AUTORIDAD
METROPOLITANA DE
AUTOBUSES

SUBASTA FORMAL NÚM. 45-2223-003

REMODELACIÓN Y ROTULACIÓN DE PARADAS

PLANOS RUTA 2

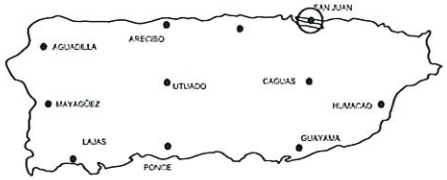
37 Ave. De Diego, Urb. San Francisco, Río Piedras / Box 195349, San Juan, PR 00919-5349
Teléfono 787-294-0500 / Fax 787-751-0527

BUS STOP SIGNAGE PROJECT - PHASE 1
ROUTE 2 | BUS STOPS

SCHEDULE OF DRAWING

SHEET NO.	DRAWING NO.	DESCRIPTION
1	TI-1	TITLE SHEET
2	GR-1.01	INDEX SHEET: ROUTE 2 | BUS STOPS
3	MOT-1.01	MAINTENACE OF TRAFFIC: NOTES AND DETAILS
4	MOT-1.02	MAINTENACE OF TRAFFIC DETAILS
5	MOT-1.03	MAINTENACE OF TRAFFIC DETAILS
6	MOT-1.04	MAINTENACE OF TRAFFIC DETAILS
ROUTE 2 | FROM BAYAMON TERMINAL TO SAGRADO CORAZON STATION		
7 - 40	TS-1.01 TO TS-1.34: ROUTE 2 | BUS STOPS	
ROUTE 2 | FROM SAGRADO CORAZON STATION TO BAYAMON TERMINAL		
41 - 76	TS-2.01 TO TS-2.36: ROUTE 2 | BUS STOPS	
77 - 92	TS-3.01 TO TS-3.16: TRAFFIC SIGNS DETAILS	

MUNICIPALITIES OF SAN JUAN AND BAYAMON
LOCALIZACION 1:20,000



AUTORIDAD METROPOLITANA DE AUTOBUSES

FROM SAGRADO CORAZÓN TO BAYAMÓN
PR-25, PR-1, PR-23 & PR-2
MUNICIPALITY OF SAN JUAN & BAYAMÓN

NOTE:
ALL WORK ON THIS PROJECT SHALL BE PERFORMED AND ALL MATERIALS SHALL BE IN SUBSTANTIAL CONFORMITY WITH THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND GENERAL PROVISIONS APPROVED BY THE PUERTO RICO HIGHWAY AND TRANSPORTATION AUTHORITY IN 2011

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OWNER:

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DRAWING TYPE: TI-1

SHEET: 1 OF 92

ROUTE 2 | BUS STOPS

ROUTE 2: FROM BAYAMON TO SAGRADO CORAZON

NUMBER	SHEET	BUS STOP	BUS STOP LOCATION	MUNICIPALITY
			BAYAMÓN TERMINAL	
7	TS-1.01	1	BOBBY CAPÓ AVENUE BEFORE COMERÍO AVENUE	BAYAMÓN
8	TS-1.02	2	RAMÓN LUIS RIVERA AVENUE BEFORE BETANCES ST.	BAYAMÓN
9	TS-1.03	3	COMERÍO AVENUE BEFORE OPPOSITE SIDE MANUEL ROSSI ST.	BAYAMÓN
10	TS-1.04	4	HIGHWAY PR-2 BEFORE RÍO HONDO EXPRESSWAY (PR-5) EXIT	BAYAMÓN
11	TS-1.05	5	HIGHWAY PR-2 BEFORE MARTÍNEZ ST.	BAYAMÓN
12	TS-1.06	6	HIGHWAY PR-2 AFTER MARTÍNEZ ST.	BAYAMÓN
13	TS-1.07	7	HIGHWAY PR-2 BEFORE MAIN AVE.	BAYAMÓN
14	TS-1.08	8	HIGHWAY PR-2 AFTER OPPOSITE SIDE OF HIGHWAY PR-6	BAYAMÓN
15	TS-1.09	9	HIGHWAY PR-2 OPPOSITE SIDE OF DEALER TOYOTA	BAYAMÓN
16	TS-1.10	10	HIGHWAY PR-2 INTERSECTION COLECTORA CENTRAL ST.	BAYAMÓN
17	TS-1.11	11	HIGHWAY PR-2 BEFORE WILSON ST.	GUAYNABO
18	TS-1.12	12	HIGHWAY PR-2 BEFORE OPPOSITE SIDE OF ROBLES ST.	GUAYNABO
19	TS-1.13	13	HIGHWAY PR-2 BEFORE DR. RAMÓN MIMOSO ST.	GUAYNABO
20	TS-1.14	14	HIGHWAY PR-2 BEFORE OPPOSITE SIDE OF VICTOR BRAEGGER ST.	GUAYNABO
21	TS-1.15	15	HIGHWAY PR-2 BEFORE B ST.	GUAYNABO
22	TS-1.16	16	HIGHWAY PR-2 AFTER B ST.	GUAYNABO
23	TS-1.17	17	HIGHWAY PR-2 BEFORE OPPOSITE SIDE OF MILLÁN ST.	GUAYNABO
24	TS-1.18	18	MARGINAL FRANKLIN D. ROOSEVELT AVENUE BEFORE SAN PATRICIO AVENUE	GUAYNABO
25	TS-1.19	19	FRANKLIN D. ROOSEVELT AVENUE AFTER SAN PATRICIO AVENUE	GUAYNABO
26	TS-1.20	20	FRANKLIN D. ROOSEVELT AVENUE BEFORE ESCORIAL AVENUE	GUAYNABO
27	TS-1.21	21	FRANKLIN D. ROOSEVELT AVE. OPPOSITE SIDE OF MATADERO ST.	SAN JUAN
28	TS-1.22	22	FRANKLIN D. ROOSEVELT AVENUE BEFORE DE DIEGO AVE.	SAN JUAN
29	TS-1.23	23	FRANKLIN D. ROOSEVELT AVENUE BEFORE CONSTITUCIÓN ST.	SAN JUAN
30	TS-1.24	24	FRANKLIN D. ROOSEVELT AVENUE BEFORE BALEARES ST.	SAN JUAN
31	TS-1.25	25	FRANKLIN D. ROOSEVELT AVENUE AFTER ANDALUCÍA ST.	SAN JUAN
32	TS-1.26	26	FRANKLIN D. ROOSEVELT AVENUE AFTER OPPOSITE SIDE OF NEMESIO CANALES ST.	SAN JUAN
33	TS-1.27	27	FRANKLIN D. ROOSEVELT AVENUE OPPOSITE SIDE OF LAS AMÉRICAS ST.	SAN JUAN
34	TS-1.28	28	FRANKLIN D. ROOSEVELT AVENUE BEFORE SOLDADO RAFAEL LAMAR GUERRA ST.	SAN JUAN
35	TS-1.29	29	FRANKLIN D. ROOSEVELT AVENUE INTERSECTION HOSTOS ST.	SAN JUAN
36	TS-1.30	30	FRANKLIN D. ROOSEVELT AVENUE AFTER FERNANDO 1ST ST.	SAN JUAN
37	TS-1.31	31	ONLY LANE LUIS MUÑOZ RIVERA AVENUE INT. FRANKLIN D. ROOSEVELT AVENUE	SAN JUAN
38	TS-1.32	32	ONLY LANE LUIS MUÑOZ RIVERA AVENUE AFTER BOLIVIA ST.	SAN JUAN
39	TS-1.33	33	ONLY LANE LUIS MUÑOZ RIVERA AVENUE INT. SAN GERMÁN ST.	SAN JUAN
40	TS-1.34	34	ONLY LANE LUIS MUÑOZ RIVERA AVENUE AFTER NEMECIO CANALES ST.	SAN JUAN
			SAGRADO CORAZÓN STATION	

ROUTE 2: FROM SAGRADO CORAZON TO BAYAMON

NUMBER	SHEET	BUS STOP	BUS STOP LOCATION	MUNICIPALITY
			SAGRADO CORAZÓN STATION	
41	TS-2.01	2	ONLY LANE JUAN PONCE DE LEÓN AVENUE BEFORE OPPOSITE SIDE OF SEGARRA ST.	SAN JUAN
42	TS-2.02	3	ONLY LANE JUAN PONCE DE LEÓN AVENUE AFTER OPPOSITE SIDE OF SANTIAGO IGLESIAS ST.	SAN JUAN
43	TS-2.03	4	ONLY LANE JUAN PONCE DE LEÓN AVENUE AFTER OPPOSITE SIDE OF BOLIVIA ST.	SAN JUAN
44	TS-2.04	5	TRANSICENTER FRANKLIN D. ROOSEVELT BEFORE LUIS MUÑOZ RIVERA AVE.	SAN JUAN
45	TS-2.05	6	FRANKLIN D. ROOSEVELT AVENUE AFTER LUIS MUÑOZ RIVERA AVE.	SAN JUAN
46	TS-2.06	7	FRANKLIN D. ROOSEVELT AVENUE AFTER FERNANDO 1RST. ST.	SAN JUAN
47	TS-2.07	8	FRANKLIN D. ROOSEVELT AVENUE BEFORE HOSTOS AVE.	SAN JUAN
48	TS-2.08	9	FRANKLIN D. ROOSEVELT AVENUE AFTER SOLDADO RAFAEL LAMAR GUERRA ST.	SAN JUAN
49	TS-2.09	10	FRANKLIN D. ROOSEVELT AVENUEBEFORE LAS AMÉRICAS ST.	SAN JUAN
50	TS-2.10	11	FRANKLIN D. ROOSEVELT AVENUE INT. NEMESIO CANALES ST.	SAN JUAN
51	TS-2.11	12	FRANKLIN D. ROOSEVELT AVENUE INT. 25 N.E. ST.	SAN JUAN
52	TS-2.12	13	FRANKLIN D. ROOSEVELT AVENUE INT. 19 N.E. ST.	SAN JUAN
53	TS-2.13	14	FRANKLIN D. ROOSEVELT AVENUE BEFORE INT. 7 N.E. ST.	SAN JUAN
54	TS-2.14	15	FRANKLIN D. ROOSEVELT AVENUE BEFORE JOSÉ DE DIEGO AVE.	SAN JUAN
55	TS-2.15	16	FRANKLIN D. ROOSEVELT AVENUE AFTER JOSÉ DE DIEGO AVE.	SAN JUAN
56	TS-2.16	17	FRANKLIN D. ROOSEVELT AVENUE AFTER MATADERO ST.	SAN JUAN
57	TS-2.17	18	FRANKLIN D. ROOSEVELT AVENUE FRONT TRIPLE S BUILDING	SAN JUAN
58	TS-2.18	19	FRANKLIN D. ROOSEVELT AVENUE OPPOSITE SIDE OF PARKSIDE 1 ST.	GUAYNABO
59	TS-2.19	20	FRANKLIN D. ROOSEVELT AVENUE EXIT TO HIGHWAY PR-2	GUAYNABO
60	TS-2.20	21	HIGHWAY PR-2 BEFORE MILLAN ST.	GUAYNABO
61	TS-2.21	22	HIGHWAY PR-2 BEFORE BUCHANAN ST.	GUAYNABO
62	TS-2.22	23	HIGHWAY PR-2 BEFORE LAS FLORES ST.	GUAYNABO
63	TS-2.23	24	HIGHWAY PR-2 AFTER OPPOSITE SIDE OF DR. RAMÓN MIMOSO ST.	GUAYNABO
64	TS-2.24	25	HIGHWAY PR-2 AFTER ROBLES ST.	GUAYNABO
65	TS-2.25	26	HIGHWAY PR-2 BEFORE TINTILLO ST.	GUAYNABO
66	TS-2.26	27	HIGHWAY PR-2 AFTER OPPOSITE SIDE OF COLECTORA CENTRAL MAIN ST.	BAYAMÓN
67	TS-2.27	28	HIGHWAY PR-2 FRONT TOYOTA DEALER	BAYAMÓN
68	TS-2.28	29	HIGHWAY PR-2 BEFORE SAN JOSÉ ST.	BAYAMÓN
69	TS-2.29	30	HIGHWAY PR-2 BEFORE HIGHWAY PR-6	BAYAMÓN
70	TS-2.30	31	HIGHWAY PR-2 AFTER BOBBY CAPÓ AVE.	BAYAMÓN
71	TS-2.31	32	HIGHWAY PR-2 BEFORE ESTEBAN PADILLA ST.	BAYAMÓN
72	TS-2.32	33	HIGHWAY PR-2 BEFORE A ST.	BAYAMÓN
73	TS-2.33	34	HIGHWAY PR-2 BEFORE RAMÓN LUIS RIVERA AVE.	BAYAMÓN
74	TS-2.34	35	COMERÍO AVENUE AFTER M. ROSA ST.	BAYAMÓN
75	TS-2.35	36	COMERÍO AVENUE AFTER BETANCES ST.	BAYAMÓN
76	TS-2.36	37	BOBBY CAPÓ AVENUE BEFORE DEGETAU ST.	BAYAMÓN
			BAYAMÓN TERMINAL	

Yo, Hernan E. Lopez Baez, ingeniero licencia 18134, certifico que soy el profesional que conceptual, diseñó y/o preparó estos planos y las especificaciones correspondientes. Además, certifico que entiendo que dichos planos y especificaciones cumplen con las disposiciones aplicables del Reglamento Conjunto y las disposiciones aplicables de los Reglamentos y Cargas de Construcción Vigentes de las Agencias, Juntas, Reglamentadoras o Corporaciones Públicas con jurisdicción. Reconozco que incurriré en declaración falsa o falificación de los hechos que se hace constar por desconocimiento o por negligencia en una de mis agencias o empleados, o por otras personas con mi conocimiento, me hacen responsable de cualquier acción judicial y disciplinaria por la OGPe.

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LIC. 18134PE

BUS STOP SIGNAGE PROJECT - PHASE 1
INDEX SHEET: ROUTE 2 | BUS STOPS

FROM SAGRADO CORAZÓN TO BAYAMON
MUNICIPALITIES OF SAN JUAN, GUAYNABO AND BAYAMON

AUTORIDAD METROPOLITANA DE AUTOBUSES

METROPOLITAN BUS AUTHORITY
BOX 195349
SAN JUAN, PR 00919-5349

REVISION
DATE JUNE 2022
CHECKED BY BEV / DRAW BY ABZ
DWG. TYPE GR-1.01 / SHEET NO. 2 OF 92

ROUTE 2 | BUS STOPS

GENERAL NOTES:

1. NO WORK OTHER THAN MOBILIZATION, TRAFFIC CONTROL, AND PROJECT FIELD OFFICE, SHALL BE PERFORMED UNTIL THE PROGRESS SCHEDULE IS APPROVED BY THE ENGINEER.

2. ALL TEMPORARY CONTROL DEVICES SHALL COMPLY WITH THE SUPPLEMENTAL SPECIFICATION NUMBER 639 - "MAINTENANCE AND PROTECTION OF TRAFFIC" OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, 2005 EDITION.

3. EQUIPMENT, MATERIALS AND OTHER DEVICES USED FOR CONSTRUCTION SHALL BE REMOVED FROM THE ROADWAY AFTER WORK HOURS AND SHALL BE STAGED A MINIMUM OF 10 METERS FROM THE TRAVEL WAY.

4. THE DRUM SPACING SHALL BE 5 METERS.

5. ANY ALTERATION TO THE SCHEDULE THAT MAY IMPROVE TRAFFIC OPERATIONS WITHIN THE CONSTRUCTION AREA, IN ACCORDANCE WITH THE CURRENT MUTCD AND WITH NO ADDITIONAL COST TO THE AUTHORITY, SHALL BE SUBMITTED TO THE ENGINEER AT LEAST TWENTY ONE (21) CALENDAR DAYS IN ADVANCE TO THE PROPOSED DATE OF IMPLEMENTATION FOR REVIEW. IF THE PROPOSED ALTERATION IS APPROVED IT SHALL BE IMPLEMENTED AS DIRECTED BY THE ENGINEER.

