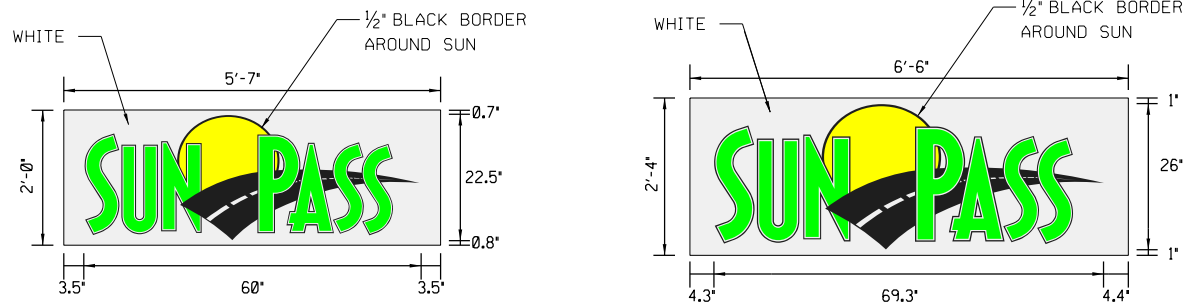
7. PERSONNEL SAFETY GATES: THE CONTRACTOR SHALL PROVIDE AND INSTALL PERSONNEL SAFETY GATES WHERE INDICATED ON PLANS. SAFETY BAR CENTERLINE HEIGHT SHALL BE THIRTY-NINE (39) INCHES ABOVE THE WALKWAY. THE SAFETY GATE SHALL ALWAYS BE ORIENTED SUCH THAT THE GATE HINGE IS LOCATED TO THE RIGHT SIDE ON APPROACH TO THE DEDICATED LANE (I.E., TO THE LEFT IF DEPARTING THE DEDICATED LANE.)

8. WALKWAY WIDTH AND CHANNELIZATION OF PERSONNEL: THE WALKWAY MAY BE GREATER WIDTH THAN THE WIDTH OF THE GATE, IN WHICH CASE THE CONTRACTOR SHALL "CHANNELIZE" ANY OPENINGS AROUND THE GATE BY CONNECTING ADDITIONAL CHAIN FROM THE SQUARE TUBULAR COLUMN BOLTED TO THE SAFETY BAR TO THE CLOSEST ALLOWABLE CONNECTION POINT, OR FROM THE SQUARE TUBULAR COLUMN LOCATED ADJACENT TO THE SWINGING GATE ARM AT THE CLOSEST ALLOWABLE CONNECTION POINT. THE DESIRABLE AND MAXIMUM WIDTH OF GAP BETWEEN THE SAFETY GATE ARM AND THE ADJACENT COLUMN IS SIX (6) INCHES. IN INSTANCES WHERE THE WALKWAY IS LESS THAN FOUR (4) FEET IN WIDTH, THE CONTRACTOR MAY RELOCATE THE SQUARE TUBULAR COLUMN WHICH IS NOT ATTACHED TO THE SAFETY BAR AND MOUNT IT ON THE ISLAND ADJACENT TO THE WALKWAY, OR ELIMINATE IT COMPLETELY IF THERE IS AN ADJACENT AND ALLOWABLE MOUNTING SURFACE WHICH DOES NOT ALLOW A GAP GREATER THAN SIX (6) INCHES IN WIDTH.

9. CHAIN AND GATE LAYOUT AND FIELD ISSUE RESOLUTION: THE CONTRACTOR SHALL USE GOOD JUDGMENT AND FOLLOW THE CRITERIA HEREIN AND AS INDICATED ON THE PLANS IN LAYOUT AND ATTACHMENT OF THE CHAIN AND PERSONNEL GATES WITHIN THE WALKWAYS. ANY QUESTIONABLE SITUATION WHICH REQUIRES CLARIFICATION IN THE FIELD SHALL BE BROUGHT TO THE ATTENTION OF THE DEPARTMENT'S FIELD REPRESENTATIVE AND TO THE ENGINEER.

