# CITY OF TAMPA MOBILITY DEPARTMENT

# CONTRACT PLANS

### HILLSBOROUGH COUNTY

S ARMENIA AVE FROM W SWANN AVE TO W KENNEDY BLVD (0.69 MILES)

### SIGNING AND PAVEMENT MARKING PLANS

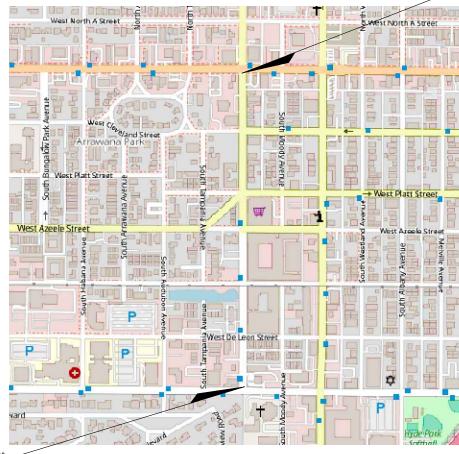
#### **PLANS** SHEET NO. SHEET DESCRIPTION 51 KEY SHEET 52 TABULATION OF QUANTITIES

INDEX OF SIGNING AND PAVEMENT MARKING

GENERAL NOTES 53 54 SPECIAL DETAILS SIGNING AND PAVEMENT MARKING PLANS S5 - S10

DESIGN S	PEED LIM	1IT
	POSTED SPEED	DESIGN SPEED
S ARMENIA AVE	30	30

GOVERNING STANDARDS AND SPECIFICATIONS FLORIDA DEPARTMENT OF TRANSPORTATION FY 2024-25 DESIGN STANDARDS AND REVISED INDEX DRAWING AS APPENDED HEREIN, AND FY 2024-25 STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, AS AMENDED BY CONTRACT DOCUMENTS AND THE CITY OF TAMPA.



Beginning of Project STA. 10+00



Project Location

Ending of Project

TOEN TOEN

CORIDA GANGANGANA

No. 87480

STATE OF

STA. 36+36.75

Robert Cody Hatton, Professional Engineer, State of Florida, License No. 87480

This item has been digitally signed and sealed by Robert Cody Hatton, P.E. using a Digital Signature and date.

Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

ENGINEER OF RECORD:

ROBERT CODY HATTON LICENSE NO. 87480 CITY OF TAMPA TRANSPORTATION ENGINEERING DEPARTMENT 306 E JACKSON ST TAMPA, FLORIDA 33602

