

CITY OF TAMPA
MOBILITY DEPARTMENT

CONTRACT PLANS

CITY OF TAMPA PROJECT #1001531
FDOT FINANCIAL PROJECT ID 436640-1-58-01
(FEDERAL FUNDS)

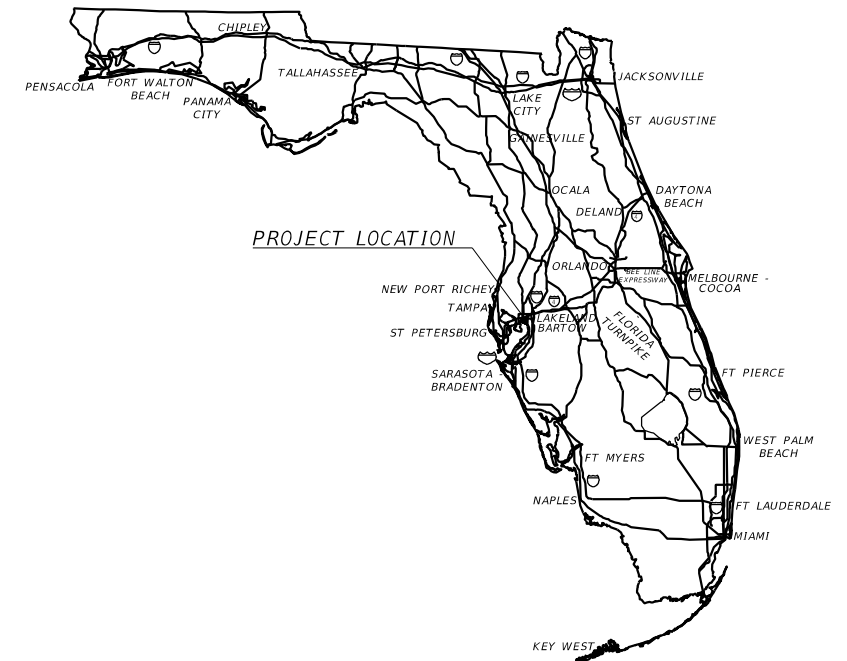
HILLSBOROUGH COUNTY (10140)

FLORIBRASKA AVE. FROM
N. TAMPA ST. TO 9TH ST.

SIGNALIZATION PLANS

INDEX OF SIGNALIZATION PLANS

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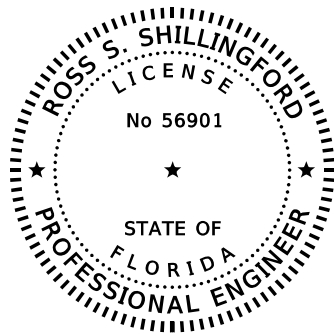
FINAL SUBMITTAL
FEBRUARY 22, 2024

SIGNALIZATION PLANS
ENGINEER OF RECORD:
ROSS S. SHILLINGFORD, P.E.
P.E. NO.: 56901
STANTEC CONSULTING SERVICES, INC.
2056 VISTA PARKWAY, SUITE 100
WEST PALM BEACH, FLORIDA 33411
PHONE: 561-686-7707
VENDOR NO.: VF 112-167-170

CITY OF TAMPA PROJECT
MANAGER:
NINA MABILLEAU, E.I.

SHEET
NO.
T-1

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



THIS ITEM HAS BEEN DIGITALLY
SIGNED AND SEALED BY:

ON THE DATE ADJACENT TO THE SEAL

PRINTED COPIES OF THIS DOCUMENT ARE
NOT CONSIDERED SIGNED AND SEALED.
THE SIGNATURE MUST BE VERIFIED
ON THE ELECTRONIC COPIES.

STANTEC CONSULTING SERVICES INC.
2056 VISTA PARKWAY, SUITE 100
WEST PALM BEACH, FLORIDA 33411
ROSS S. SHILLINGFORD, P.E. NO. 56901

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR
THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.004, F.A.C.

SIGNALIZATION PLANS

SHEET NO.	SHEET DESCRIPTION
T-1	KEY SHEET
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REVISIONS				ROSS SHILLINGFORD, P.E. P.E. LICENSE NUMBER 56901 STANTEC CONSULTING SERVICES INC. 2056 VISTA PARKWAY, SUITE 100 WEST PALM BEACH, FLORIDA 33411	CITY OF TAMPA MOBILITY DEPARTMENT			SHEET NO. T-2
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
					FLORIBRASKA AVE.	HILLSBOROUGH	436640-1-58-01	

SIGNATURE SHEET

TABULATION OF QUANTITIES

PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS														TOTAL THIS SHEET		GRAND TOTAL	
			T-5		T-6		T-7		T-8											
			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL		
660-2-101	LOOP ASSEMBLY- F&I, TYPE A	AS	1					4									5	5		
671-2-40	TRAFFIC CONTROLLER, MODIFY	EA	1		1		1	1									4	4		

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ROSS SHILLINGFORD, P.E.
P.E. LICENSE NUMBER 56901
STANTEC CONSULTING SERVICES INC.
2056 VISTA PARKWAY, SUITE 100
WEST PALM BEACH, FLORIDA 33411