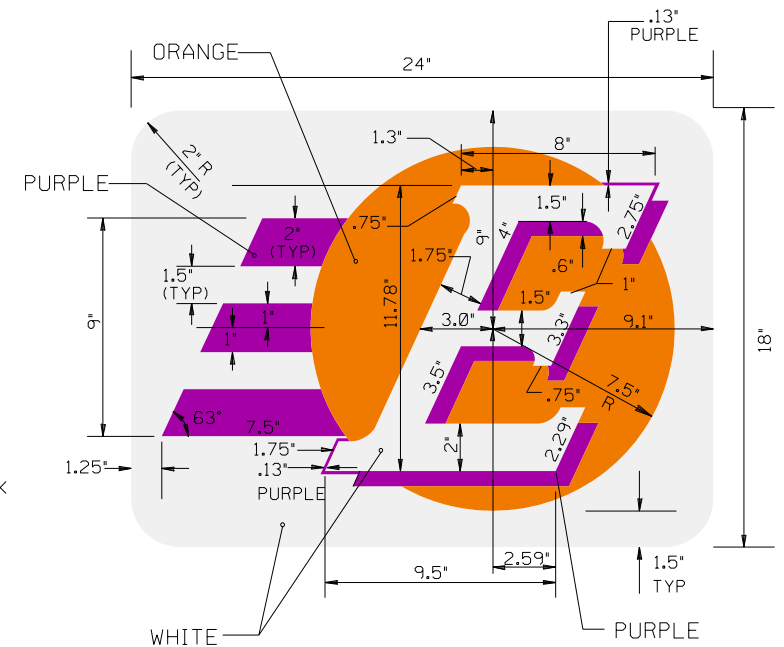
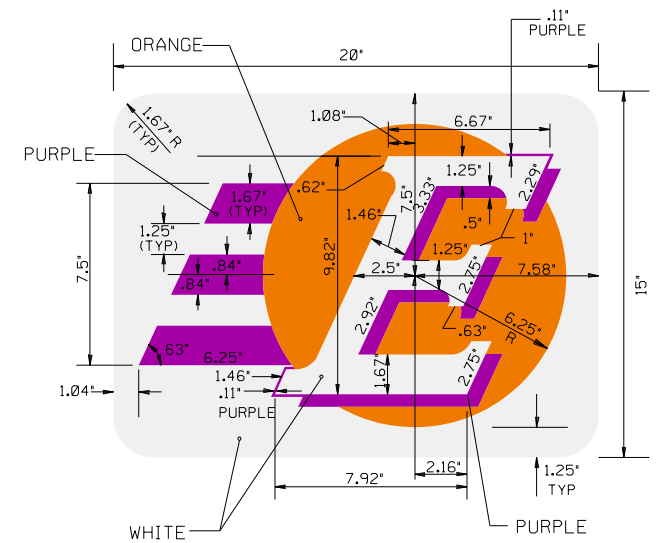


R E V I S I O N S							STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TOLL PLAZA SPECIAL DETAILS		SHEET NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			107-5



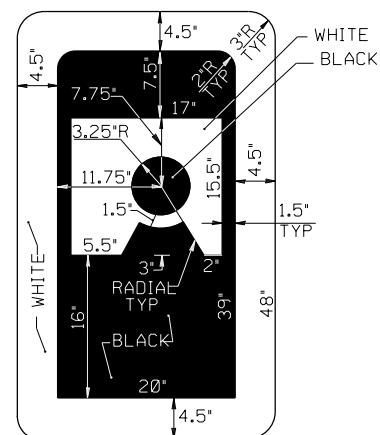
GENERAL NOTES FOR SUNPASS SHIELD ON MIXED-USE LANES

1. THE DEPARTMENT WILL PROVIDE THE LOGO IN MICROSTATION FORMAT FOR USE IN SIGN FABRICATION. SEE FDOT HIGHWAY SIGN LIBRARY.
2. THE LOGO SHALL NOT BE FABRICATED BY HAND CUT OUT METHOD.
3. ALL SIGN COLORS SHALL BE STANDARD HIGHWAY COLORS AS SPECIFIED IN THE MUTCD.

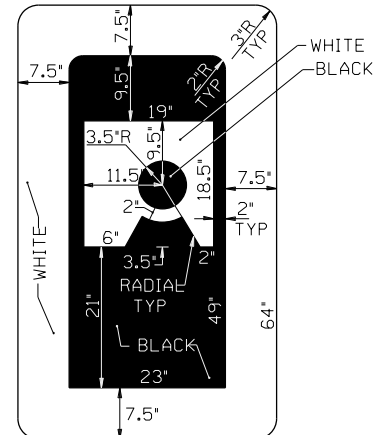


GENERAL NOTES FOR EPASS SHIELD:

1. EPASS LOGO COLORS:
WHITE
PURPLE, 3M VIOLET NO. 893 OR APPROVED EQUAL.
ORANGE, 3M ORANGE NO. 886 OR APPROVED EQUAL.
2. NARROW PORTIONS OF SPECIAL DESIGN COPY IN EPASS LOGO SHALL HAVE MINIMUM THICKNES OF 1.00 INCH.
3. ALL DIMENSIONS ARE IN INCHES.
4. THIS SHIELD SHALL BE ATTACHED BY RIVETING METHOD ONLY. NO ADHESIVES OR OTHER MEANS ARE ALLOWED.