CONSTRUCTION	FISCAL	SHEET
CONTRACT NO.	YEAR	NO.
	2024	<i>S</i> 1

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	TABULATION OF QUANTITIES		
PAY ITEM NO.	DESCRIPTION	UNIT	TOTAL
327 - 70 - 1	MILLING EXISTING ASPHALT PAVEMENT, 1" AVG DEPTH	SY	12795
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C, 1" THICK AVG DEPTH, SP-9.5	TN	704
110-4-10	REMOVAL OF EXISTING CONCRETE	SY	3.6
711-17-1	THERMOPLASTIC, REMOVE EXISTING THERMOPLASTIC PAVEMENT MARKINGS- SURFACE TO REMAIN	SF	397
700 - 1 - 11	SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12 SF	AS	1
700 - 1 - 60	SINGLE POST SIGN, REMOVE	AS	12
700-3-101	SIGN PANEL, FURNISH & INSTALL GROUND MOUNT, UP TO 12 SF	EA	2
660-2-101	LOOP ASSEMBLY, F&I, TYPE A	AS	1
660 - 2 - 106	LOOP ASSEMBLY, F&I, TYPE F	AS	1
SP 921-703-202b	OMEGAPOST - OP2-36WC-AGG, 2" 36" TALL, WHITE, WHITE CAP TWO BANDS GREEN SHEETING	EA	114
SP 921-703-202a	TUFF CURB XLP - TCXG-QTWW, GREEN BASE WITH 4 BOLT ATTACHMENT	EA	114
705-11-3	DELINEATOR, FLEXIBLE HIGH VISIBILITY MEDIAN 42", YELLOW	EA	2
523 - 1 - 3	PATTERNED PAVEMENT, VEHICULAR AREAS- GREEN BIKE LANE	SF	5789
SP 523-3	PATTERNED PAVEMENT, VEHICULAR AREAS- RED BUS LANE	SF SF	1958
3. 323 0		3,	1550
706 - 3	RETRO-REFLECTIVE PAVEMENT MARKERS WHITE/RED	EA	141
706-3	RETRO-REFLECTIVE PAVEMENT MARKERS YELLOW/YELLOW	EA	106
706-3	RETRO-REFLECTIVE PAVEMENT MARKERS BLUE/BLUE	EA	7
			· · · · · · · · · · · · · · · · · · ·
710-11-101	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID, 6"	LF	5255
710-11-101	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID, 8"	LF	263
710-11-102	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID FOR CROSSWALK, 12"	LF	709
710-11-124	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID FOR DIAGONAL OR CHEVRON, 18"	LF	958
710-11-124	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID FOR STOP LINE OR CROSSWALK, 24"	LF	749
710-11-141	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SKIP, 10-30 SKIP, 6"	LF.	620
710-11-133	PAINTED PAVEMENT MARKING, STANDARD, WHITE, 3'-9' SKIP DROP LINE, 12" WIDE,	LF LF	306
710-11-131	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, 2-4 SKIP, 6"	LF	2389
710-11-160	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, MESSAGE OR SYMBOL	EA	47
710-11-170	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, ARROWS	EA	43
710-11-201	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, SOLID, 6"	LF	2772
710-11-224	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, SOLID FOR CHEVRON, 18"	LF	188
710-11-231	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, SKIP, 3'-9' SKIP, 6"	LF	945
710-11-002	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID, 4"	LF	203
711-11-125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE	LF	147
711-11-141	THERMOPLASTIC, STANDARD, WHITE, SKIP, 6" 2-4 SKIP	LF	2389
711-11-124	THERMOPLASTIC, STANDARD, WHITE, SOLID, 18" FOR DIAGONAL OR CHEVRON	LF	958
711-11-224	THERMOPLASTIC, STANDARD, YELLOW, SOLID, 18" FOR DIAGONAL OR CHEVRON	LF	188
711-11-123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK	LF	709
711-14-125	THERMOPLASTIC, PREFORMED, WHITE, SOLID, 24" FOR CROSSWALK	LF	602
711-14-160	THERMOPLASTIC, PREFORMED, WHITE, MESSAGE	EA	22
711-14-160	THERMOPLASTIC, PREFORMED, WHITE, MESSAGE, BIKE SYMBOL	EA	25
711-14-170	THERMOPLASTIC, PREFORMED, WHITE, ARROW	EA	23
711-14-170	THERMOPLASTIC, PREFORMED, WHITE, ARROW, BIKE THRU / LEFT / RIGHT	EA	20
711 - 16 - 101	THERMOPLASTIC, STANDARD, WHITE, SOLID, 6"	LF	5255
711-16-102	THERMOPLASTIC, STANDARD, WHITE, SOLID, 8"	LF.	263
711-16-133	THERMOPLASTIC, STANDARD-OTHER SURFACES WHITE, SKIP, 12", 3-9 LANE DROP	LF	306
711-16-131	THERMOPLASTIC, STANDARD, WHITE, SKIP, 6", 10-30 SKIP	LF LF	620
711 - 16 - 201	THERMOPLASTIC, STANDARD, YELLOW, SOLID, 6"	LF.	2772
711-16-231	THERMOPLASTIC, STANDARD, YELLOW, SKIP, 6", 3-9 SKIP	LF	945
711-10-231	THERMOPLASTIC, STANDARD, WHITE, SOLID, 4"	LF LF	203
REVISIONS		LF	203
	ROBERT CODY HATTON, P.E.  DESCRIPTION P.E. LICENSE NUMBER 87480  MODILITY DEDARTMENT		
DATE			
DATE	CITY OF TAMPA	TARIT	T. A TYTONT I
DATE		TAB UL	LATION (