CITY OF TAMPA MOBILITY DEPARTMENT		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
FLORIBRASKA AVE.	HILLSBOROUGH	436640-1-58-01

TABULATION OF QUANTITIES

SHEET NO.
T-3

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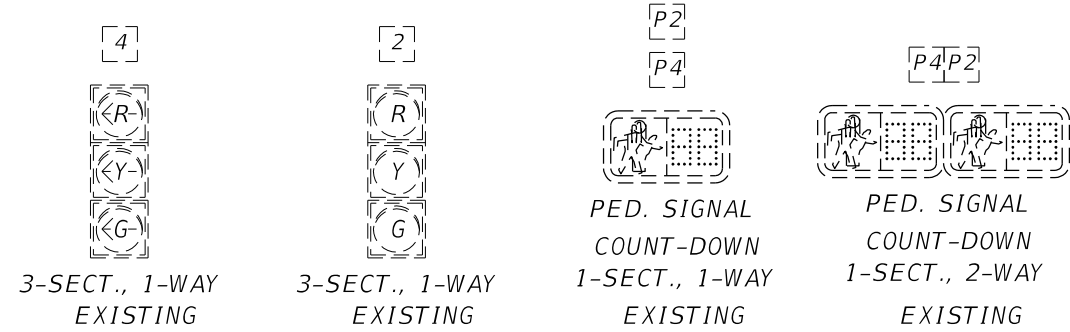
SIGNALIZATION GENERAL NOTES:

1. ALL MATERIALS AND INSTALLATIONS SHALL BE IN ACCORDANCE WITH THE FDOT STANDARD PLANS FOR ROAD AND BRIDGE CONSTRUCTION DATED FY 2021-22, FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION DATED JULY 2022, AND THE CITY OF TAMPA'S GENERAL INFORMATION PACKAGE FOR TRAFFIC SIGNAL CONTRACTORS.
2. THE LOCATIONS OF UTILITIES SHOWN ON THE PLANS ARE APPROXIMATE. PRIOR TO DIGGING, DETERMINE THE EXACT LOCATIONS OF ALL UTILITIES THAT MAY BE IN CONFLICT PRIOR TO ORDERING SIGNAL POLES.
3. ONE WEEK PRIOR TO THE START OF THE TRAFFIC SIGNAL INSTALLATION, CONTACT:

MR. DAVID WORLEY
 TRAFFIC SIGNAL SUPERVISOR
 CITY OF TAMPA
 3802 E. 26TH AVENUE
 TAMPA, FLORIDA 33605
 PHONE: (813) 393-8425
 E-MAIL: david.worley@tampagov.net
4. CONTACT THE LOCAL POWER COMPANY AT LEAST 30 CALENDAR DAYS IN ADVANCE FOR ASSISTANCE IN PERFORMING ALL NECESSARY WORK UNDER POWER LINES. SUCH WORK SHALL INCLUDE, BUT NOT BE LIMITED TO THE INSTALLATION OF SIGNAL POLES.
5. SUBMIT THE AS-BUILT PLANS TO THE ENGINEER FOR APPROVAL PRIOR TO THE 48 HOUR TEST. UPON THE 48 HOUR TEST, THE ENGINEER SHALL PROVIDE AT LEAST ONE COPY OF THE FINAL AS-BUILT PLANS TO THE CITY OF TAMPA AND ONE COPY TO DISTRICT TRAFFIC OPERATIONS.
6. FOR A LISTING OF UTILITY OWNERS, SEE ROADWAY SHEET No. UT-18.
7. NOTIFY TRAFFIC ENGINEERING AT 813-274-7358 AT LEAST TWO FULL BUSINESS DAYS BEFORE MAKING ANY ADJUSTMENTS OR MODIFICATIONS TO ANY COMMUNICATIONS. ALL EXISTING I.T.S. DEVICES SHALL REMAIN OPERATIONAL THROUGHOUT CONSTRUCTION. ANY DAMAGE CAUSED BY THE CONTRACTOR THAT MAY INTERRUPT THE OPERATION AND/OR CONNECTIVITY OF THESE DEVICES WITH THE CITY OF TAMPA CONTROL CENTER SHALL BE REPORTED IMMEDIATELY AND RESTORED TO IT'S ORIGINAL CONDITION AND OPERATION WITHIN 48 HOURS AT NO ADDITIONAL COST.
8. ALL FIELD WIRING SHALL BE NEATLY BUNDLED AND CLEARLY IDENTIFIED WITH PERMANENT LEGIBLE, WEATHER-PROOF TAGS THAT ARE SECURELY ATTACHED TO EACH CABLE. THE TAGGING SYSTEM PROPOSED SHALL BE SUBMITTED FOR APPROVAL WITH THE OTHER EQUIPMENT SUBMITTALS REQUIRED FOR THIS PROJECT.
9. NOTIFY THE CITY OF TAMPA SIGNAL SHOP (813-274-3101) AND FDOT DISTRICT SEVEN TRAFFIC OPERATIONS (813-975-4216) AT LEAST 48 HOURS IN ADVANCE OF TURNING ON A NEW OR MODIFIED CONTROLLER CABINET ASSEMBLY.
10. GROUND RODS CAN BE WITHIN THE PED SIGNAL OR SIGNAL PEDESTAL FOUNDATION, OR WITHIN THE PED SIGNAL PULL BOX WITHIN TEN FEET OF THE PED POLE. GROUND RODS MUST BE ACCESSIBLE FOR INSPECTION.
11. DAISY CHAINING OF SIGNAL CABLE AT SIGNALS OR POLES IS UNACCEPTABLE.
12. SIGNALIZATION PULL BOXES AND COVERS MUST INCLUDE THE RAISED LOGO "TRAFFIC SIGNAL". INTERCONNECT PULL BOXES AND SPLICE BOXES MUST INCLUDE THE RAISED LOGO "CITY OF TAMPA FIBER OPTIC".