6. THE CONTRACTOR CAN PERFORM, WITH THE APPROVAL OF THE ENGINEER, SEVERAL SIMULTANEOUS ACTIVITIES WITHIN A STAGE, AND AS PERMITTED BY THE CONTRACT PROPOSAL QUANTITIES ON THE TRAFFIC CONTROL ITEMS.

7. THE CONTRACTOR SHALL COORDINATE WITH THE ENGINEER THE INSTALLATION OF TEMPORARY TRAFFIC CONTROL DEVICES FOR EACH PHASE AT LEAST FOURTEEN (14) CALENDAR DAYS IN ADVANCE FOR THE RELEASE OF PUBLIC NOTICE. THE CONTRACTOR SHALL NOT COMMENCE ANY OF THE CONSTRUCTION PHASES WITHOUT A PUBLIC NOTICE IS ISSUED OR WITHOUT DIRECT CONSENT FROM THE ENGINEER.

8. THE CONTRACTOR SHALL FURNISH TEMPORARY TRAFFIC CONTROL DEVICES THAT MEET NCHRP 350 CRITERIA FOR THE APPLICABLE CRASHWORTHINESS STANDARD.

10. ALL TRAFFIC CONTROL SIGNS DETERMINED BY THE ENGINEER TO BE UNNECESSARY FOR THE APPLICABLE CONSTRUCTION OPERATION SHALL BE IMMEDIATELY COVERED IN ITS ENTIRETY WITH NON ABRASIVE MATERIAL AND SHALL BE INSPECTED DURING DAY AND NIGHT TIME TO ENSURE THAT THE SIGN IS NOT READABLE. THIS WORK IS A SUBSIDIARY OBLIGATION OF THE CONTRACT UNDER EXISTING PAY ITEMS.

11. DURING THE CONSTRUCTION OPERATIONS, THE CONTRACTOR SHALL TAKE ALL THE NECESSARY PRECAUTIONS AND MEASURES TO AVOID FALLING DEBRIS, TOOLS, EQUIPMENT OR ANY OTHER MATERIALS INTERFERE OR IMPACT THE MOTORING PUBLIC IN THE ROADWAY. ALL THE MATERIALS, LABOR EQUIPMENT, AND WORK NECESSARY FOR IMPLEMENTING THIS REQUIREMENT IS SUBSIDIARY OBLIGATION OF THE CONTRACT UNDER EXISTING PAY ITEMS.

12. THE CONTRACTOR SHALL MANTAIN ACCESS AT ALL TIMES TO ADJACENT PROPERTIES DURING CONSTRUCTION. THIS WORK WILL REQUIRE COORDINATION WITH BUSINESSESS AND PRIVATE OWNERS. ALL THE MATERIALS, LABOR, EQUIPMENT, AND WORK NECESSARY FOR IMPLEMENTING THIS REQUIREMENT IS SUBSIDIARY OBLIGATION OF THE CONTRACT UNDER EXISTING PAY ITEMS.

13. TEMPORARY CONCRETE BARRIER SHOULD HAVE AN OFF SET END SECTION AS APPROVED BY THE ENGINEER.

14. NO EXCAVATION AND/OR PAVEMENT DROP-OFF SHAL REMAIN OPEN WITHIN THE TRAVELED WAY WHEN THE CONTRACTOR OR ITS PERSONNEL IS NOT WORKING AND PHYSICALLY PRESENT AT THE WORK SITE.

CONSTRUCTION SCHEDULE:

FOR THE CONSTRUCTION OPERATIONS FOR THE IMPROVEMENTS AND SIGNAGE AT THE BUS-STOPS OF THE PRMBA FROM SAGRADO CORAZON TERMINAL TO BAYAMÓN TERMINAL, INCLUDING HIGHWAY PR-5855, PR-167, PR-2, PR-23, PR-25 AND PR-1 THE MUNICIPALITIES OF BAYAMON, GUAYNABO AND SAN JUAN. THE FOLLOWING CONSTRUCTION SCHEDULE AND BASIC SAFETY PRINCIPLES SHALL BE FOLLOWED IN ORDER TO MANTAIN TRAFFIC FLOW WITH THE LEAST POSSIBLE INTERFERENCE FROM THE WORK. ANY ALTERATIONS TO THIS SCHEDULE, SHALL BE SUBMITTED IN WRITING TO THE EXECUTIVE DIRECTOR FOR FINAL APPROVAL PRIOR TO EXECUTION.

TYPICAL DETAILS ARE SUBMITTED FOR THE TEMPORARY TRAFFIC CONTROL ACTIVITIES FOR A VARIETY OF SITUATIONS COMMONLY ENCOUNTERED. IT IS REQUIRED FROM THE ENGINEER TO ADJUST THESE GUIDELINES TO FIELD CONDITIONS. ALSO A MANTENANCE OF TRAFFIC IS INCLUDED FOR EACH ONE OF THE RAMPS THAT REQUIRE A PARCIAL CLOSURE DURING THE PAVEMENT AND BRIDGE DECK REHABILITATION.

TRAFFIC FLOW:

1. THE TRAFFIC FLOW WILL BE FLOWING AS INDICATED ON THE TYPICAL DETAIL USED FOR THE CONSTRUCTION AREA.

2. ALL WORKS FOR THIS PROJECT, EXCEPT THE ACTIVITIES THAT REQUIRE THE FULL DEPTH EXCAVATION FOR THE REMOVAL OF THE FOUNDATION OF THE TRAFFIC SIGNS OR THE CLOSURE OF A TRAFFIC LANE FOR AT LEAST ONE DAY, SHALL BE PERFORMED DURING THE NIGHT, FROM MONDAY TO THURSDAY BETWEEN 8:30 PM TILL 4:30 AM. ALL TRAVELED LANES SHALL BE OPENED TO THE TRAFFIC DURING NON-WORKING HOUR.

3. ALL WORKS FOR THIS PROJECT, EXCEPT THE ACTIVITIES THAT REQUIRE THE FULL DEPTH EXCAVATION FOR THE REMOVAL OF THE FOUNDATION OF THE TRAFFIC SIGNS OR PARTIAL REMOVAL OF THE FOUNDATION OF THE TRAFFIC SIGNS OR THE CLOSURE OF A TRAFFIC LANE FOR MORE THAN ONE DAY, SHALL BE PERFORMED DURING WEEKENDS. FROM FRIDAY AT 9:30 PM TO MONDAY AT 4:30 AM.

5. ALL PROPOSED ACTIVITIES FOR THE PROJECT, WHICH AFFECTS THE NORMAL FLOW OF THE BUSES OWN BY THE PRMBA, SHALL BE COORDINATE WITH THE PRMBA PERSONNEL.

6. ALL CONSTRUCTION SIGNS SHALL BE REMOVED AFTER CONSTRUCTION DAY ENDS.

PHASES:

1. INSTALL TEMPORARY SAFETY DEVICES AND CONSTRUCTION SIGNS AS INDICATED ON PLANS.

2. THE INSTALLATION OPERATIONS SHALL BE PERFORMED WITHOUT THE MINIMUM INTERFERENCE TO TRAFFIC FLOW.

3. TRAFFIC MOVEMENT ON EXISTING ROADWAY.

4. REMOVAL OF EXISTING SIGNS AND POSTS IN THE BUS-STOPS.

5. INSTALL THE BUS-STOPS SIGNS, POSTS AND SITE IMPROVEMENTS.

6. REMOVE ALL THE CONSTRUCTION SIGNS AND SAFETY DEVICES AT THE COMPLETION OF THE WORK DAYS.

SIGNS COLORS		
SIGN CODE	BACKGROUND	LEGEND/BORDER
W21-4, G20-2(a), W20-7A, W-20-8	FLUORESCENT ORANGE	NON REFLECTIVE BLACK
R1-1	REFLECTIVE RED	REFLECTIVE WHITE

Yo, Hernan E. Lopez Baez, ingeniero licencia 18184, certifico que soy el profesional que confeccionó, diseñó y preparó estos planos y las especificaciones completamente. También certifico que estando que dichos planos y especificaciones cumplen con las disposiciones aplicables del Reglamento Conjunto y las disposiciones aplicables de los Reglamentos y Código de Construcción vigentes de las Agencias, Juntas Reglamentadoras o Corporaciones Públicas con jurisdicción. Reconozco que cualquier deficiencia leve o Mayúscula de los trabajos que se haya producido por desconocimiento o por negligencia, ya sea por mí, mis agentes o empleados, o por otras personas con mi consentimiento me hacen responsable de cualquier acción judicial y disciplinaria por la OGPe.

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INGENIERO LICENCIADO
PUERTO RICO

HERNAN E. LOPEZ BAEZ, PE MEM
LIC. 18184E

BUS STOP SIGNAGE PROJECT - PHASE 1
ROUTE 2
MAINTENACE OF TRAFFIC: NOTES AND DETAILS

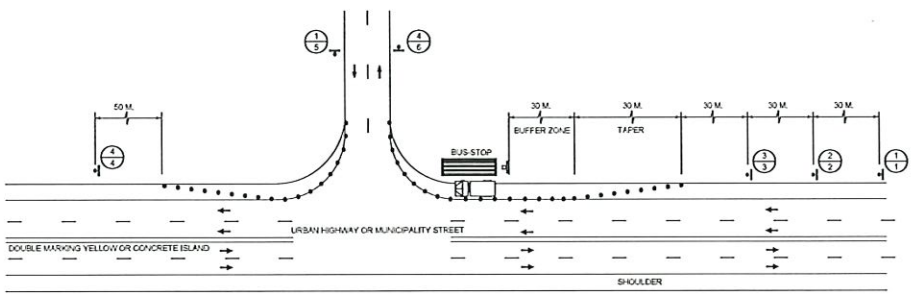
FROM SAGRADO CORAZÓN TO BAYAMON
MUNICIPALITIES OF SAN JUAN, GUAYNABO AND BAYAMON

AUTORIDAD METROPOLITANA DE AUTOBUSES

METROPOLITAN BUS AUTHORITY
BOX 195349
SAN JUAN, PR 00919-5349

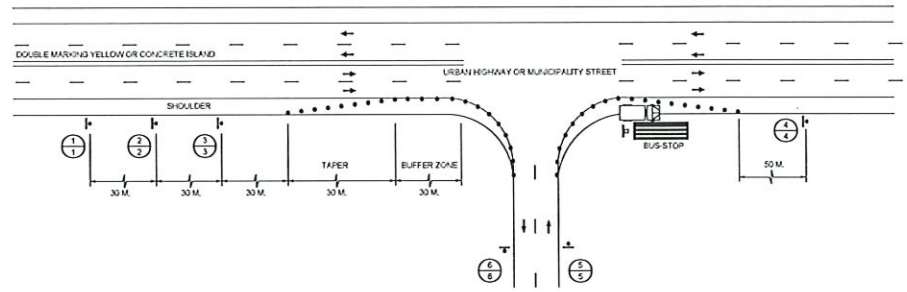
REVISION	
DATE JUNE 2022	
CHECKED BY BEV	DRAW BY. ABZ
DWG. TYPE MOT-1.01	SHEET NO. 3 OF 92

ROUTE 2 | BUS STOPS

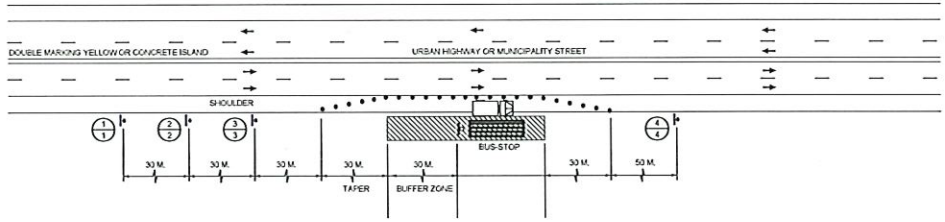


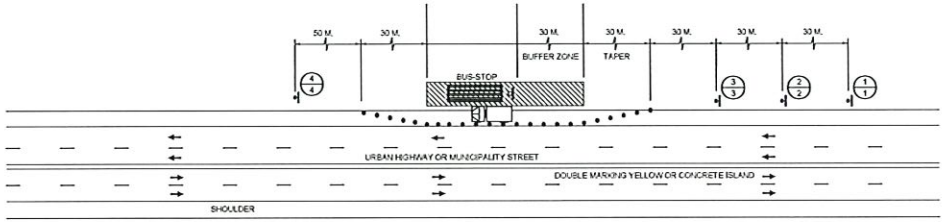
DETAIL - A

DETAIL - B



DETAIL - D





DETAIL - C

LEGEND:

- TRAFFIC FLOW
- TEMPORARY TRAFFIC SIGN (MOUNTED ON WOOD PORTABLE SUPPORT)
- TEMPORARY SIGN IDENTIFICATION
  X = CODE NUMBER
  Y = LOCATION NUMBER
- RETROREFLECTIVE PLASTIC DRUMS (3.00 MTS. SPACING) SEE MPT 1, PRHTA STANDARD DRAWINGS
- WORKING TRUCK

Yo, Hernan E. Lopez Baez, ingeniero licencia 18154, certifico que soy el profesional que confeccionó, diseñó y preparó estos planos y las especificaciones aquí mostradas. También certifico que estimo que dichos planos y especificaciones cumplen con las disposiciones aplicables del Reglamento Conjunto y las disposiciones aplicables de los Reglamentos y Código de Construcción vigentes de las Agencias, Juntas Reglamentadoras o Corporaciones Públicas con jurisdicción. Reconozco que cualquier desviación sobre la información de los textos que se hayan producido por desconocimiento o por negligencia ya sea por mí, mis agentes o empleados, o por otras personas con mi consentimiento me hacen responsable de cualquier acción judicial y disciplinaria por la OGPe.