- 1. CITY OF TAMPA STANDARD DRAWINGS ARE AVAILABLE AT THE CITY HALL ANNEX. 306 E. JACKSON STREET, 6TH FLOOR, EAST WING.
- 2. CALL SUNSHINE (1-800-432-4770) AT LEAST 48 HOURS PRIOR TO ANY CONSTRUCTION ACTIVITY.
- 3. WHEN IN CONFLICT, UTILITY POLES, GAS LINES, UNDERGROUND ELECTRIC AND TELEPHONE CABLES WILL BE RELOCATED BY THE RESPECTIVE UTILITY OWNERS AT THEIR OWN EXPENSE AS DIRECTED BY THE ENGINEER.
- 4. SPECIAL CARE MUST BE TAKEN TO PROTECT WATER LINES DURING CONSTRUCTION. PROVIDE SUPPORTS AS NECESSARY.
- 5. STREET SIGNS AND STREET MARKERS SHALL BE REMOVED AND RELOCATED AS DIRECTED BY THE ENGINEER. ANY LOST OR DAMAGED SIGNS OR MARKERS SHALL BE REPLACED.
- 6. RESURFACING PROJECT WAS NOT SURVEYED. ALL STATIONS WERE GENERATED THROUGH MAP INFORMATION. SIGN LOCATIONS WITH OFFSETS WERE DEVELOPED BY FIELD MEASUREMENTS. FIELD ADJUSTMENTS MAY BE REQUIRED BY THE ENGINEER FOR SIGNING AND PAVEMENT MARKING INSTALLATIONS.
- 7. ANY UTILITY ADJUSTMENTS TO INLETS, VALVE BOXES, AND METER BOXES ARE TO BE DONE AS NEEDED TO MEET CHANGES TO ROADWAY ELEVATIONS.
- 8. BIKE LANE SEPARATOR POST AND CURB TO BE USED ARE AS FOLLOWS:
  - A. OP2-36WC-AGG OMEGAPOST, 2", 36" TALL, WHITE, WHITE CAP TWO BANDS GREEN SHEETING
  - B. TUFF CURB XLP TCXG-QTWW, GREEN BASE WITH 4 BOLT ATTACHMENT

#### TRAFFIC SIGNAL NOTES:

- 1. ANY TRAFFIC SIGNAL EQUIPMENT RELOCATION WILL BE COMPLETED BY A LICENSE SIGNAL CONTRACTOR. CONTACT DAVID WORLEY (813) 393-8425 (david.worley@tampagov.net) TO COORDINATE ANY REQUIRED SIGNAL INSPECTIONS WITH A MINIMUM OF 10 DAY NOTICE.
- 2. DAMAGED LOOPS AND FEEDERS WILL BE REPLACED AS PART OF THIS PROJECT AT THE CONTRACTOR'S EXPENSE. BEFORE THE LOOPS ARE DAMAGED, NOTIFY TRAFFIC OPERATIONS, MAURICE FOWLER (813) 395-8426 (maurice.fowler@tampagov.net) SO THAT HE CAN ORGANIZE REPLACEMENT.
- 3. CONTACT MAURICE FOWLER (813) 395-8426 FOR ANY NEW INDUCTIVE LOOPS TO SCHEDULE TESTING AND TRIAL ACCEPTANCE 10 DAYS PRIOR TO NEED. TYPE A 6'X30' 2' IN FRONT OF STOP BAR THRU LANES. TYPE F 6'X30' 2' IN FRONT OF STOP BAR FOR LEFT TURN LANES FOR REPLACEMENT OF ANY DAMAGED LOOPS AS A RESULT OF THIS PROJECT.
- 4. UNDERGROUND SIGNAL CABLE, FIBER OPTIC LINES AND CONDUIT EXIST AT SIGNALIZED INTERSECTIONS. ALL SIGNS WITHIN 50' OF A SIGNALIZED INTERSECTION MUST BE MARKED IN WHITE PRIOR TO CONTACTING SUNSHINE AND INSTALLATION.
- 5. STOP BAR DETECTION MUST BE MAINTAINED THROUGHOUT THE PROJECT DURATION. TEMPORARY DETECTION MAY BE REQUIRED AT THE CONTRACTORS EXPENSE.
- ANY BROKEN OR DAMAGED PULL BOXES WILL BE REPLACED AS PART OF THIS PROJECT.
- 7. NEW LOOPS ARE TO BE INSTALLED BEFORE THE TOP LIFT OF ASPHALT IS LAID.