REVISIONS				ROSS SHILLINGFORD, P.E. P.E. LICENSE NUMBER 56901 STANTEC CONSULTING SERVICES INC. 2056 VISTA PARKWAY, SUITE 100 WEST PALM BEACH, FLORIDA 33411	CITY OF TAMPA MOBILITY DEPARTMENT			GENERAL NOTES	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		T-4
					FLORIBRASKA AVE.	HILLSBOROUGH	436640-1-58-01		

SIGNAL HEAD DETAILS

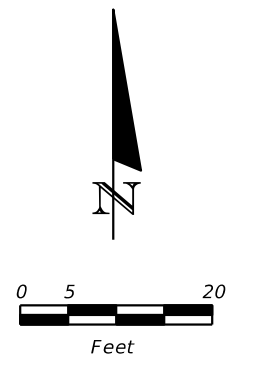
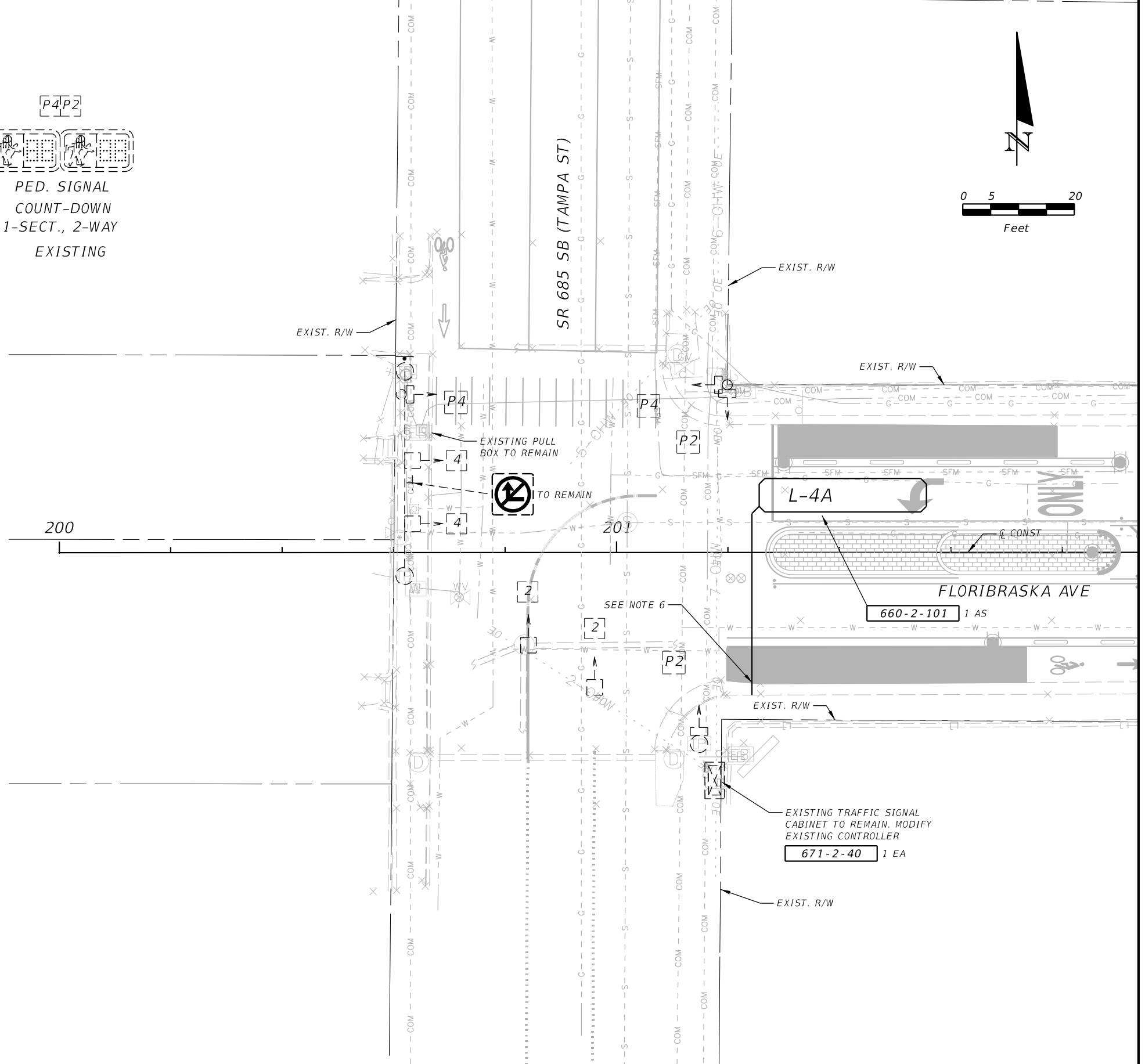