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BUS STOP SIGNAGE PROJECT - PHASE 1
ROUTE 2
MAINTENACE OF TRAFFIC DETAILS

FROM SAGRADO CORAZÓN TO BAYAMON
MUNICIPALITIES OF SAN JUAN, GUAYNABO AND BAYAMON

AUTORIDAD METROPOLITANA DE AUTOBUSES

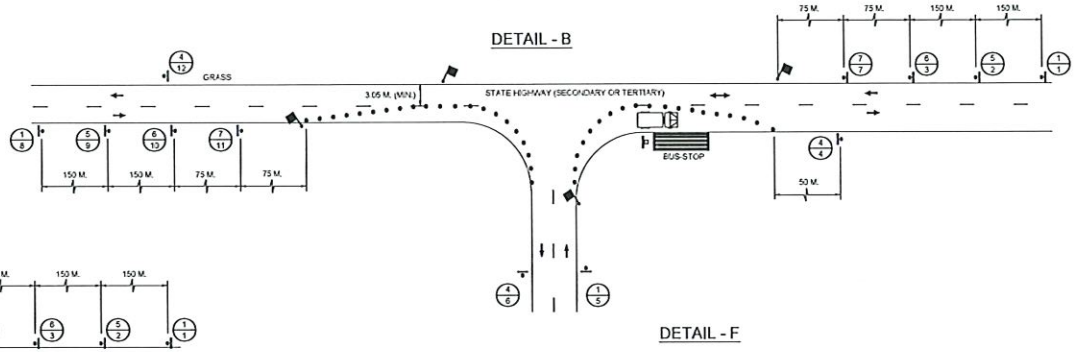
METROPOLITAN BUS AUTHORITY
BOX 195349
SAN JUAN, PR 00919-5349

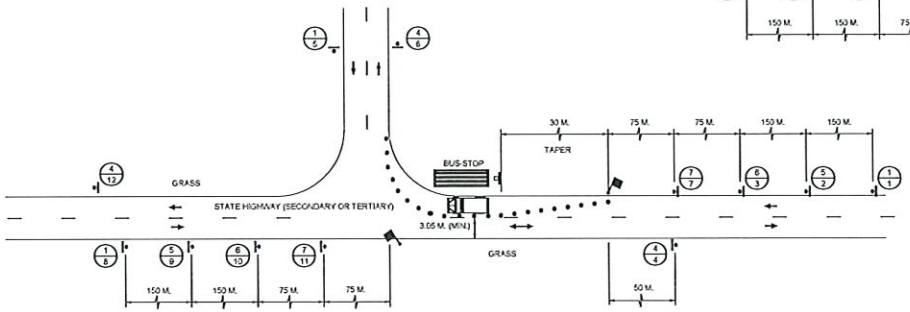
REVISION	
DATE JUNE 2022	
CHECKED BY BEV	DRAW BY ABZ
DWG. TYPE MOT-1.02	SHEET NO. 4 OF 92

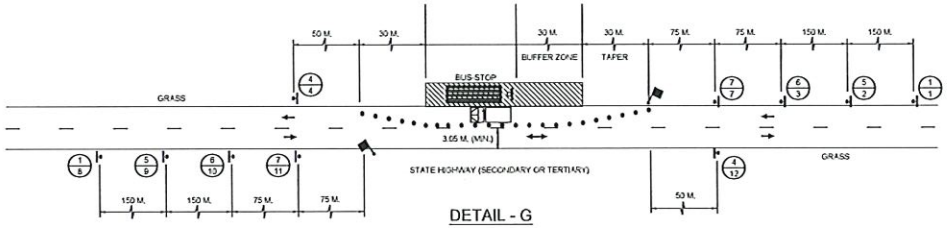
ROUTE 2 | BUS STOPS

LEGEND:

- TRAFFIC FLOW
- TEMPORARY TRAFFIC SIGN (MOUNTED ON WOOD PORTABLE SUPPORT)
- TEMPORARY SIGN IDENTIFICATION
  X = CODE NUMBER
  Y = LOCATION NUMBER
- RETROREFLECTIVE PLASTIC DRUMS (3.00 MTS. SPACING) SEE MPT 1, PRHTA STANDARD DRAWINGS
- WORKING TRUCK
- FLAG PERSON WITH RADIO COMMUNICATION SYSTEM SEE MUTCD SECTION 6E.07: FLAGGER PROCEDURES







Yo, Hernan E. Lopez Baez, ingeniero, licencia 18194, certifico que soy el profesional que certificamos, diseño y preparó estos planos y las especificaciones cumplen mentalmente. También certifico que entiendo que dichos planos y especificaciones cumplen con las disposiciones aplicables del Reglamento Conjunto y las disposiciones aplicables de los Reglamentos y Código de Construcción vigentes de las Agencias, Juntas Reglamentarias o Corporaciones Públicas con jurisdicción. Reconozco que cualquier declaración falsa o falsificación de los hechos que se haya producido por desconocimiento o por negligencia, ya sea por mi, mis agentes o empleados, o por otras personas con mi conocimiento me hacen responsable de cualquier acción judicial y disciplinaria por la OGPe.

ENZO Engineering, psc.
PO Box 3040, PMB 427
Guraboo, PR 00778
TEL. (787) 649-6200 | LOPEZBAEZ@ENZOGROUPLLC.ORG

HERNAN E. LOPEZ BAEZ, PE MEM
LIC. 18194PE

BUS STOP SIGNAGE PROJECT - PHASE 1
ROUTE 2
MAINTENACE OF TRAFFIC DETAILS

FROM SAGRADO CORAZÓN TO BAYAMON
MUNICIPALITIES OF SAN JUAN, GUAYNABO AND BAYAMON

AUTORIDAD METROPOLITANA DE AUTOBUSES

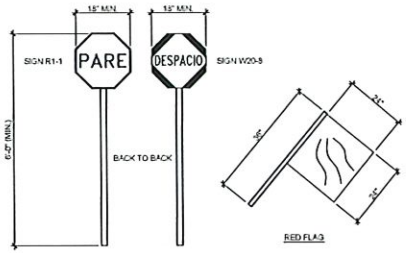
METROPOLITAN BUS AUTHORITY
BOX 195349
SAN JUAN, PR 00919-5349

REVISION	
DATE: JUNE 2022	
CHECKED BY: BEV	DRAWN BY: ABZ
DWG. TYPE: MOT-1.03	SHEET NO. 5 OF 92

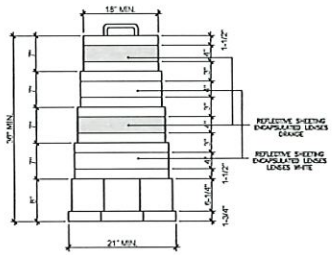
ROUTE 2 | BUS STOPS

TEMPORARY SIGN DATA

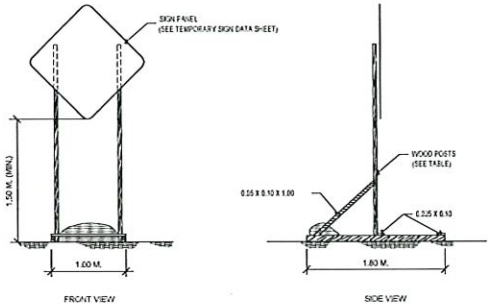
CODE NUMBER	LOCATION NUMBER	SIGN CODE	LEGEND	SIZE OF SIGN PANELS	OVERHEAD STRUCTURE TYPE	REFERENCE MANUAL	TOTAL ITEM
1	1, 5	W21-4	TRABAJO EN CARRETERA ADELANTE	36" X 36"	N/A	SEE MUTCD 2009 EDITION	1
2	2	W21-4	TRABAJO EN CARRETERA 60 M.	36" x 36"	N/A	SEE MUTCD 2009 EDITION	1
3	3	W21-4	TRABAJO EN CARRETERA 30 M.	36" x 36"	N/A	SEE MUTCD 2009 EDITION	1
4	4, 6	G5-3(a)	TERMINA TRABAJO EN CARRETERA	36" x 24"	N/A	SEE MUTCD 2009 EDITION	2
5	2, 9	W21-4	TRABAJO EN CARRETERA 300 M.	36" x 36"	N/A	SEE MUTCD 2009 EDITION	2
6	3, 10	W21-4	TRABAJO EN CARRETERA 150 M.	36" x 36"	N/A	SEE MUTCD 2009 EDITION	2
7	7, 11	W20-7A		30" x 30"	N/A	SEE MUTCD 2009 EDITION	1
8	STOP/SLOW PADDLE	R1-1 W20-8	PARE • DESPACIO BACK TO BACK	18" x 18"	N/A	LIGHT WEIGHT PADDLE	1



HAND-SIGNALING DEVICES BY FLAGGERS
NOT TO SCALE



REFLECTORIZED PLASTIC DRUM



TEMPORARY WOOD PORTABLE SUPPORT
FOR CONSTRUCTION SIGNS
NOT TO SCALE

TEMPORARY WOOD PORTABLE SUPPORT TABLE

WOOD POST SIZES		MAXIMUM SIGN PANEL AREA (SQUARE METERS)	
MT. X MT.	IN. X IN.	1 POST	2 POSTS
0.10 X 0.10	4 X 4	1.00	2.00
0.10 X 0.15	4 X 6	N/A	3.00
0.15 X 0.15	6 X 6	N/A	4.50
0.15 X 0.20	6 X 8	N/A	8.00

Yo, Hernan E. Lopez Baez, Ingeniero licencia 18154, certifico que soy el profesional que confeccionó, diseñó y preparó estos planos y las especificaciones complementarias. También certifico que entiendo que dichos planos y especificaciones cumplen con las disposiciones aplicables del Reglamento Conjunto y las disposiciones aplicables de los Reglamentos y Código de Construcción Vigentes de las Agencias, Juntas Reglamentadoras o Corporaciones Públicas con jurisdicción. Renuncio que cualquier deficiencia falta o Malfuncion de los hechos que se haya incurrido por desconocimiento o por negligencia ya sea por mi, mis agentes o empleados, o por otras personas con mi conocimiento me hacen responsable de cualquier acción judicial y disciplinaria por la OGPe.

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HERNAN E. LOPEZ BAEZ, PE MEM
LIC. 18154PE

BUS STOP SIGNAGE PROJECT - PHASE 1
ROUTE 2
MAINTENACE OF TRAFFIC DETAILS

FROM SAGRADO CORAZÓN TO BAYAMON
MUNICIPALITIES OF SAN JUAN, GUAYNABO AND BAYAMON

AUTORIDAD METROPOLITANA DE AUTOBUSES

METROPOLITAN BUS AUTHORITY
BOX 195349
SAN JUAN, PR 00919-5349

REVISION	
DATE JUNE 2022	
CHECKED BY BEV	DRAW BY. ABZ
DWG. TYPE MOT-1.04	SHEET NO. 6 OF 92

ROUTE 2 | BUS STOP #1

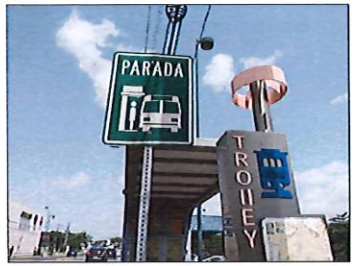
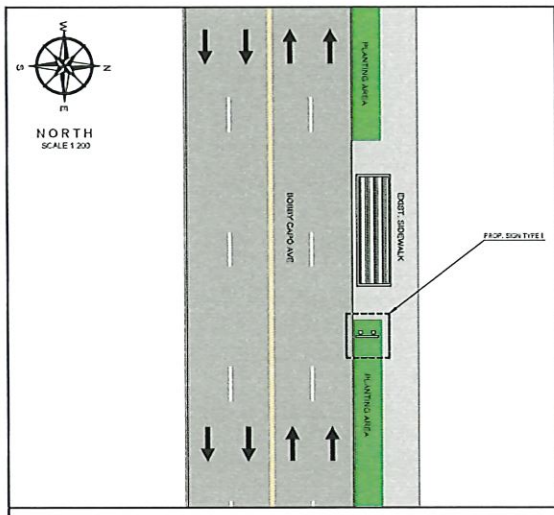


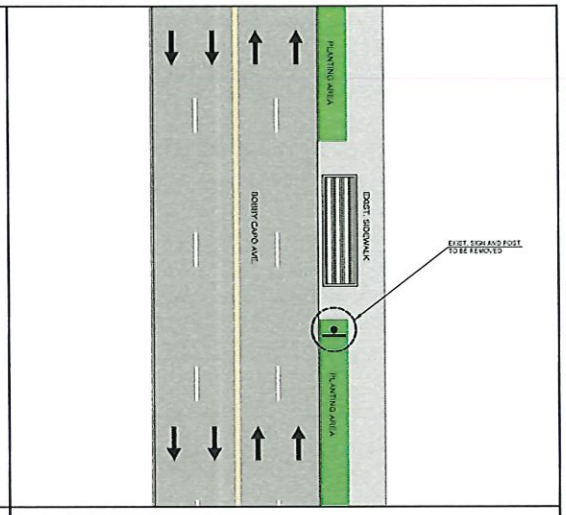
PHOTO - 1

PHOTO - 2

PHOTO - 3: PROPOSED SIGN LOCATION

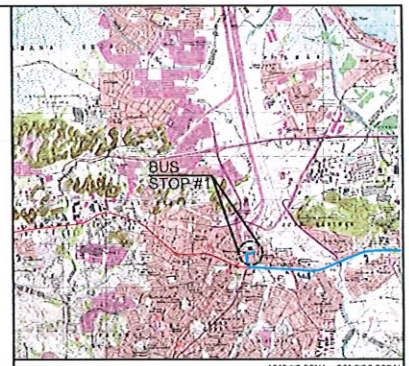


PROPOSED IMPROVEMENTS - ROUTE 2 | B.S.#1



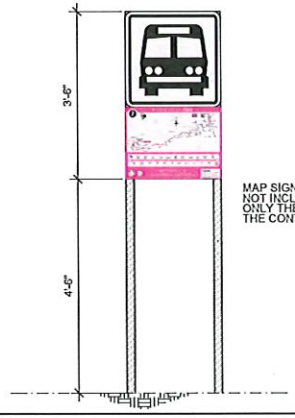
EXIST. CONDITIONS - ROUTE 2 | B.S.#1

2.5 0 5 15
SCALE 1:200



LOCATION PLAN
SCALE 1:20,000
18°24'6.55"N , 66° 9'26.23"W

AERIAL PHOTO
SCALE 1:1,000
GOOGLE EARTH
VERSION: 7.3.4.8642 PRO



MAP SIGN FABRICATION NOT INCLUDED IN THIS CONTRACT ONLY THE INSTALLATION BY THE CONTRACTOR

PROPOSED SIGN TYPE I

NOT TO SCALE

LEGEND:

- PROP. SIGN TYPE I
- PROP. SIGN TYPE II
- PROP. SIGN TYPE III
- PROP. SIGN TYPE IV
- EXIST. SIGN
- PRMBA EXCLUSIVE LANE (AMA LANE)
- TRAFFIC DIRECTION

NOTES:

1. THE CONTRACTOR SHALL OBTAIN THE EXCAVATION, DEMOLITION AND PIPES PERMITTING FROM THE DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS PRIOR THE BEGINNING OF EACH WORK SITE DURING THE PROJECT.
2. THE CONTRACTOR SHALL CONSULT THE PROJECT ENGINEER BEFORE THE INSTALLATION OF EACH STRUCTURE.
3. THE CONTRACTOR SHALL REMOVED THE EXISTING SIGN AND TRAFFIC POST. THESE STRUCTURE SHALL BE DELIVER TO THE PRMBA PERSONNEL.
4. THE CONTRACTOR SHALL REMOVE THE EXISTING POST FOUNDATION.
5. THE CONTRACTOR SHALL INSTALL THE PROPOSED SIGN IN FRONT OF WOODEN POLE, REFER TO PHOTO #3.
6. THE MINIMUM DISTANCE OF THE LATERAL LOCATION OF THE EDGE OF THE SIGN TO THE EXISTING ROAD CURB SHALL BE 0.60 M.

Yo, Hernan E. Lopez Baez, Ingeniero, licencia 18154, certifico que soy el profesional que confeccionó, diseñó y preparó estos planos y las especificaciones correspondientes. También certifico que entiendo que dichos planos y especificaciones cumplen con las disposiciones aplicables del Reglamento Conjunto y las disposiciones aplicables de los Reglamentos y Código de Construcción Vigentes de las Agencias, Juntas Reglamentadoras o Corporaciones Públicas con jurisdicción. Reconozco que cualquier desviación leve o Modificación de los hechos que se han presentado por desconocimiento o por negligencia ya sea por mi, mis agentes o empleados, y por otras personas con mi conocimiento me hacen responsable de cualquier acción judicial y disciplinaria por la OGPe.