#### TRAFFIC CONTROL NOTES:

- 1. MILLING AND RESURFACING ACTIVITY SHALL BE IN COMPLIANCE WITH FDOT STANDARD INDEX 102 SERIES.
- 2. SET UP WORK ZONE SIGNS IN ACCORDANCE WITH THE APPROPRIATE FDOT STANDARD INDEX 102 SERIES.
- 3. TRAFFIC FLOW SHALL BE MAINTAINED ALONG AFFECTED ROADWAYS AT ALL TIMES.
- 4. POSTED SPEED LIMITS SHALL BE MAINTAINED AT ALL TIMES.
- 5. ACCESS TO BUSINESSES AND/OR RESIDENTIAL PROPERTIES SHALL BE MAINTAINED AT ALL TIMES.
- 6. EXISTING DRAINAGE PATTERNS SHALL BE MAINTAINED AT ALL TIMES.
- 7. THE CONTRACTOR SHALL ADHERE TO FDOT STANDARD INDEX 102 WITH REGARDS TO DROP OFFS IN WORK ZONES.

#### SIGNING AND PAVEMENT MARKING GENERAL NOTES:

- 1. PAVEMENT MARKINGS SHALL BE PLACED AS SHOWN IN THE PLANS WITH THE APPROPRIATE FDOT DESIGN STANDARD INDEX AND MUTCD ADHERENCE. ALL PAVEMENT MARKINGS SHALL BE REINSTALLED ACCORDING TO EXISTING MARKINGS UNLESS OTHERWISE NOTED.
- 2. CAUTION SHOULD BE EXERCISED WHILE RELOCATING EXISTING SIGNS SO AS TO PREVENT DAMAGE TO THE SIGNS. IF THE SIGNS ARE DAMAGED BEYOND USE, AS DETERMINED BY THE ENGINEER, THEY SHALL BE REPLACED BY THE CONTRACTOR AT HIS EXPENSE.
- 3. THE SIGN AND PAVEMENT MARKING LOCATIONS ARE APPROXIMATE AND MAY REQUIRE FIELD ADJUSTMENT AS DIRECTED BY THE ENGINEER.
- 4. ANY EXISTING SIGN TO REMAIN THAT IS DISTURBED DURING CONSTRUCTION SHALL BE RESET TO CURRENT STANDARDS FOR HEIGHT, OFFSET AND METHOD OF INSTALLATION.
- 5. SPECIAL PAVEMENT MARKINGS ARE REQUIRED AROUND CURB INLETS OR AROUND DRAIN GRATES. SEE SIGNING AND PAVEMENT MARKING SPECIAL DETAIL SHEET, IF APPLICABLE.
- 6. "SHARE THE ROAD" MARKINGS WILL BE INSTALLED WITH PRE-FORMED THERMOPLASTIC PAVEMENT MARKINGS.
- 7. RECOMMENDED SPACING FOR SHARED LANE MARKING: IMMEDIATELY AFTER INTERSECTIONS AND AT A MAXIMUM SPACING OF 250 FEET.
- 8. IF REMOVAL OF EXISTING MARKINGS IS REQUIRED, IT SHALL BE DONE BY HYDRO-BLASTING OR MICRO-GRINDING IF APPROVED BY THE ENGINEER.
- 9. REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED IN ACCORDANCE WITH CURRENT FDOT STANDARD INDEX 706-001.
- 10. APPLY BICYCLE MARKINGS 5' (MINIMUM) FROM CURB RADIUS RETURN OR AS INDICATED ON THE PLAN.
- 11. INSTALL PROPOSED SIGNS ACCORDING TO FDOT INDEX NO. 700-101 (TYPICAL SECTIONS FOR PLACEMENT OF SINGLE & MULTI-COLUMN SIGNS) UNLESS OTHERWISE NOTED OR AS DIRECTED BY THE ENGINEER.
- 12. WHEN UPGRADING OR INSTALLING PEDESTRIAN CROSSWALKS, PED RAMPS SHALL BE MADE ADA COMPLIANT IF NEEDED.
- 13. ANY VEGETATION INTERFERING WITH THE VISIBILITY OF THE EXISTING AND/OR PROPOSED SIGNS SHALL BE TRIMMED OR REMOVED UNTIL FULL VISIBILITY IS RESTORED.