NOTES:

1. MAJOR STREET IS SR 685 SB (TAMPA ST), MOVEMENT 2. MINOR STREET IS FLORIBASKA AVE, MOVEMENT 4.
2. THE EXISTING SIGNAL OPERATING PLAN IS TO REMAIN. MODIFY EXISTING SIGNAL TIMINGS TO THOSE LISTED IN THE CONTROLLER TIMINGS TABLE BELOW. INCLUDE ALL COSTS FOR CONTROLLER AND TIMING MODIFICATIONS IN ITEM 671-2-40.
3. UTILIZE EXISTING CONDUIT AND PULL BOXES TO THE EXTENT POSSIBLE. PULL BOXES REQUIRING REPLACEMENT DUE TO SIDEWALK CONSTRUCTION SHALL BE INSTALLED IN THE SAME LOCATION.
4. TYPE A LOOPS SHALL BE 6' x 30' FOR VEHICULAR DETECTION AND SHALL EXTEND 2' BEYOND STOP BARS.
5. POSTED SPEEDS: SR 685 SB (TAMPA ST) - 40 MPH
FLORIBASKA AVE - 30 MPH
6. NEW LOOPS AT THIS INTERSECTION SHALL UTILIZE EXISTING LOOP WINDOWS FOR THE FEEDER RUN TO THE PULL BOX.

CONTROLLER TIMINGS				
TIMING FUNCTION				
MOVEMENT NUMBER	2	4		
MINIMUM GREEN				
EXTENSION				
MAXIMUM GREEN 1				
MAXIMUM GREEN 2				
YELLOW CLEARANCE	4.4	4.0		
ALL RED	2.0	2.0		
PEDESTRIAN WALK	7	7		
PED. CLEARANCE	11	13		
RECALL				

NOTE: TIMINGS ARE INITIAL AND MAY REQUIRE FIELD ADJUSTMENT AS DETERMINED BY THE ENGINEER.



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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WEST PALM BEACH, FLORIDA 33411

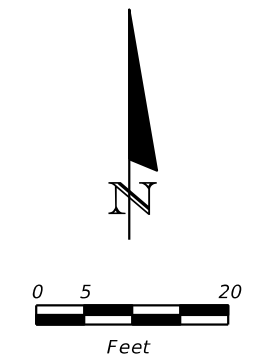
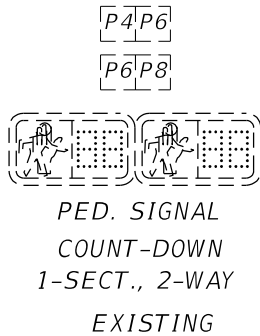
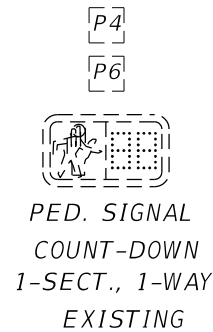
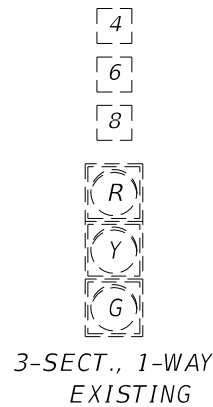
CITY OF TAMPA MOBILITY DEPARTMENT		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
FLORIBASKA AVE.	HILLSBOROUGH	436640-1-58-01

SIGNALIZATION PLAN (1)