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HERNAN E. LOPEZ BAEZ, PE MEM
LIC. 18154PE

BUS STOP SIGNAGE PROJECT - PHASE 1
ROUTE 2 | BUS STOP #1

FROM BAYAMÓN TO SAGRADO CORAZÓN
BOBBY CAPÓ AVE. BEFORE COMERÍO AVE.
MUNICIPALITY OF BAYAMÓN

AUTORIDAD METROPOLITANA DE AUTOBUSES

METROPOLITAN BUS AUTHORITY
BOX 195349
SAN JUAN, PR 00919-5349

REVISION	
DATE JUNE 2022	
CHECKED BY BEV	DRAWN BY ABZ
DWG. TYPE TS-1.01	SHEET NO. 7 OF 92

ROUTE 2 | BUS STOP #2

PHOTO - 1

PHOTO - 2

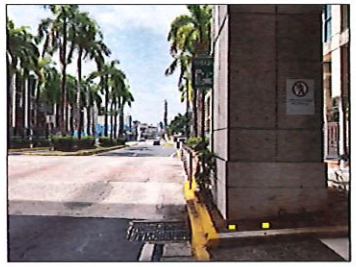
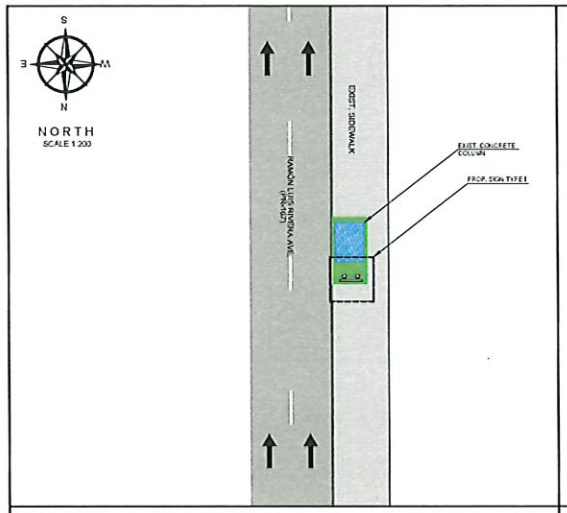
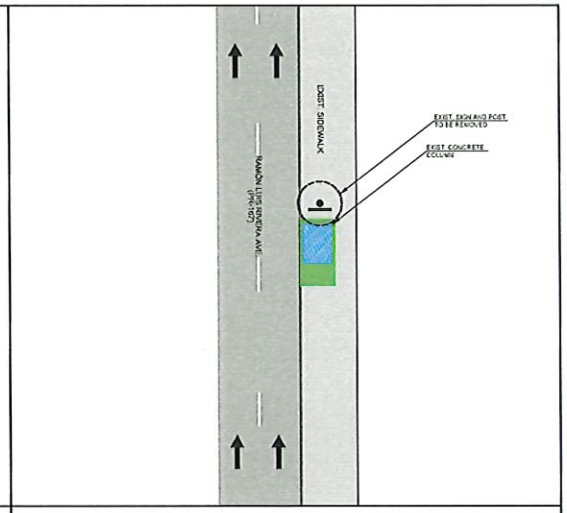


PHOTO - 3: PROPOSED SIGN LOCATION



PROPOSED IMPROVEMENTS - ROUTE 2 | B.S.#2

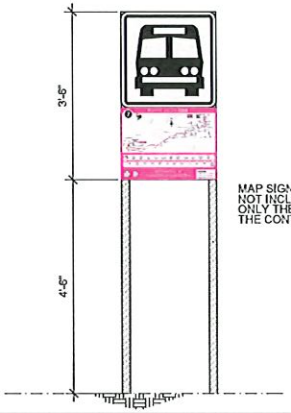


EXIST. CONDITIONS - ROUTE 2 | B.S.#2

2.5 0 5 15
SCALE 1:200

LOCATION PLAN
SCALE 1:20,000
18°24'1.15"N , 66° 9'31.73"W

AERIAL PHOTO
SCALE 1:1,000
GOOGLE EARTH
VERSION: 7.3.4.8642 PRO



MAP SIGN FABRICATION NOT INCLUDED IN THIS CONTRACT ONLY THE INSTALLATION BY THE CONTRACTOR

PROPOSED SIGN TYPE I

NOT TO SCALE

LEGEND:

- PROP. SIGN TYPE I
- PROP. SIGN TYPE II
- PROP. SIGN TYPE III
- PROP. SIGN TYPE IV
- EXIST. SIGN
- FRIMBA EXCLUSIVE LANE (AMA LANE)
- TRAFFIC DIRECTION

NOTES:

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3. THE CONTRACTOR SHALL REMOVES THE EXISTING SIGN AND TRAFFIC POST, THESE STRUCTURE SHALL BE DELIVER TO THE FRIMBA PERSONNEL.
4. THE CONTRACTOR SHALL REMOVE THE EXISTING POST FOUNDATION.
5. THE CONTRACTOR SHALL INSTALL THE PROPOSED SIGN IN PLANTING IN FRONT OF THE CONCRETE COLUMN. REFER TO PHOTO #3.
6. THE MINIMUM DISTANCE OF THE LATERAL LOCATION OF THE EDGE OF THE SIGN TO THE EXISTING ROAD DURS SHALL BE 0.61 M.

Yo, Hernan E. López Báez, ingeniero, licencia 18154, certifico que soy el profesional que confeccionó, diseñó y preparó estos planos y las especificaciones complementarias. También certifico que entiendo que dichos planos y especificaciones cumplen con las disposiciones aplicables del Reglamento Conjunto y las disposiciones aplicables de los Reglamentos y Código de Construcción vigentes de las Agencias, Juntas Reglamentarias o Corporaciones Públicas con jurisdicción. Reconozco que cualquier declaración falsa o falsificación de los hechos que se haga pretendiendo por desconocimiento o por negligencia que sea por mí, mis agentes o empleados, o por otras personas con mi consentimiento me hacen responsable de cualquier acción judicial y disciplinaria por la OGPe.

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HERNAN E. LOPEZ BAEZ
INGENIERO LICENCIADO
PUERTO RICO
HERNAN E. LOPEZ BAEZ, PE MEM
LIC. 18154PE

BUS STOP SIGNAGE PROJECT - PHASE 1
ROUTE 2 | BUS STOP #2

FROM BAYAMÓN TO SAGRADO CORAZÓN
RAMÓN LUIS RIVERA AVENUE BEFORE BETANCES ST.
MUNICIPALITY OF BAYAMÓN

AUTORIDAD METROPOLITANA DE AUTOBUSES

METROPOLITAN BUS AUTHORITY
BOX 195349
SAN JUAN, PR 00919-5349

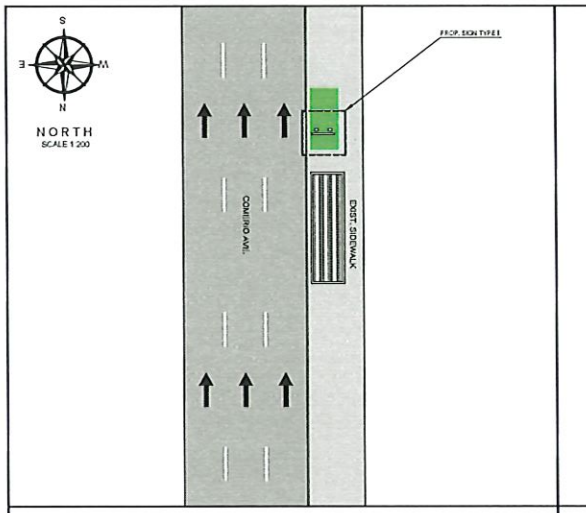
REVISION	
DATE: JUNE 2022	
CHECKED BY: BEV	DRAWN BY: ABZ
DWG. TYPE: TS-1.02	SHEET NO. 8 OF 92

ROUTE 2 | BUS STOP #3

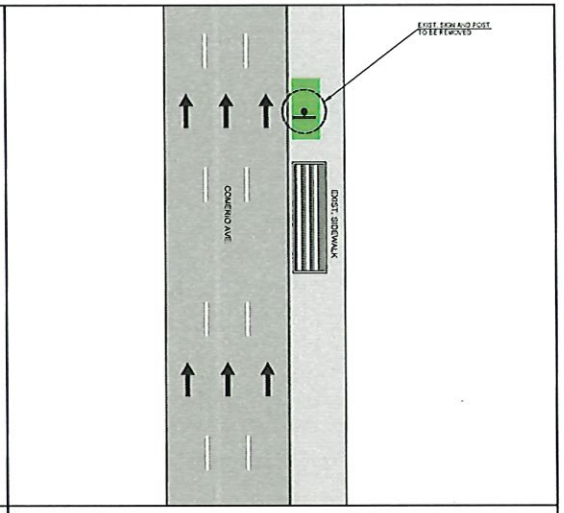
PHOTO - 1

PHOTO - 2

PHOTO - 3: PROPOSED SIGN LOCATION

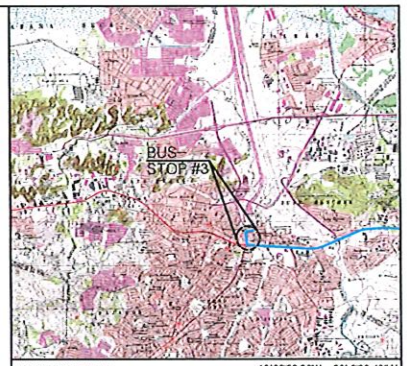


PROPOSED IMPROVEMENTS - ROUTE 2 | B.S.#3

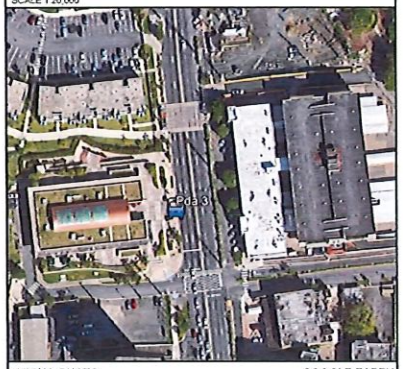


EXIST. CONDITIONS - ROUTE 2 | B.S.#3

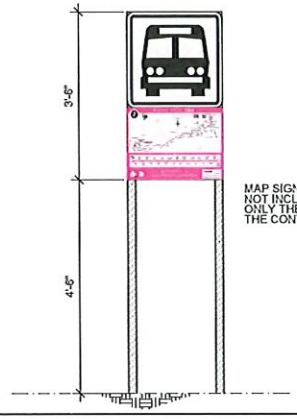
2.5 0 5 15
SCALE 1:200



LOCATION PLAN
SCALE 1:20,000
18°23'50.26"N , 66° 9'29.48"W



AERIAL PHOTO
SCALE 1:1,000
GOOGLE EARTH
VERSION: 7.3.4.8642 PRO



MAP SIGN FABRICATION NOT INCLUDED IN THIS CONTRACT ONLY THE INSTALLATION BY THE CONTRACTOR

PROPOSED SIGN TYPE I

NOT TO SCALE

LEGEND:

- PROP. SIGN TYPE I
- PROP. SIGN TYPE II
- PROP. SIGN TYPE III
- PROP. SIGN TYPE IV
- EXIST. SIGN
- FRIMBA EXCLUSIVE LANE (AMA LANE)
- TRAFFIC DIRECTION

NOTES:

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4. THE CONTRACTOR SHALL REMOVE THE EXISTING POST FOUNDATION.
5. THE CONTRACTOR SHALL INSTALL THE PROPOSED SIGN IN THE PLANTING AREA, REFER TO PHOTO #3.
6. THE MINIMUM DISTANCE OF THE LATERAL LOCATION OF THE EDGE OF THE SIGN TO THE EXISTING ROAD CURB SHALL BE 0.60 M.

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HERNAN E. LOPEZ BAEZ, PE MEM
LIC. 18154PE

BUS STOP SIGNAGE PROJECT - PHASE 1
ROUTE 2 | BUS STOP #3

FROM BAYAMÓN TO SAGRADO CORAZÓN
COMERÍO AVENUE BEFORE OPPOSITE SIDE MANUEL ROSSI ST.
MUNICIPALITY OF BAYAMÓN

AUTORIDAD METROPOLITANA DE AUTOBUSES

METROPOLITAN BUS AUTHORITY
BOX 195349
SAN JUAN, PR 00919-5349

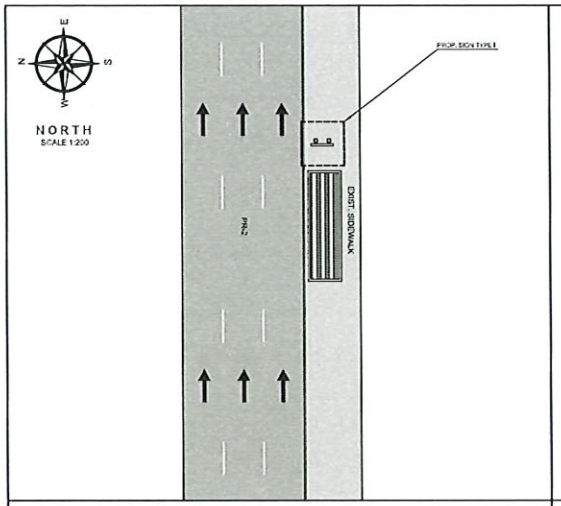
REVISION	
DATE: JUNE 2022	
CHECKED BY: BEV	DRAW BY: ABZ
DWG. TYPE: TS-1.03	SHEET NO. 9 OF 92

ROUTE 2 | BUS STOP #4

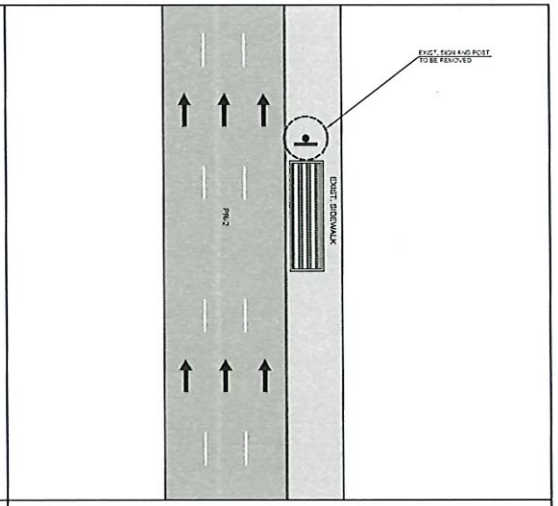
PHOTO - 1

PHOTO - 2

PHOTO - 3: PROPOSED SIGN LOCATION



PROPOSED IMPROVEMENTS - ROUTE 2 | B.S.#4



EXIST. CONDITIONS - ROUTE 2 | B.S.#4

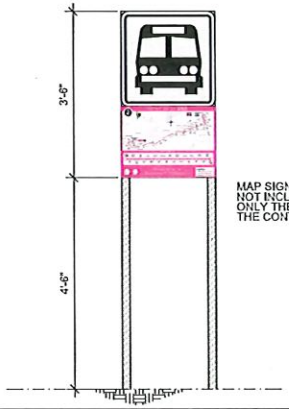
2.5 0 5 15
SCALE 1:200

LOCATION PLAN
SCALE 1:20,000

18°23'45.43"N , 65° 9'20.45"W

AERIAL PHOTO
SCALE 1:1,000

GOOGLE EARTH
VERSION: 7.3.4.8542 PRO



MAP SIGN FABRICATION NOT INCLUDED IN THIS CONTRACT ONLY THE INSTALLATION BY THE CONTRACTOR

PROPOSED SIGN TYPE I

NOT TO SCALE

LEGEND:

- PROP. SIGN TYPE I
- PROP. SIGN TYPE II
- PROP. SIGN TYPE III
- PROP. SIGN TYPE IV
- EXIST. SIGN
- PRIMA EXCLUSIVE LANE (AMA LANE)
- TRAFFIC DIRECTION

NOTES:

1. THE CONTRACTOR SHALL OBTAIN THE EXCAVATION, DEMOLITION AND PIPES PERMITTING FROM THE DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS PRIOR THE BEGINNING OF EACH WORK SITE DURING THE PROJECT.
2. THE CONTRACTOR SHALL CONSULT THE PROJECT ENGINEER BEFORE THE INSTALLATION OF EACH STRUCTURE.
3. THE CONTRACTOR SHALL REMOVED THE EXISTING SIGN AND TRAFFIC POST. THESE STRUCTURE SHALL BE DELIVER TO THE PRIMA PERSONNEL.
4. THE CONTRACTOR SHALL REMOVE THE EXISTING POST FOUNDATION.
5. THE MINIMUM DISTANCE OF THE LATERAL LOCATION OF THE EDGE OF THE SIGN TO THE EXISTING ROAD CURB SHALL BE 0.61 M.
6. THE CONTRACTOR SHALL INSTALL THE PROPOSED SIGN IN SIDEWALK AREA, REFER TO PHOTO #3.