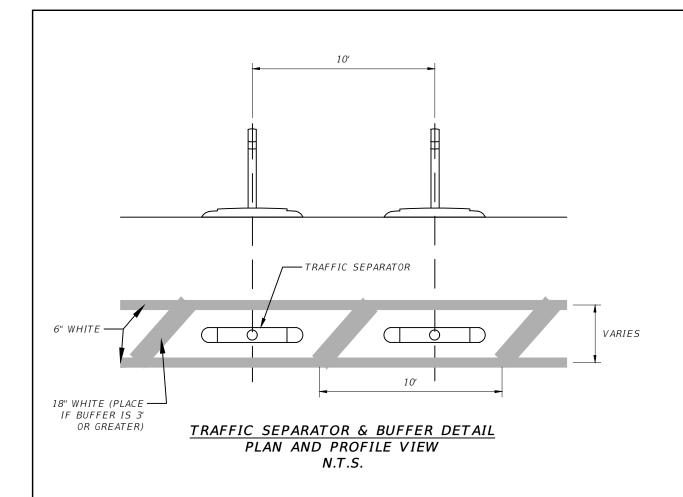
REVISIONS CITY OF TAMPA ROBERT CODY HATTON, P.E. DESCRIPTION DATE DESCRIPTION P.E. LICENSE NUMBER 87480 MOBILITY DEPARTMENT CITY OF TAMPA FINANCIAL PROJECT ID ROAD NO COUNTY 306 E JACKSON ST TAMPA, FLORIDA 33602 ARMENIA AVE HILLSBOROUGH CERTIFICATE OF AUTHORIZATION N/A

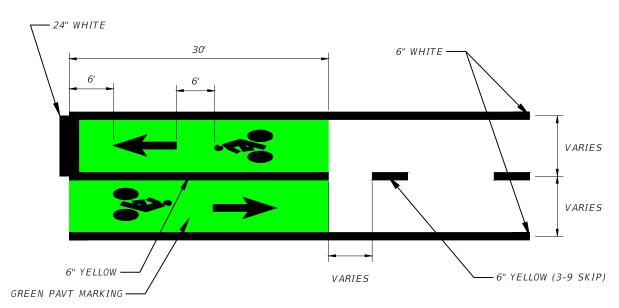
GENERAL NOTES

SHEET NO.

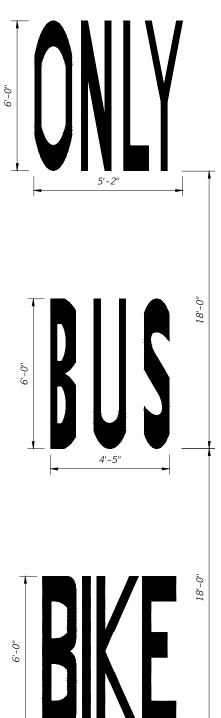
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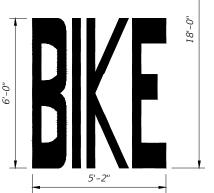
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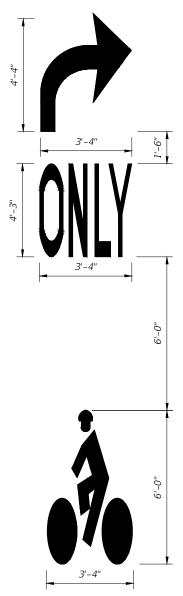












REDUCED SIZE BIKE LANE RIGHT TURN ONLY PAVEMENT MESSAGE DETAIL
PLAN AND PROFILE VIEW N.T.S.

## REDUCED SIZE BUS LANE PAVEMENT MESSAGE DETAIL PLAN AND PROFILE VIEW N.T.S.

NOTE: SHRUNKEN MESSAGES ONLY IN USE IN BUS BAY AT STA 15+00 (SHEET S-6).

	R E V I S	SIONS		ROBERT CODY HATTON, P.E.
DATE	DESCRIPTION	DATE	DESCRIPTION	P.E. LICENSE NUMBER 87480
				CITY OF TAMPA
				306 E JACKSON ST
				TAMPA, FLORIDA 33602
				CERTIFICATE OF AUTHORIZATION N/A

CITY OF TAMPA MOBILITY DEPARTMENT				
OAD NO.	COUNTY	FINANCIAL PROJECT ID		
MENIA AVE	HILLSBOROUGH			

SPECIAL DETAILS

SHEET

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