SHEET NO.
T-5

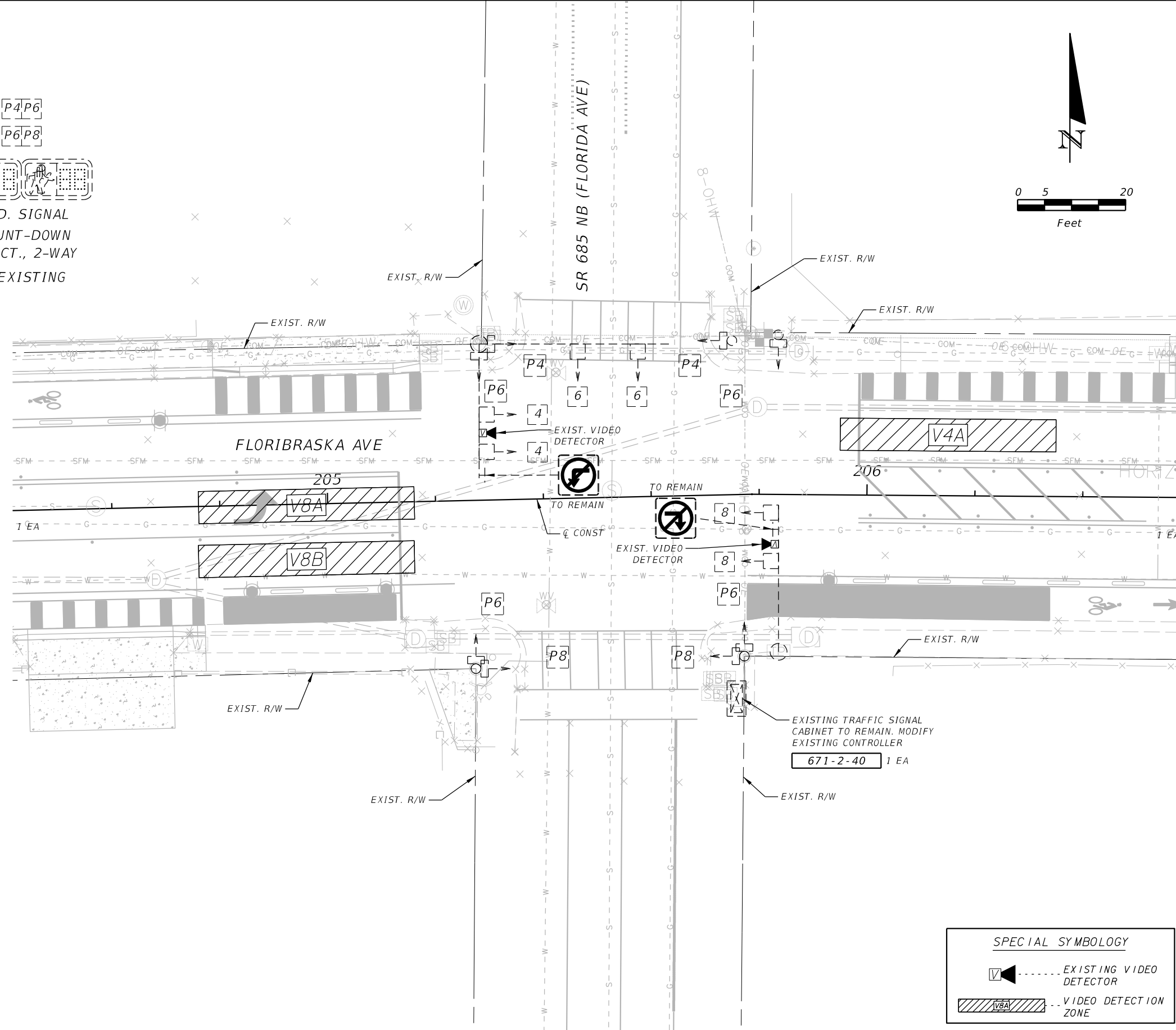
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SIGNAL HEAD DETAILS



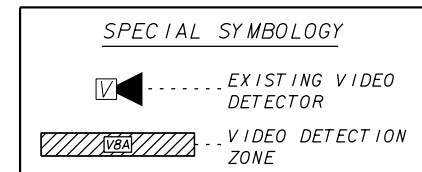
NOTES:

1. MAJOR STREET IS SR 685 NB (FLORIDA AVE), MOVEMENT 6.
MINOR STREET IS FLORIBRASKA AVE, MOVEMENTS 4 AND 8.
2. EXISTING SIGNAL OPERATING PLAN TO REMAIN. MODIFY EXISTING SIGNAL TIMINGS TO THOSE LISTED IN THE CONTROLLER TIMINGS TABLE BELOW. INCLUDE ALL COSTS FOR CONTROLLER AND TIMING MODIFICATIONS IN ITEM 671-2-40.
3. UTILIZE EXISTING CONDUIT AND PULL BOXES TO THE EXTENT POSSIBLE. PULL BOXES REQUIRING REPLACEMENT DUE TO SIDEWALK CONSTRUCTION SHALL BE INSTALLED IN THE SAME LOCATION.
4. POSTED SPEEDS: SR 685 NB (FLORIDA AVE) - 40 MPH
FLORIBRASKA AVE - 30 MPH



CONTROLLER TIMINGS				
TIMING FUNCTION				
MOVEMENT NUMBER	4	6	8	
MINIMUM GREEN				
EXTENSION				
MAXIMUM GREEN 1				
MAXIMUM GREEN 2				
YELLOW CLEARANCE	4.0	4.4	4.0	
ALL RED	2.0	2.0	2.0	
PEDESTRIAN WALK	7	7	7	
PED. CLEARANCE	10	13	10	
RECALL				

NOTE: TIMINGS ARE INITIAL AND MAY REQUIRE FIELD ADJUSTMENT AS DETERMINED BY THE ENGINEER.



REVISIONS			
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WEST PALM BEACH, FLORIDA 33411