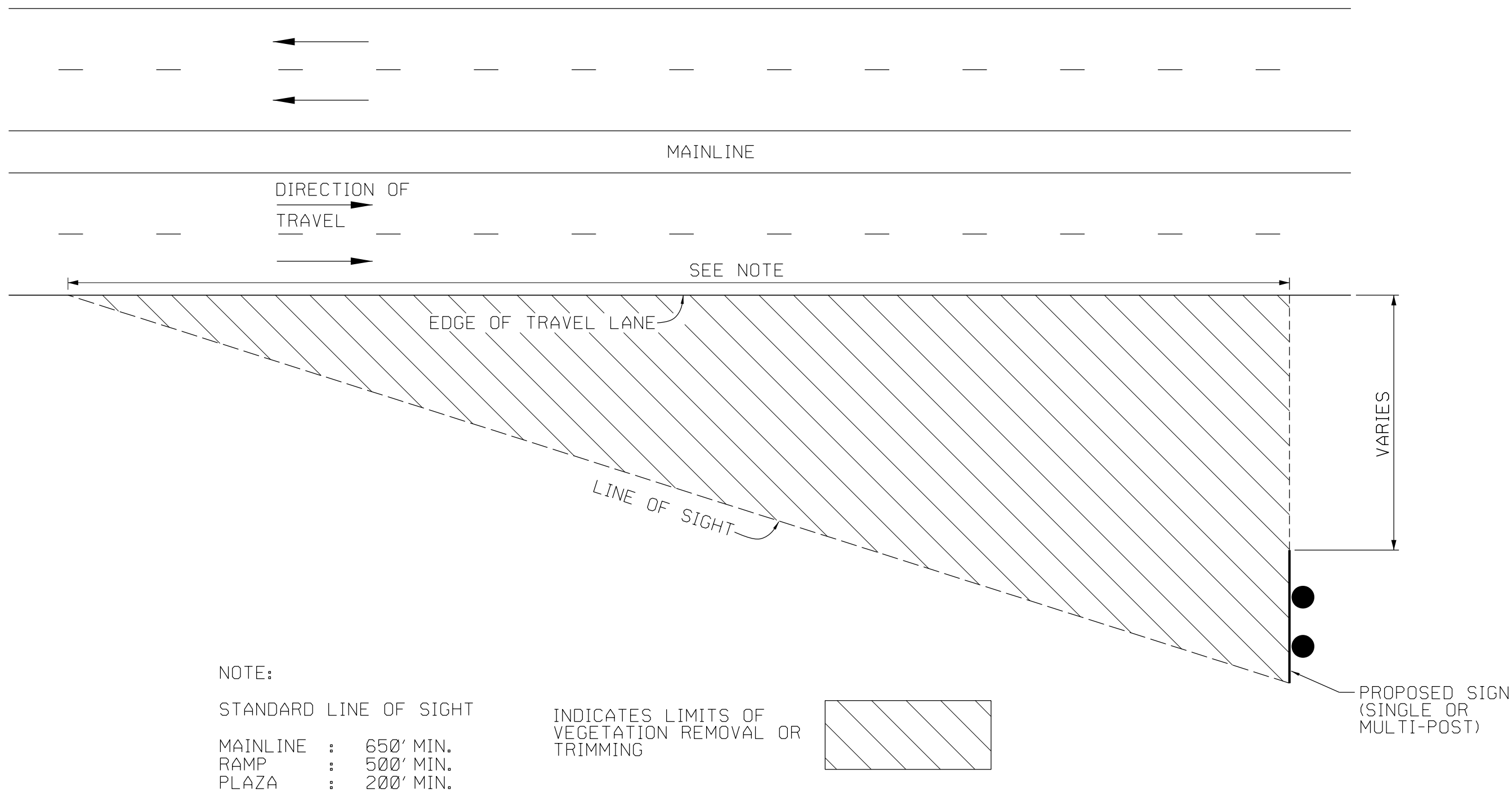


TOLL ATTENDANT SHIELD
FOR CANOPY MOUNTED SIGNS
29" X 48"



TOLL ATTENDANT SHIELD
FOR APPROACH SIGNS
38" X 64"

REVISIONS						STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION	SPECIAL SIGN DETAILS	SHEET NO. 108-3
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION			



N.T.S.

8/25/2025	R E V I S I O N S						STATE OF FLORIDA			MISCELLANEOUS DETAILS	SHEET NO.
	DATE	BY	DESCRIPTION	DATE	BY		DESCRIPTION	DEPARTMENT OF TRANSPORTATION			
								ROAD NO.	COUNTY		FINANCIAL PROJECT ID