Yo, Hernan E. Lopez Baez, Ingeniero Licenciado #18184, certifico que soy el profesional que certificó, diseñó y preparó estos planos y las especificaciones complementarias. También certifico que ordenaré que estos planos y especificaciones cumplan con las disposiciones aplicables del Reglamento Conjunto, las disposiciones aplicables de los Reglamentos y Códigos de Construcción vigentes de las Agencias Juntas Reglamentadoras o Corporaciones Públicas con jurisdicción. Reconozco que cualquier desviación fuera de lo indicado en los mismos por desconocimiento o por negligencia, que no por mal, ignorancia o malicia o por otras personas con mal consideración, me hacen responsable de cualquier acción judicial y daños finales por 30 años.

ENZO Engineering, psc.
PO Box 3040, PMB 427
Guaraba, PR 00778
TEL. (787) 649-6200 | LOPEZBAEZ@ENZOGROUPLLC.ORG

HERNAN E. LOPEZ BAEZ, PE MEM
LIC. 18184

BUS STOP SIGNAGE PROJECT - PHASE 1
ROUTE 2 | BUS STOP #4

FROM BAYAMÓN TO SAGRADO CORAZÓN
HIGHWAY PR-2 BEFORE RÍO HONDO EXPRESSWAY (PR-5) EXIT
MUNICIPALITY OF BAYAMÓN

AUTORIDAD METROPOLITANA DE AUTOBUSES

METROPOLITAN BUS AUTHORITY
BOX 195349
SAN JUAN, PR 00919-5349

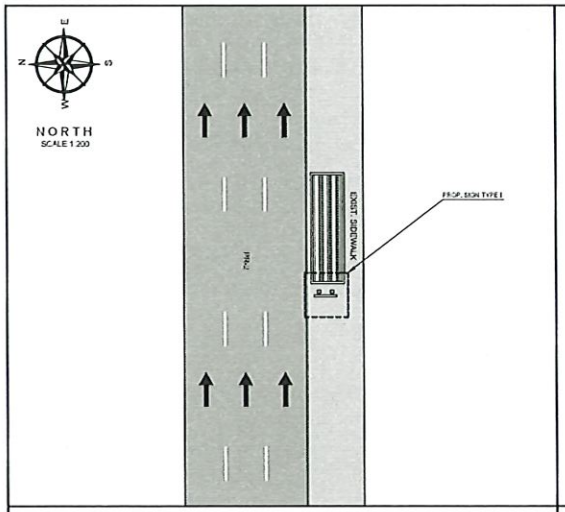
REVISION	
DATE: JUNE 2022	
CHECKED BY: BEV	DRAW BY: ABZ
DWG. TYPE: TS-1.04	SHEET NO. 10 OF 92

ROUTE 2 | BUS STOP #5

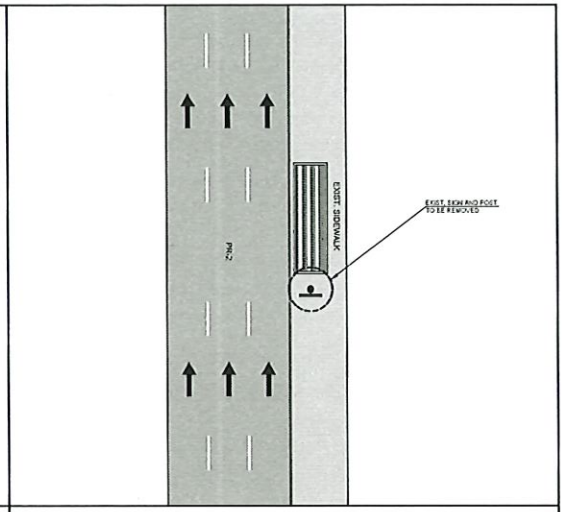
PHOTO - 1

PHOTO - 2

PHOTO - 3: PROPOSED SIGN LOCATION

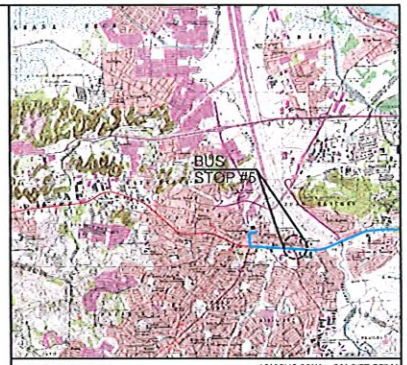


PROPOSED IMPROVEMENTS - ROUTE 2 | B.S.#5

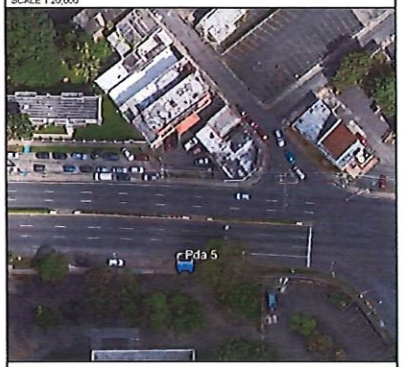


EXIST. CONDITIONS - ROUTE 2 | B.S.#5

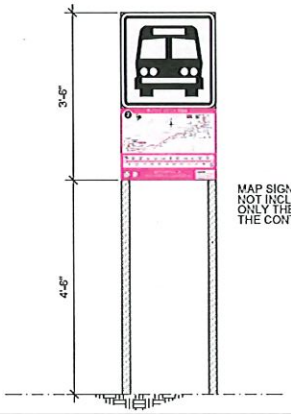
2.5 0 5 15
SCALE 1:200



LOCATION PLAN
SCALE 1:20,000
18°23'43.90"N , 66° 8'57.55"W



AERIAL PHOTO
SCALE 1:1,000
GOOGLE EARTH
VERSION 7.3.4.8642 PRO



MAP SIGN FABRICATION NOT INCLUDED IN THIS CONTRACT ONLY THE INSTALLATION BY THE CONTRACTOR

PROPOSED SIGN TYPE I

NOT TO SCALE

LEGEND:

- PROP. SIGN TYPE I
- PROP. SIGN TYPE II
- PROP. SIGN TYPE III
- PROP. SIGN TYPE IV
- EXIST. SIGN
- FRIMBA EXCLUSIVE LANE (AMA LANE)
- TRAFFIC DIRECTION

NOTES:

1. THE CONTRACTOR SHALL OBTAIN THE EXCAVATION, DEMOLITION AND PIPES PERMITTING FROM THE DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS PRIOR THE BEGINING OF EACH WORK SITE DURING THE PROJECT.
2. THE CONTRACTOR SHALL CONSULT THE PROJECT ENGINEER BEFORE THE INSTALLATION OF EACH STRUCTURE.
3. THE CONTRACTOR SHALL REMOVED THE EXISTING SIGN AND TRAFFIC POST, THESE STRUCTURE SHALL BE DELIVER TO THE FRIMBA PERSONNEL.
4. THE CONTRACTOR SHALL REMOVE THE EXISTING POST FOUNDATION.
5. THE MINIMUM DISTANCE OF THE LATERAL LOCATION OF THE EDGE OF THE SIGN TO THE EXISTING ROAD CURB SHALL BE 0.60 M.
6. THE CONTRACTOR SHALL INSTALL THE PROPOSED SIGN IN SIDEWALK AREA, REFER TO PHOTO #3.

Yo, Hernan E. López Báez, ingeniero, licencia 18154, certifico que soy el profesional que confeccionó, diseñó y preparó estos planos y las especificaciones complementarias. También certifico que estimo que estos planos y especificaciones cumplen con las disposiciones aplicables del Reglamento Conjunto y las disposiciones aplicables de los Reglamentos y Códigos de Construcción Vigentes de las Agencias, Juntas Reglamentadoras o Corporaciones Públicas con jurisdicción. Reconozco que cualquier declaración falsa o falseamiento de los hechos que se haya producido por desconocimiento o por negligencia, ya sea por mí, mis agentes o empleados, o por otras personas por mí consentidas, me hacen responsable de cualquier acción judicial y disciplinaria por la OGPe.

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Guraabo, PR 00778
TEL. (787) 649-6200 | LOPEZBAEZ@ENZOGROUPLLC.ORG

HERNAN E. LOPEZ BAEZ
INGENIERO LICENCIADO
PUERTO RICO
HERNAN E. LOPEZ BAEZ, PE MEM
LIC. 18154PE

BUS STOP SIGNAGE PROJECT - PHASE 1
ROUTE 2 | BUS STOP #5

FROM BAYAMÓN TO SAGRADO CORAZÓN
HIGHWAY PR-2 BEFORE MARTÍNEZ ST.
MUNICIPALITY OF BAYAMÓN

AUTORIDAD METROPOLITANA DE AUTOBUSES

METROPOLITAN BUS AUTHORITY
BOX 195349
SAN JUAN, PR 00919-5349

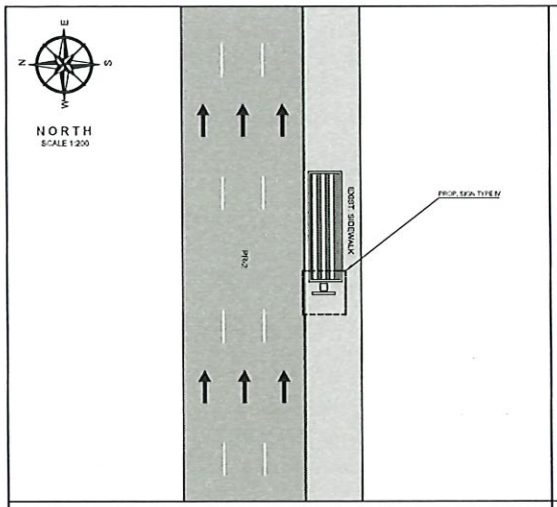
REVISION	
DATE JUNE 2022	
CHECKED BY BEV	DRAW BY ABZ
DWG. TYPE TS-1.05	SHEET NO. 11 OF 92

ROUTE 2 | BUS STOP #6

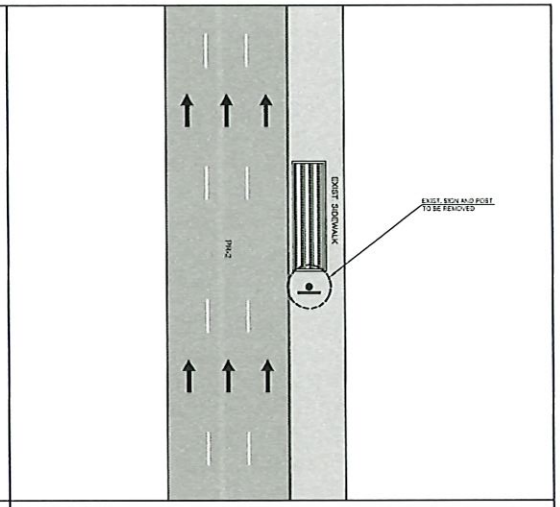
PHOTO - 1

PHOTO - 2

PHOTO - 3: PROPOSED SIGN LOCATION

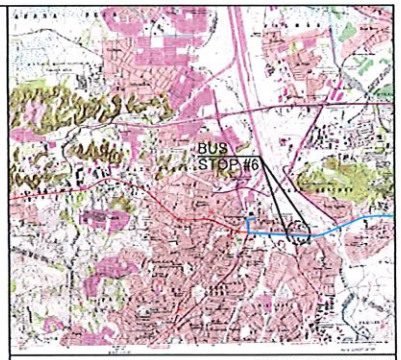


PROPOSED IMPROVEMENTS - ROUTE 2 | B.S.#6



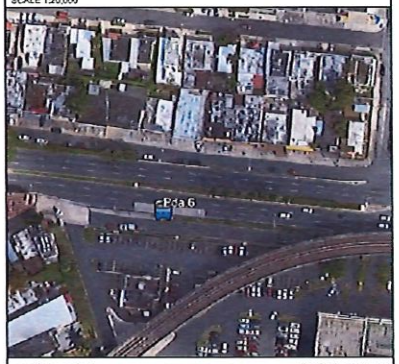
EXIST. CONDITIONS - ROUTE 2 | B.S.#6

2.5 0 5 15
SCALE 1:200



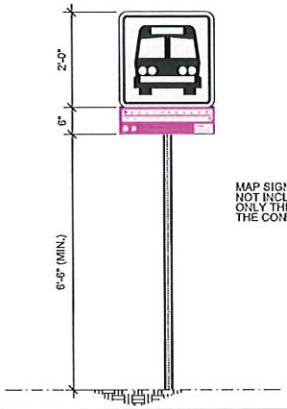
LOCATION PLAN
SCALE 1:20,000

18°23'43.23"N , 66° 8'50.70"W



AERIAL PHOTO
SCALE 1:1,000

GOOGLE EARTH
VERSION: 7.3.4.8542 PRO



MAP SIGN FABRICATION NOT INCLUDED IN THIS CONTRACT ONLY THE INSTALLATION BY THE CONTRACTOR

PROPOSED SIGN TYPE IV

NOT TO SCALE

LEGEND:

- PROP. SIGN TYPE I
- PROP. SIGN TYPE II
- PROP. SIGN TYPE III
- PROP. SIGN TYPE IV
- EXIST. SIGN
- PRIMBA EXCLUSIVE LANE (AMA LANE)
- TRAFFIC DIRECTION

NOTES:

1. THE CONTRACTOR SHALL OBTAIN THE EXCAVATION, DEMOLITION AND PERMITS PERMITTING FROM THE DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS PRIOR THE BEGINNING OF EACH WORK SITE DURING THE PROJECT.
2. THE CONTRACTOR SHALL CONSULT THE PROJECT ENGINEER BEFORE THE INSTALLATION OF EACH STRUCTURE.
3. THE CONTRACTOR SHALL REMOVED THE EXISTING SIGN AND TRAFFIC POST. THESE STRUCTURE SHALL BE DELIVER TO THE PRIMBA PERSONNEL.
4. THE CONTRACTOR SHALL REMOVE THE EXISTING POST FOUNDATION.
5. THE MINIMUM DISTANCE OF THE LATERAL LOCATION OF THE EDGE OF THE SIGN TO THE EXISTING ROAD CURB SHALL BE 6'-6" M.
6. THE CONTRACTOR SHALL INSTALL THE PROPOSED SIGN IN SIDEWALK AREA. REFER TO PHOTO #3.

Yo, Hernan E. Lopez Baez Ingeniero Licencia 18194, certifico que soy el profesional que confeccionó, diseñó y preparó estos planos y las especificaciones complementarias. También certifico que estamos que dichos planos y especificaciones cumplen con las disposiciones aplicables del Reglamento Conjunto, las disposiciones aplicables de los Reglamentos y Códigos de Construcción vigentes de las Agencias, Juntas, Reglamentadoras o Corporaciones Públicas con Jurisdicción. Reconozco que cualquier declaración falsa o falsificación de los hechos que se hayan producido por desconocimiento o por negligencia, sea por mí, mis agentes o empleados, o por otras personas con mi consentimiento, me hacen responsable de cualquier acción judicial y civil aplicable por la OGPe.