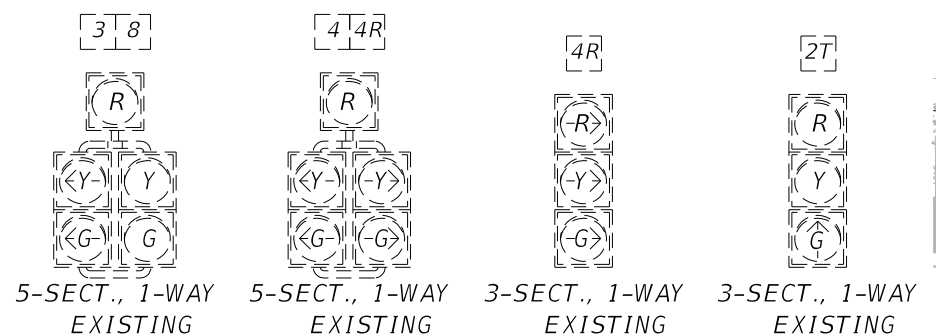
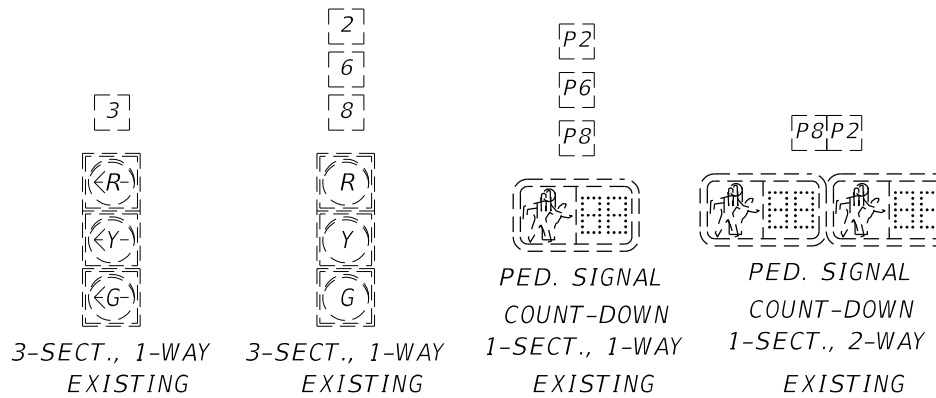
CITY OF TAMPA MOBILITY DEPARTMENT		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
FLORIBRASKA AVE.	HILLSBOROUGH	436640-1-58-01

SIGNALIZATION PLAN (2)

SHEET NO.
T-6

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SIGNAL HEAD DETAILS

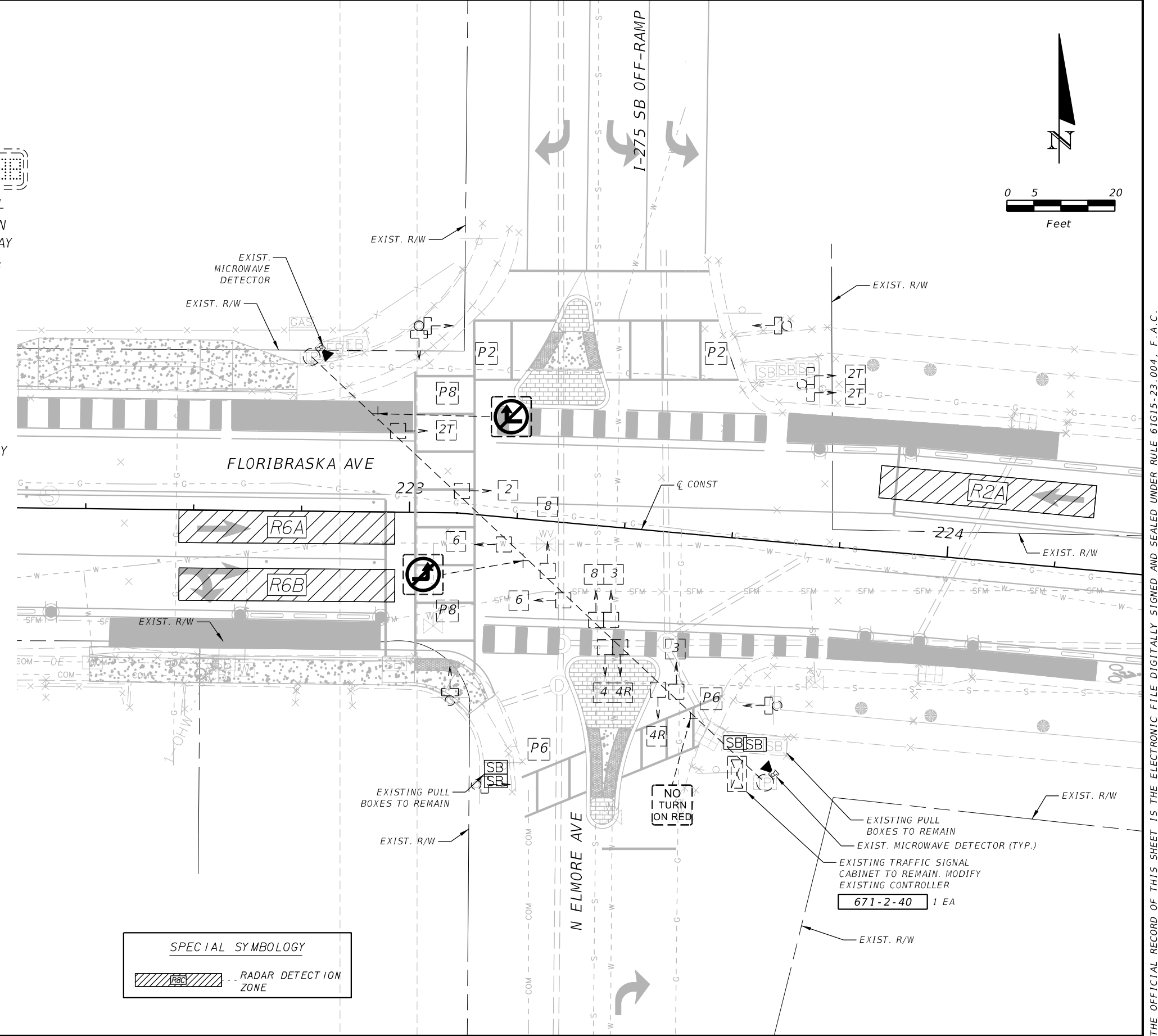


NOTES:

1. MAJOR STREET IS FLORIBRASKA AVE, MOVEMENTS 2, 2C, 6, AND 6C. MINOR STREET IS I-275 SB OFF-RAMP/N ELMORE AVE, MOVEMENTS 3, 4 AND 8.
2. THE EXISTING SIGNAL OPERATING PLAN IS TO REMAIN. MODIFY EXISTING SIGNAL TIMINGS TO THOSE LISTED IN THE CONTROLLER TIMINGS TABLE BELOW. INCLUDE ALL COSTS FOR CONTROLLER AND TIMING MODIFICATIONS IN ITEM 671-2-40.
3. UTILIZE EXISTING CONDUIT AND PULL BOXES TO THE EXTENT POSSIBLE. PULL BOXES REQUIRING REPLACEMENT DUE TO SIDEWALK CONSTRUCTION SHALL BE INSTALLED IN THE SAME LOCATION.
4. POSTED SPEED: I-275 SB OFF-RAMP/N ELMORE AVE - 25 MPH
FLORIBRASKA AVE - 30 MPH

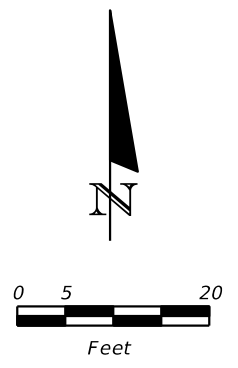
CONTROLLER TIMINGS							
TIMING FUNCTION	2	3	4	4R	6	8	
MINIMUM GREEN							
EXTENSION							
MAXIMUM GREEN 1							
MAXIMUM GREEN 2							
YELLOW CLEARANCE	4.0	3.4	3.4	3.4	4.0	3.4	
ALL RED	2.0	2.8	3.4	3.4	2.0	2.8	
PEDESTRIAN WALK	7				7	7	
PED. CLEARANCE	13				11	14	
RECALL							

NOTE: TIMINGS ARE INITIAL AND MAY REQUIRE FIELD ADJUSTMENT AS DETERMINED BY THE ENGINEER.



SPECIAL SYMBOLOGY

- RADAR DETECTION ZONE



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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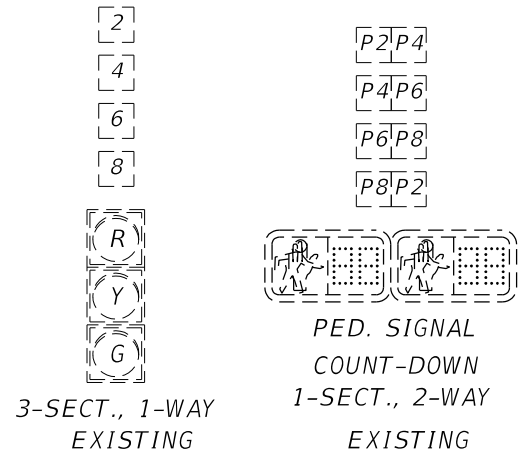
CITY OF TAMPA MOBILITY DEPARTMENT		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
FLORIBRASKA AVE.	HILLSBOROUGH	436640-1-58-01

SIGNALIZATION PLAN (3)