ENZO Engineering, psc.
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GUAYNABO, PR 00778
TEL. (787) 649-6200 | LOPEZBAEZ@ENZOGROUPLLC.ORG

HERNAN E. LOPEZ BAEZ
INGENIERO LICENCIADO
PUERTO RICO
HERNAN E. LOPEZ BAEZ, PE MEM
LIC. # 18194

BUS STOP SIGNAGE PROJECT - PHASE 1
ROUTE 2 | BUS STOP #6

FROM BAYAMÓN TO SAGRADO CORAZÓN
HIGHWAY PR-2 AFTER MARTÍNEZ ST.
MUNICIPALITY OF BAYAMÓN

AUTORIDAD METROPOLITANA DE AUTOBUSES

METROPOLITAN BUS AUTHORITY
BOX 195349
SAN JUAN, PR 00919-5349

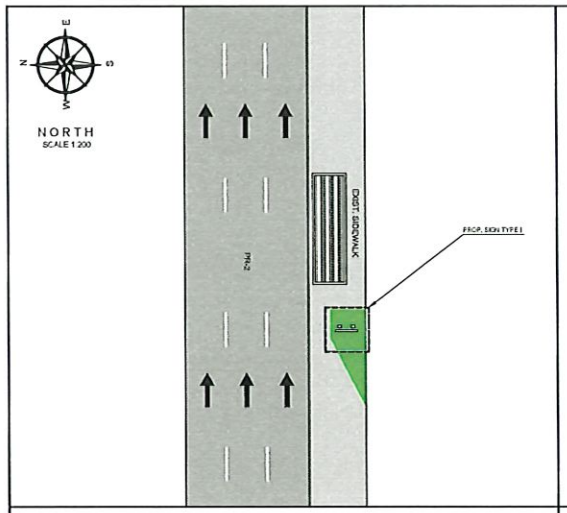
REVISION	
DATE: JUNE 2022	
CHECKED BY: BEV	DRAW BY: ABZ
DWG. TYPE: TS-1.06	SHEET NO. 12 OF 92

ROUTE 2 | BUS STOP #7

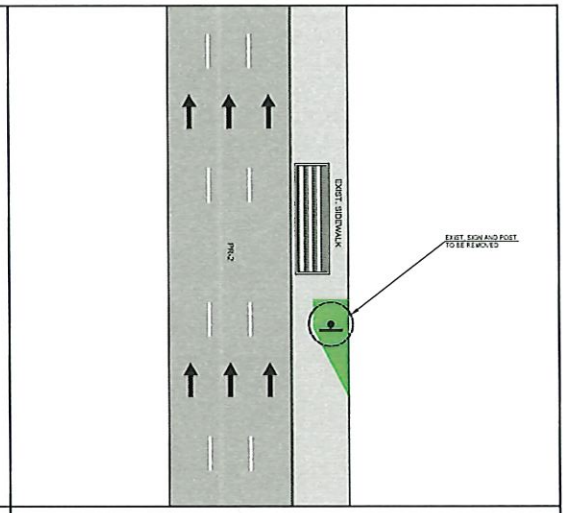
PHOTO - 1

PHOTO - 2

PHOTO - 3: PROPOSED SIGN LOCATION

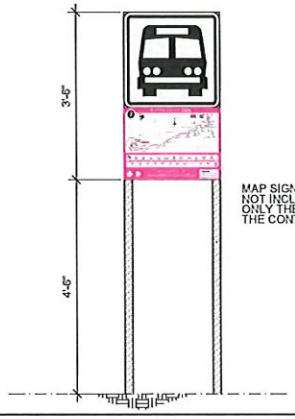


PROPOSED IMPROVEMENTS - ROUTE 2 | B.S.#7



EXIST. CONDITIONS - ROUTE 2 | B.S.#7

2.5 0 5 15
SCALE 1:200



MAP SIGN FABRICATION NOT INCLUDED IN THIS CONTRACT ONLY THE INSTALLATION BY THE CONTRACTOR

PROPOSED SIGN TYPE I

NOT TO SCALE

LEGEND:

- PROP. SIGN TYPE I
- PROP. SIGN TYPE II
- PROP. SIGN TYPE III
- PROP. SIGN TYPE IV
- EXIST. SIGN
- FRMBA EXCLUSIVE LANE (AMA LANE)
- TRAFFIC DIRECTION

NOTES:

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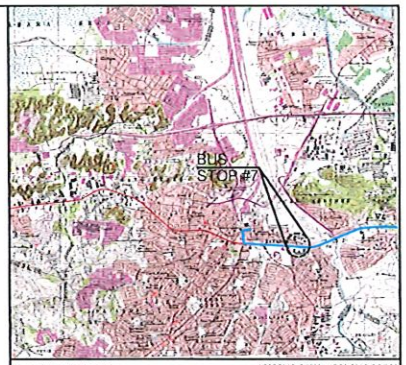
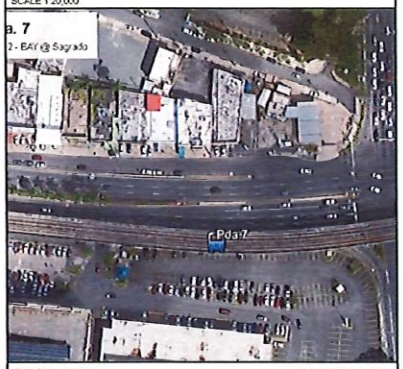
4. THE CONTRACTOR SHALL REMOVE THE EXISTING POST FOUNDATION.
5. THE CONTRACTOR SHALL INSTALL THE PROPOSED SIGN IN THE PLANTING AREA, REFER TO PHOTO #3.
6. THE MINIMUM DISTANCE OF THE LATERAL LOCATION OF THE EDGE OF THE SIGN TO THE EXISTING ROAD CURB SHALL BE 0.60 M.



LOCATION PLAN
SCALE 1:20,000
18°23'42.01"N , 66° 8'40.23"W



AERIAL PHOTO
SCALE 1:1,000
GOOGLE EARTH
VERSION 7.3.4.8642 PRO

Yo, Hernan E. Lopez Baez, ingeniero licencia 18154, certifico que soy el profesional que confeccionó, diseñó y preparó estos planos y las especificaciones complementarias. También certifico que enfatizo que dichos planos y especificaciones cumplen con las disposiciones aplicables del Reglamento Conjunto y las disposiciones aplicables de los Reglamentos y Códigos de Construcción Vigentes de las Agencias, Juntas Reglamentadoras o Corporaciones Públicas con jurisdicción. Reconozco que cualquier declaración falsa o falsificación de los hechos que se haya producido por desconocimiento o por negligencia, ya sea por mí, mis agentes o empleados, o por otras personas con mi conocimiento, me hacen responsable de cualquier acción judicial y disciplinaria por la OGPe.

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HERNAN E. LOPEZ BAEZ
INGENIERO LICENCIADO
PUERTO RICO
HERNAN E. LOPEZ BAEZ, PE MEM
LIC. 18154PE

BUS STOP SIGNAGE PROJECT - PHASE 1
ROUTE 2 | BUS STOP #7

FROM BAYAMÓN TO SAGRADO CORAZÓN
HIGHWAY PR-2 BEFORE MAIN AVE.
MUNICIPALITY OF BAYAMÓN

AUTORIDAD METROPOLITANA DE AUTOBUSES

METROPOLITAN BUS AUTHORITY
BOX 195349
SAN JUAN, PR 00919-5349

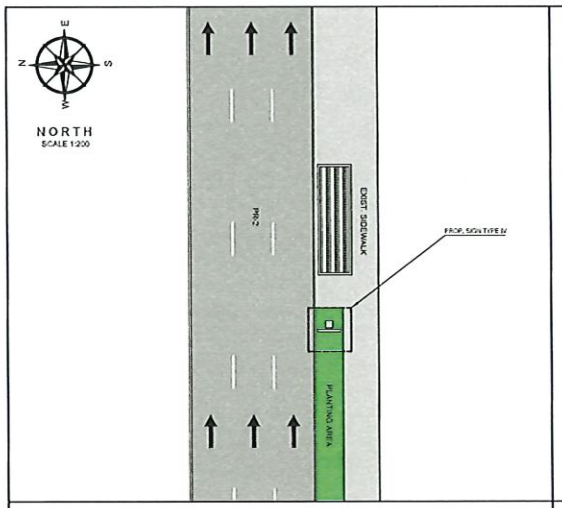
REVISION	
DATE: JUNE 2022	
CHECKED BY: BEV	DRAWN BY: ABZ
DWG. TYPE: TS-1.07	SHEET NO. 13 OF 92

ROUTE 2 | BUS STOP #8

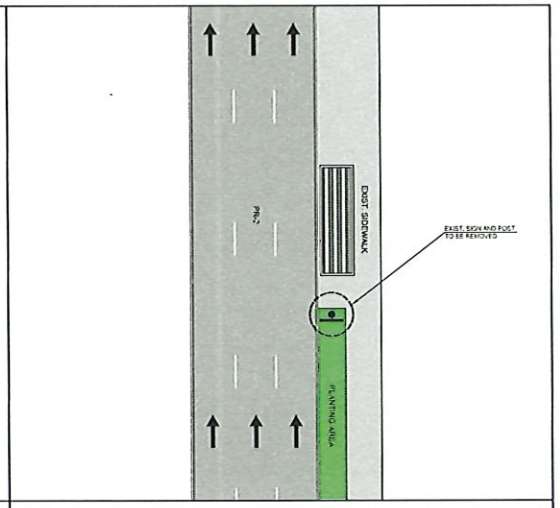
PHOTO - 1

PHOTO - 2

PHOTO - 3: PROPOSED SIGN LOCATION

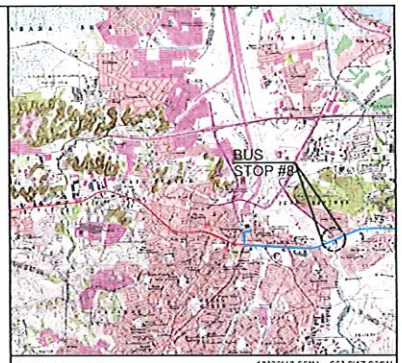


PROPOSED IMPROVEMENTS - ROUTE 2 | B.S.#8



EXIST. CONDITIONS - ROUTE 2 | B.S.#8

2.5 0 5 15
SCALE 1:200

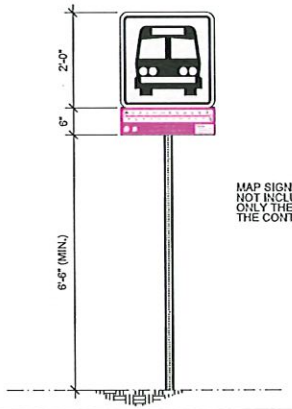


LOCATION PLAN
SCALE 1:20,000

18°23'48.66"N , 65° 8'17.28"W

AERIAL PHOTO
SCALE 1:1,000

GOOGLE EARTH
VERSION: 7.3.4.8542 PRO



MAP SIGN FABRICATION NOT INCLUDED IN THIS CONTRACT ONLY THE INSTALLATION BY THE CONTRACTOR

PROPOSED SIGN TYPE IV

NOT TO SCALE

LEGEND:

- PROP. SIGN TYPE I
- PROP. SIGN TYPE II
- PROP. SIGN TYPE III
- PROP. SIGN TYPE IV
- EXIST. SIGN
- PRIMA EXCLUSIVE LANE (AMA LANE)
- TRAFFIC DIRECTION

NOTES:

1. THE CONTRACTOR SHALL OBTAIN THE EXCAVATION, DEMOLITION AND PERMITS PERMITTING FROM THE DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS PRIOR THE BEGINNING OF EACH WORK SITE DURING THE PROJECT.
2. THE CONTRACTOR SHALL CONSULT THE PROJECT ENGINEER BEFORE THE INSTALLATION OF EACH STRUCTURE.
3. THE CONTRACTOR SHALL REMOVED THE EXISTING SIGN AND TRAFFIC POST. THESE STRUCTURE SHALL BE DELIVER TO THE PRIMA PERSONNEL.
4. THE CONTRACTOR SHALL REMOVE THE EXISTING POST FOUNDATION.
5. THE CONTRACTOR SHALL INSTALL VISIBLE THE PROPOSED SIGN AND NOT BE AFFECTED BY THE TRAFFIC SIGNAL POLE. REFER TO PHOTO #3.
6. THE MINIMUM DISTANCE OF THE LATERAL LOCATION OF THE EDGE OF THE SIGN TO THE EXISTING ROAD CURB SHALL BE 0.60 M.

Yo, Hernan E. Lopez Baez Ingeniero Licencia 18134 certifico que soy el profesional que confeccionó, diseñó y preparó estos planos y las especificaciones complementarias. También certifico que estos planos y especificaciones cumplen con las Ordenanzas aplicables del Reglamento Conjunto y las disposiciones aplicables de los Reglamentos y Códigos de Construcción Vigentes de las Agencias, Juntas Reglamentadoras o Corporaciones Públicas con Jurisdicción. Reconozco que cualquier deficiencia, falta o omisión de las mismas que se haya producido por desconocimiento o por negligencia de mi parte no me relevará o eximirá, a mi o a otras personas con responsabilidad, de hacer responsable de cualquier acción judicial y/o delictiva por la OCPR.

ENZO Engineering, psc.
PO Box 3040, PMB 427
Guaynabo, PR 00970
TEL. (787) 649-6200 | LOPEZBAEZ@ENZOGROUPLLC.ORG

HERNAN E. LOPEZ BAEZ
INGENIERO LICENCIADO
PUERTO RICO

HERNAN E. LOPEZ BAEZ, PE MEM
LIC. # 18134

BUS STOP SIGNAGE PROJECT - PHASE 1
ROUTE 2 | BUS STOP #8

FROM BAYAMÓN TO SAGRADO CORAZÓN
HIGHWAY PR-2 AFTER OPPOSITE SIDE OF HIGHWAY PR-6
MUNICIPALITY OF BAYAMÓN

AUTORIDAD METROPOLITANA DE AUTOBUSES

METROPOLITAN BUS AUTHORITY
BOX 195349
SAN JUAN, PR 00919-5349

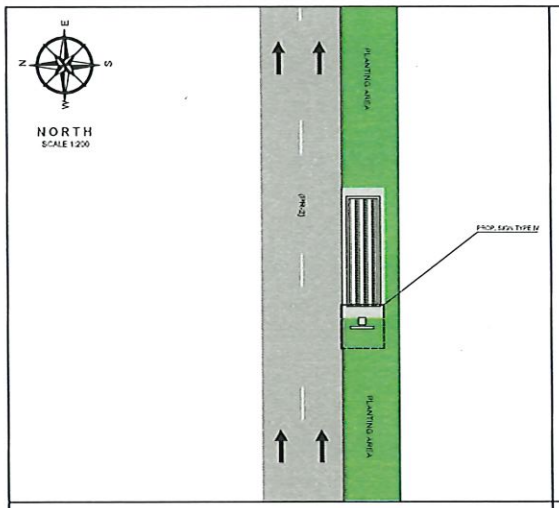
REVISION	
DATE: JUNE 2022	
CHECKED BY: BEV	DRAW BY: ABZ
DWG. TYPE: TS-1.08	SHEET NO. 14 OF 92

ROUTE 2 | BUS STOP #9

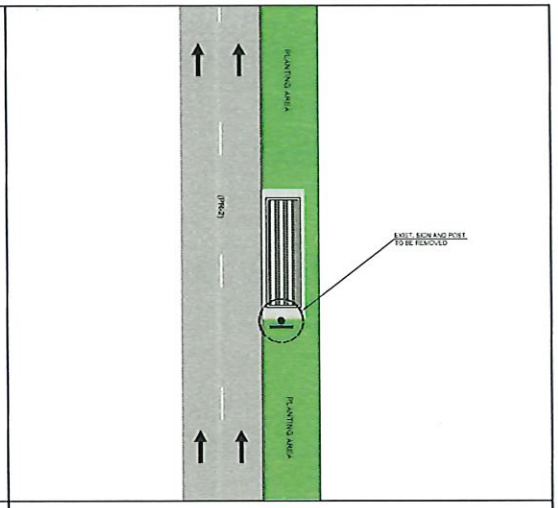
PHOTO - 1

PHOTO - 2

PHOTO - 3: PROPOSED SIGN LOCATION

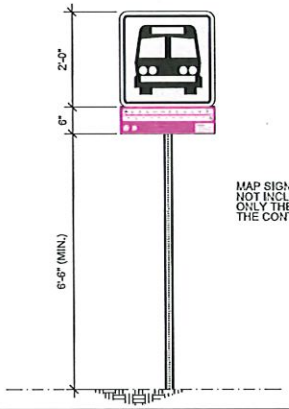


PROPOSED IMPROVEMENTS - ROUTE 2 | B.S.#9



EXIST. CONDITIONS - ROUTE 2 | B.S.#9

2.5 0 5 15
SCALE 1:200



MAP SIGN FABRICATION NOT INCLUDED IN THIS CONTRACT ONLY THE INSTALLATION BY THE CONTRACTOR

PROPOSED SIGN TYPE IV

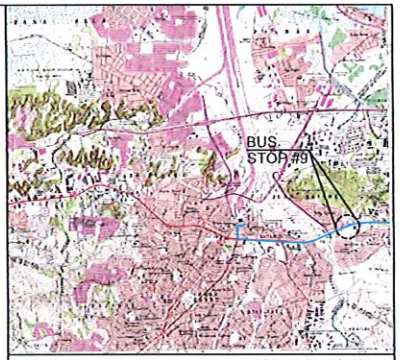
NOT TO SCALE

LEGEND:

- PROP. SIGN TYPE I
- PROP. SIGN TYPE II
- PROP. SIGN TYPE III
- PROP. SIGN TYPE IV
- EXIST. SIGN
- PRUEBA EXCLUSIVE LANE (AMA LANE)
- TRAFFIC DIRECTION

NOTES:

1. THE CONTRACTOR SHALL OBTAIN THE EXCAVATION, DEMOLITION AND PIPES PERMITTING FROM THE DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS PRIOR THE BEGINNING OF EACH WORK SITE DURING THE PROJECT.
2. THE CONTRACTOR SHALL CONSULT THE PROJECT ENGINEER BEFORE THE INSTALLATION OF EACH STRUCTURE.
3. THE CONTRACTOR SHALL REMOVED THE EXISTING SIGN AND TRAFFIC POST, THESE STRUCTURE SHALL BE DELIVER TO THE PRUEBA PERSONNEL.
4. THE CONTRACTOR SHALL REMOVE THE EXISTING POST FOUNDATION.
5. THE MINIMUM DISTANCE OF THE LATERAL LOCATION OF THE EDGE OF THE SIGN TO THE EXISTING ROAD CURB SHALL BE 0.61 M.
6. THE CONTRACTOR SHALL INSTALL THE PROPOSED SIGN IN THE PLANTING AREA. REFER TO PHOTO #3.



LOCATION PLAN
SCALE 1:20,000

18°23'55.54"N , 66° 7'51.05"W

AERIAL PHOTO
SCALE 1:1,000

GOOGLE EARTH
VERSION: 7.3.4.8542 PRO

Yo, Hernan E. Lopez Baez, Ingeniero Licenciado 18184, certifico que soy el profesional que confeccionó, diseñó y preparó estos planos y las especificaciones complementarias. También certifico que estimo que estos planos y especificaciones cumplen con las disposiciones aplicables del Reglamento Conjunto, las disposiciones aplicables de los Reglamentos y Códigos de Construcción vigentes de las Agencias, Juntas Reglamentadoras o Corporaciones Públicas con Jurisdicción. Reconozco que cualquier deficiencia, falta o falsificación de los hechos que se haya producido por desconocimiento o por negligencia, ya sea por mí, mis agentes o empleados o por otras personas con mi conocimiento, me hacen responsable en cualquier acción judicial y disciplinaria por la DOPR.

ENZO Engineering, psc.
PO Box 3040, PMB 427
Guraeo, PR 00778
TEL. (787) 649-6200 | LOPEZBAEZ@ENZOGROUPLLC.ORG

HERNAN E. LOPEZ BAEZ
INGENIERO LICENCIADO
PUERTO RICO
HERNAN E. LOPEZ BAEZ, PE MEM
LIC. 18184

BUS STOP SIGNAGE PROJECT - PHASE 1
ROUTE 2 | BUS STOP #9

FROM BAYAMÓN TO SAGRADO CORAZÓN
HIGHWAY PR-2 OPPOSITE SIDE OF DEALER TOYOTA
MUNICIPALITY OF BAYAMÓN

AUTORIDAD METROPOLITANA DE AUTOBUSES

METROPOLITAN BUS AUTHORITY
BOX 195349
SAN JUAN, PR 00919-5349

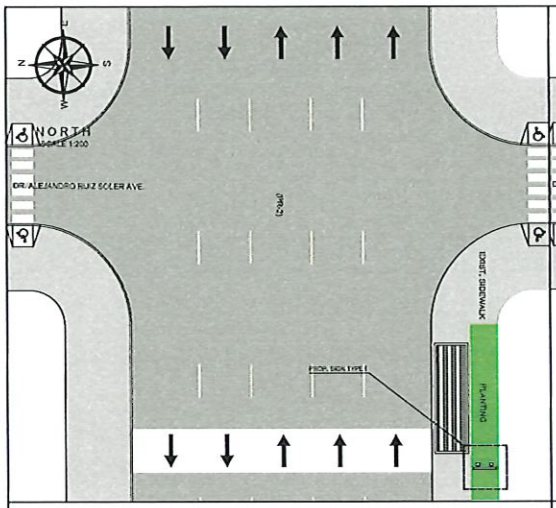
REVISION	
DATE: JUNE 2022	
CHECKED BY: BEV	DRAW BY: ABZ
DWG. TYPE: TS-1.09	SHEET NO. 15 OF 92

ROUTE 2 | BUS STOP #10

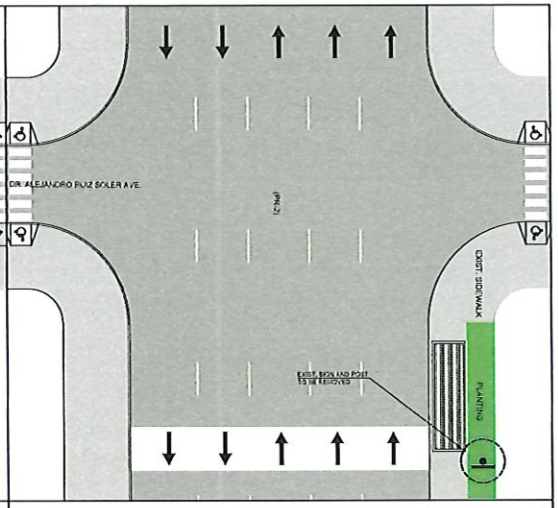
PHOTO - 1

PHOTO - 2

PHOTO - 3: PROPOSED SIGN LOCATION

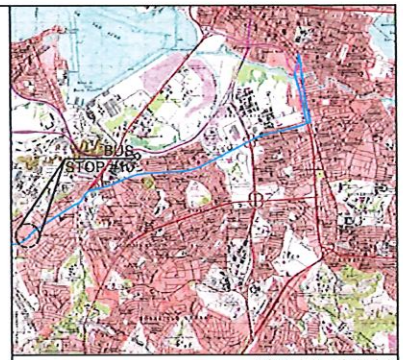


PROPOSED IMPROVEMENTS - ROUTE 2 | B.S.#10



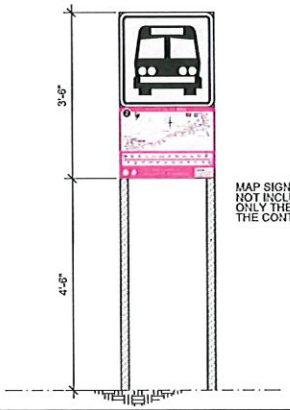
EXIST. CONDITIONS - ROUTE 2 | B.S.#10

2.5 0 5 15
SCALE 1:200



LOCATION PLAN 18°23'55.64"N , 66° 7'33.49"W
SCALE 1:20,000

AERIAL PHOTO GOOGLE EARTH
SCALE 1:1,000 VERSION: 7.3.4.8542 PRO



MAP SIGN FABRICATION NOT INCLUDED IN THIS CONTRACT ONLY THE INSTALLATION BY THE CONTRACTOR

PROPOSED SIGN TYPE I NOT TO SCALE

LEGEND:

- PROP. SIGN TYPE I
- PROP. SIGN TYPE II
- PROP. SIGN TYPE III
- PROP. SIGN TYPE IV
- EXIST. SIGN
- FRIMBA EXCLUSIVE LANE (AMA LANE)
- TRAFFIC DIRECTION

NOTES:

1. THE CONTRACTOR SHALL OBTAIN THE EXCAVATION, DEMOLITION AND PIPES PERMITTING FROM THE DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS PRIOR THE BEGINNING OF EACH WORK SITE DURING THE PROJECT.
2. THE CONTRACTOR SHALL CONSULT THE PROJECT ENGINEER BEFORE THE INSTALLATION OF EACH STRUCTURE.
3. THE CONTRACTOR SHALL REMOVED THE EXISTING SIGN AND TRAFFIC POST. THESE STRUCTURE SHALL BE DELIVER TO THE FRIMBA PERSONNEL.
4. THE CONTRACTOR SHALL REMOVE THE EXISTING POST FOUNDATION.
5. THE MINIMUM DISTANCE OF THE LATERAL LOCATION OF THE EDGE OF THE SIGN TO THE EXISTING ROAD CURB SHALL BE 0.61 M.
6. THE CONTRACTOR SHALL INSTALL THE PROPOSED SIGN IN THE PLANTING AREA. REFER TO PHOTO #1.

Yo, Hernan E. López Báez Ingeniero Licenciado 18134, certifico que soy el profesional que preparó este diseño y los especificaciones complementarias. También certifico que dichos diseños y especificaciones cumplen con las disposiciones aplicables del Reglamento Conjunto y las disposiciones aplicables de los Reglamentos y Códigos de Construcción vigentes de las Agencias Juntas Reglamentadoras y Corporaciones Públicas con jurisdicción. Reconozco que cualquier deficiencia, falta o omisión de los mismos que se haya producido por desconocimiento o por negligencia, que no por mi o mis agentes o empleados, o por otras personas por mí considerdas no tener responsabilidad de trabajar, sería jurídicamente responsable por dicho acto.

ENZO Engineering, psc.
PO Box 3040, PMB 427
Guaraba, PR 00778
TEL. (787) 649-6200 | LOPEZBAEZ@ENZOGROUPLLC.ORG

HERNAN E. LOPEZ BAEZ, PE MEM
LIC. 18134

BUS STOP SIGNAGE PROJECT - PHASE 1
ROUTE 2 | BUS STOP #10

FROM BAYAMÓN TO SAGRADO CORAZÓN
HIGHWAY PR-2 INTERSECTION COLECTORA CENTRAL ST.
MUNICIPALITY OF BAYAMÓN

AUTORIDAD METROPOLITANA DE AUTOBUSES

METROPOLITAN BUS AUTHORITY
BOX 195349
SAN JUAN, PR 00919-5349

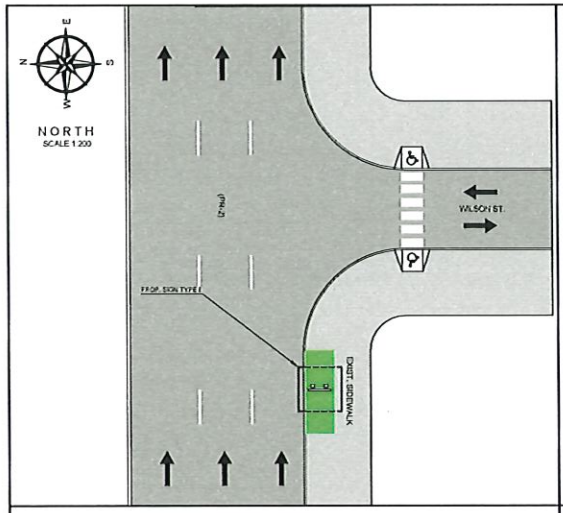
REVISION	
DATE: JUNE 2022	
CHECKED BY: BEV	DRAW BY: ABZ
DWG. TYPE: TS-1.10	SHEET NO. 16 OF 92

ROUTE 2 | BUS STOP #11

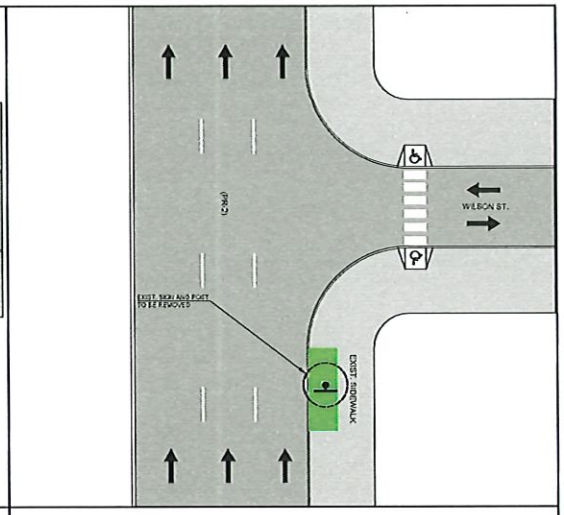
PHOTO - 1

PHOTO - 2

PHOTO - 3: PROPOSED SIGN LOCATION

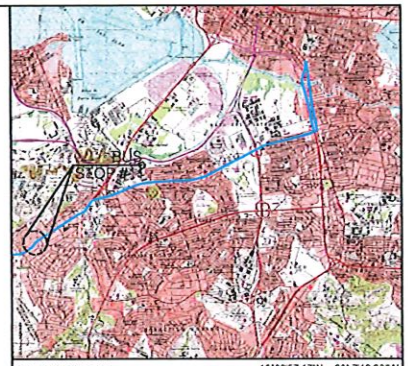


PROPOSED IMPROVEMENTS - ROUTE 2 | B.S.#11



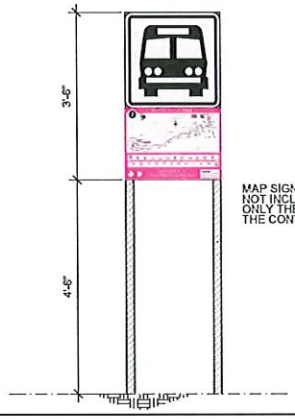
EXIST. CONDITIONS - ROUTE 2 | B.S.#11

2.5 0 5 15
SCALE 1:200



LOCATION PLAN 18°23'57.17"N , 66° 7'19.33"W
SCALE 1:20,000

AERIAL PHOTO GOOGLE EARTH
SCALE 1:1,000 VERSION 7.3.4.8642 PRO



MAP SIGN FABRICATION NOT INCLUDED IN THIS CONTRACT ONLY THE INSTALLATION BY THE CONTRACTOR

PROPOSED SIGN TYPE I NOT TO SCALE

LEGEND:

- PROP. SIGN TYPE I
- PROP. SIGN TYPE II
- PROP. SIGN TYPE III
- PROP. SIGN TYPE IV
- EXIST. SIGN
- PRIMBA EXCLUSIVE LANE (AMA LANE)
- TRAFFIC DIRECTION

NOTES.

1. THE CONTRACTOR SHALL OBTAIN THE EXCAVATION, DEMOLITION AND PIPES PERMITTING FROM THE DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS PRIOR THE BEGINNING OF EACH WORK SITE DURING THE PROJECT.
2. THE CONTRACTOR SHALL CONSULT THE PROJECT ENGINEER BEFORE THE INSTALLATION OF EACH STRUCTURE.
3. THE CONTRACTOR SHALL REMOVES THE EXISTING SIGN AND TRAFFIC POST. THESE STRUCTURE SHALL BE DELIVER TO THE PRIMBA PERSONNEL.
4. THE CONTRACTOR SHALL REMOVE THE EXISTING POST FOUNDATION.
5. THE MINIMUM DISTANCE OF THE LATERAL LOCATION OF THE EDGE OF THE SIGN TO THE EXISTING ROAD OURB SHALL BE 0.60 M.
6. THE CONTRACTOR SHALL INSTALL THE PROPOSED SIGN IN THE PLANTING AREA, REFER TO PHOTO #3.

Yo Hernan E. López Baez, Ingeniero, licencia 18154, certifico que soy el profesional que confeccionó, diseñó y preparó estos planos y las especificaciones completamente. También certifico que entiendo que dichos planos y especificaciones cumplen con las disposiciones aplicables del Reglamento Conjunto y las disposiciones aplicables de los Reglamentos y Código de Construcción Vigentes de las Agencias, Juntas Reglamentadoras o Corporaciones Públicas con jurisdicción. Reconozco que cualquier deformación falsa o falsificación de los hechos que se haya producido por desconocimiento o por negligencia, ya sea por mí, mis agentes o empleados, o por otras personas con mi consentimiento me hacen responsable de cualquier acción judicial y disciplinaria por la OGPe.