T-7

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SIGNAL HEAD DETAILS

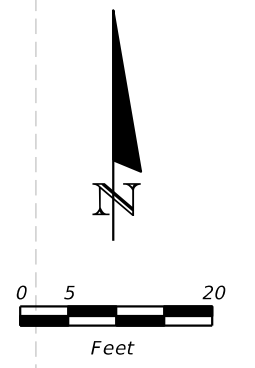
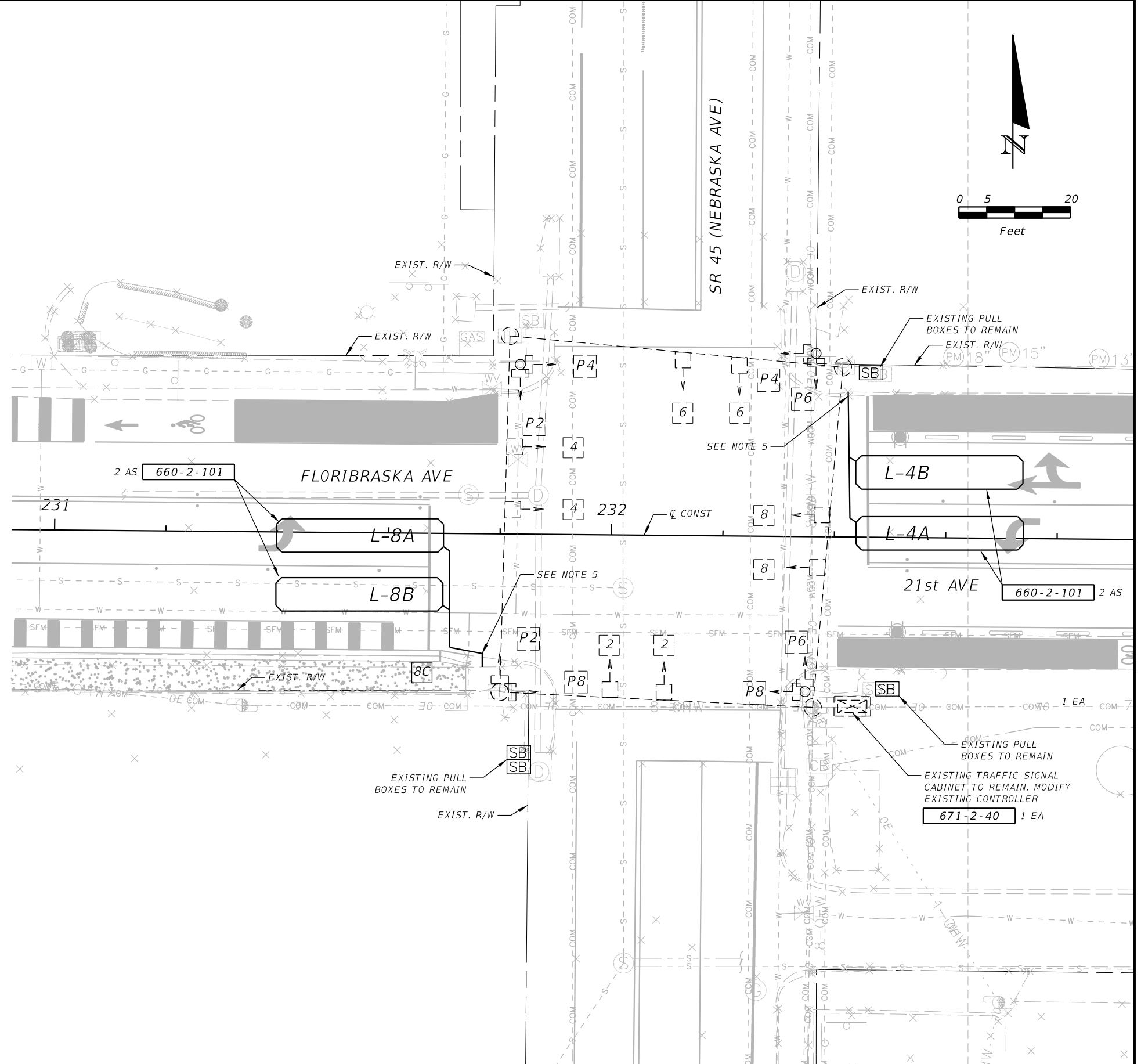


NOTES:

1. MAJOR STREET IS SR 45 (NEBRASKA AVE), MOVEMENTS 2 AND 6. MINOR STREET IS FLORIBRASKA AVE/21st AVE, MOVEMENTS 4 AND 8.
2. THE EXISTING SIGNAL OPERATING PLAN IS TO REMAIN. MODIFY EXISTING SIGNAL TIMINGS TO THOSE LISTED IN THE CONTROLLER TIMINGS TABLE BELOW. INCLUDE ALL COSTS FOR CONTROLLER AND TIMING MODIFICATIONS IN ITEM 671-2-40.
3. UTILIZE EXISTING CONDUIT AND PULL BOXES TO THE EXTENT POSSIBLE. PULL BOXES REQUIRING REPLACEMENT DUE TO SIDEWALK CONSTRUCTION SHALL BE INSTALLED IN THE SAME LOCATION.
4. TYPE A LOOPS SHALL BE 6' x 30' FOR VEHICULAR DETECTION AND SHALL EXTEND 2' BEYOND STOP BARS.
5. ALL NEW LOOPS INSTALLED AT THIS INTERSECTION SHALL UTILIZE EXISTING LOOP WINDOWS FOR THE FEEDER RUN TO THE PULL BOX.
6. POSTED SPEED: SR 45 (NEBRASKA AVE) - 35 MPH
FLORIBRASKA AVE - 30 MPH

CONTROLLER TIMINGS						
TIMING FUNCTION	2	4	6	8		
MOVEMENT NUMBER	2	4	6	8		
MINIMUM GREEN						
EXTENSION						
MAXIMUM GREEN 1						
MAXIMUM GREEN 2						
YELLOW CLEARANCE	4.0	4.0	4.0	4.0		
ALL RED	2.0	2.0	2.0	2.0		
PEDESTRIAN WALK	7	7	7	7		
PED. CLEARANCE	12	11	14	12		
RECALL						

NOTE: TIMINGS ARE INITIAL AND MAY REQUIRE FIELD ADJUSTMENT AS DETERMINED BY THE ENGINEER.



REVISIONS				ROSS SHILLINGFORD, P.E. P.E. LICENSE NUMBER 56901 STANTEC CONSULTING SERVICES INC. 2056 VISTA PARKWAY, SUITE 100 WEST PALM BEACH, FLORIDA 33411	CITY OF TAMPA MOBILITY DEPARTMENT			SHEET NO. T-8
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
					FLORIBRASKA AVE.	HILLSBOROUGH	436640-1-58-01	

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