ENZO Engineering, psc.
PO Box 3040, PMB 427
Guaraba, PR 00778
TEL. (787) 649-6200 | LOPEZBAEZ@ENZOGROUPLLC.ORG

INGENIERO HERNAN E. LOPEZ BAEZ PUERTO RICO

HERNAN E. LOPEZ BAEZ, PE MEM
LIC. 18154PE

BUS STOP SIGNAGE PROJECT - PHASE 1
ROUTE 2 | BUS STOP #11

FROM BAYAMÓN TO SAGRADO CORAZÓN
HIGHWAY PR-2 BEFORE WILSON ST.
MUNICIPALITY OF GUAYNABO

AUTORIDAD METROPOLITANA DE AUTOBUSES

METROPOLITAN BUS AUTHORITY
BOX 195349
SAN JUAN, PR 00919-5349

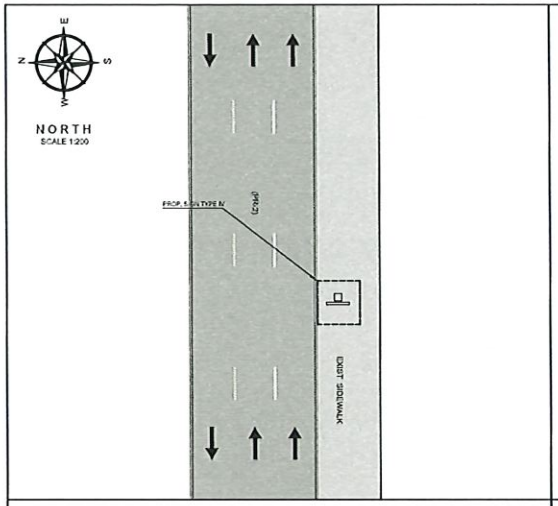
REVISION	
DATE: JUNE 2022	
CHECKED BY: BEV	DRAWN BY: ABZ
DWG. TYPE: TS-1.11	SHEET NO. 17 OF 92

ROUTE 2 | BUS STOP #12

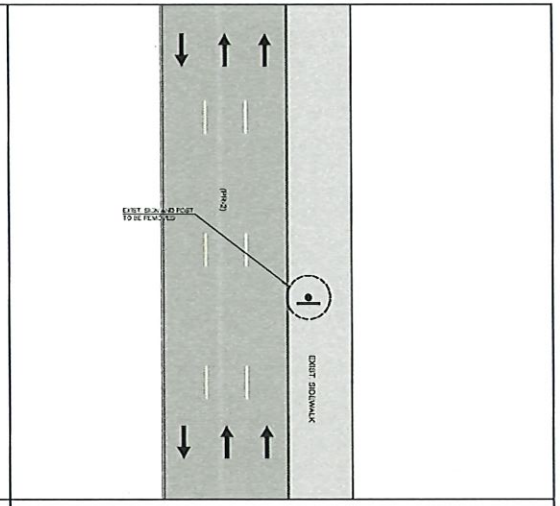
PHOTO - 1

PHOTO - 2

PHOTO - 3: PROPOSED SIGN LOCATION

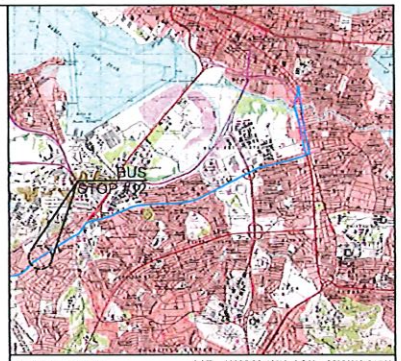


PROPOSED IMPROVEMENTS - ROUTE 2 | B.S.#12



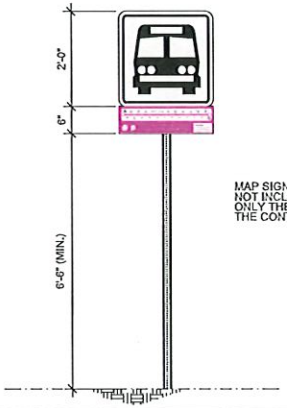
EXIST. CONDITIONS - ROUTE 2 | B.S.#12

2.5 0 5 15
SCALE 1:200



LOCATION PLAN LAT: 18°25'22.13"N , LON: 65°59'19.81"W
SCALE 1:20,000

AERIAL PHOTO GOOGLE EARTH
SCALE 1:1,000 VERSION: 7.3.4.8642 PRO



MAP SIGN FABRICATION NOT INCLUDED IN THIS CONTRACT ONLY THE INSTALLATION BY THE CONTRACTOR

PROPOSED SIGN TYPE IV NOT TO SCALE

LEGEND:

- PROP. SIGN TYPE I
- PROP. SIGN TYPE II
- PROP. SIGN TYPE III
- PROP. SIGN TYPE IV
- EXIST. SIGN
- PRIMBA EXCLUSIVE LANE (AMA LANE)
- TRAFFIC DIRECTION

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3. THE CONTRACTOR SHALL REMOVED THE EXISTING SIGN AND TRAFFIC POST. THESE STRUCTURE SHALL BE DELIVER TO THE PRIMBA PERSONNEL.
4. THE CONTRACTOR SHALL REMOVE THE EXISTING POST FOUNDATION.
5. THE MINIMUM DISTANCE OF THE LATERAL LOCATION OF THE EDGE OF THE SIGN TO THE EXISTING ROAD CURB SHALL BE 0.61 M.
6. THE CONTRACTOR SHALL INSTALL THE PROPOSED SIGN IN SIDEWALK AREA. REFER TO PHOTO #3.

Yo, Hernan E. Lopez Baez Ingeniero Licencia 18194, certifico que soy el profesional que confeccionó, diseñó y/o preparó estos planos y las especificaciones complementarias. También certifico que estimo que dichos planos y especificaciones cumplen con las disposiciones aplicables del Reglamento Conjunto y las disposiciones aplicables de los Reglamentos y Códigos de Construcción Vigentes de las Agencias, Juntas Reglamentarias o Corporaciones Públicas con Jurisdicción. Reconozco que cualquier declaración falsa o falsificación de los hechos que se haya producido por desconocimiento o por negligencia, ya sea por mí, mis agentes o empleados, o por otras personas con mi conocimiento, me hacen responsable de cualquier acción judicial y disciplinaria por la OCPR.

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TEL. (787) 649-6200 | LOPEZBAEZ@ENZOGROUPLLC.ORG

HERNAN E. LOPEZ BAEZ
INGENIERO LICENCIADO
PUERTO RICO
HERNAN E. LOPEZ BAEZ, PE MEM
LIC. # 18194

BUS STOP SIGNAGE PROJECT - PHASE 1
ROUTE 2 | BUS STOP #12

FROM BAYAMÓN TO SAGRADO CORAZÓN
HIGHWAY PR-2 BEFORE OPPOSITE SIDE OF ROBLES ST.
MUNICIPALITY OF GUAYNABO

AUTORIDAD METROPOLITANA DE AUTOBUSES

METROPOLITAN BUS AUTHORITY
BOX 195349
SAN JUAN, PR 00919-5349

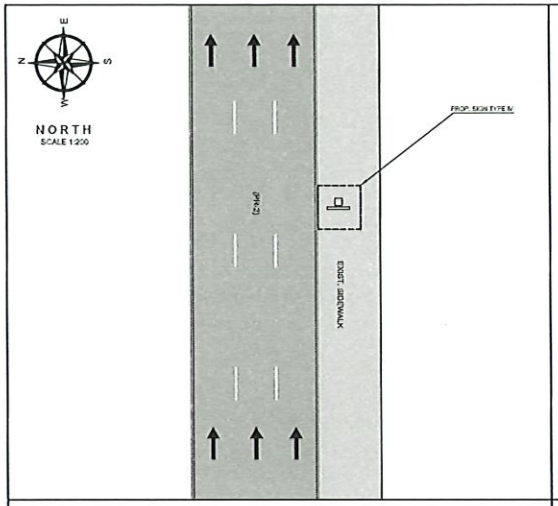
REVISION	
DATE: JUNE 2022	
CHECKED BY: BEV	DRAW BY: ABZ
DWG. TYPE: TS-1.12	SHEET NO. 18 OF 92

ROUTE 2 | BUS STOP #13

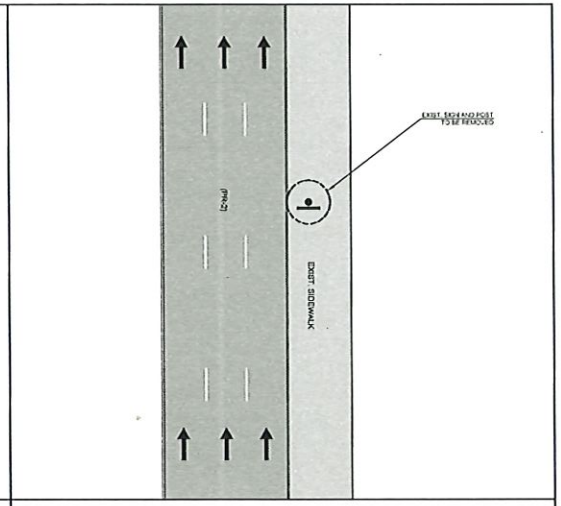
PHOTO - 1

PHOTO - 2

PHOTO - 3: PROPOSED SIGN LOCATION

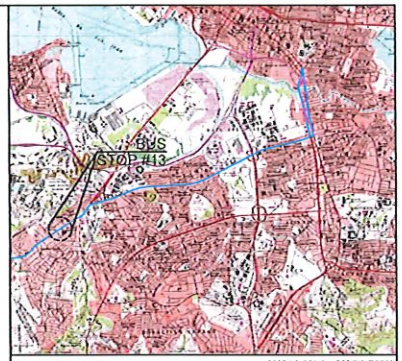


PROPOSED IMPROVEMENTS - ROUTE 2 | B.S.#13



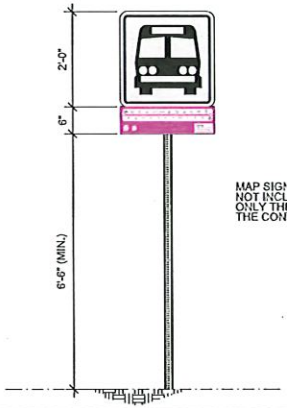
EXIST. CONDITIONS - ROUTE 2 | B.S.#13

2.5 0 5 15
SCALE 1:200



LOCATION PLAN 18°24'3.80"N , 66° 79.71"W
SCALE 1:20,000

AERIAL PHOTO GOOGLE EARTH
SCALE 1:1,000 VERSION: 7.3.4.8542 PRO



MAP SIGN FABRICATION NOT INCLUDED IN THIS CONTRACT ONLY THE INSTALLATION BY THE CONTRACTOR

PROPOSED SIGN TYPE IV NOT TO SCALE

LEGEND:

- PROP. SIGN TYPE I
- PROP. SIGN TYPE II
- PROP. SIGN TYPE III
- PROP. SIGN TYPE IV
- EXIST. SIGN
- PRIMBA EXCLUSIVE LANE (AMA LANE)
- TRAFFIC DIRECTION

NOTES:

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3. THE CONTRACTOR SHALL REMOVED THE EXISTING SIGN AND TRAFFIC POST. THESE STRUCTURE SHALL BE DELIVER TO THE PRIMBA PERGOLAS.
4. THE CONTRACTOR SHALL REMOVE THE EXISTING POST FOUNDATION.
5. THE CONTRACTOR SHALL TAKE INTO ACCOUNT THE LEVEL OF THE EXISTING AERIAL UTILITIES IN THE AREA BEFORE THE WORK PROCEDURES.
6. THE MINIMUM DISTANCE OF THE LATERAL LOCATION OF THE EDGE OF THE SIGN TO THE EXISTING ROAD CURB SHALL BE 0.60 M.
7. THE CONTRACTOR SHALL INSTALL THE PROPOSED SIGN IN SIDEWALK, REFER TO PHOTO #3.

Yo, Hernan E. Lopez Baez, Ingeniero Licencia # 18134, certifico que soy el profesional que confeccionó, diseñó y/o preparó estos planos y las especificaciones complementarias. También certifico que dichos planos y especificaciones cumplen con las disposiciones aplicables del Reglamento Conjunto y las disposiciones aplicables de los Reglamentos y Codigos de Construcción Vigentes de las Agencias, Juntas Reglamentadoras y Corporaciones Públicas con Jurisdicción. Reconozco que cualquier deficiencia, falta o malfunción de la misma que se haya producido por desconocimiento o por negligencia, ya sea por mí, mis agentes o empleados, o por otras personas con mi consentimiento, me hacen responsable de cualquier acción judicial y disciplinaria por la OGPe.

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Guaynabo, PR 00778
TEL. (787) 649-6200 | lopezbaez@enzogroupllc.org

HERNAN E. LOPEZ BAEZ
INGENIERO LICENCIADO
PUERTO RICO
HERNAN E. LOPEZ BAEZ, PE MEM
LIC. 18134

BUS STOP SIGNAGE PROJECT - PHASE 1
ROUTE 2 | BUS STOP #13

FROM BAYAMÓN TO SAGRADO CORAZÓN
HIGHWAY PR-2 BEFORE DR. RAMÓN MIMOSO ST.
MUNICIPALITY OF GUAYNABO

AUTORIDAD METROPOLITANA DE AUTOBUSES

METROPOLITAN BUS AUTHORITY
BOX 195349
SAN JUAN, PR 00919-5349

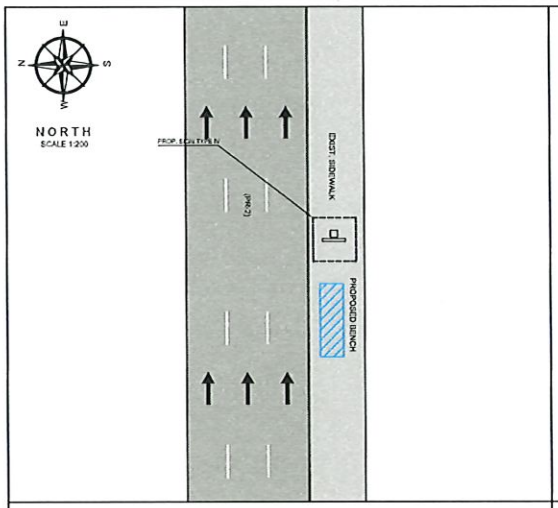
REVISION	
DATE: JUNE 2022	
CHECKED BY: BEV	DRAW BY: ABZ
DWG. TYPE: TS-1.13	SHEET NO. 19 OF 92

ROUTE 2 | BUS STOP #14

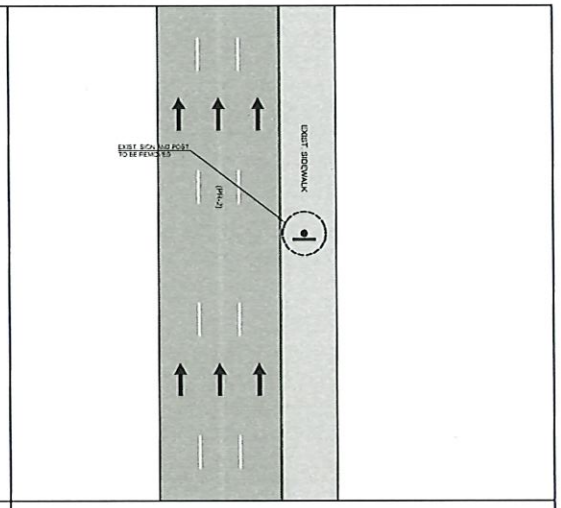
PHOTO - 1

PHOTO - 2

PHOTO - 3: PROPOSED SIGN LOCATION

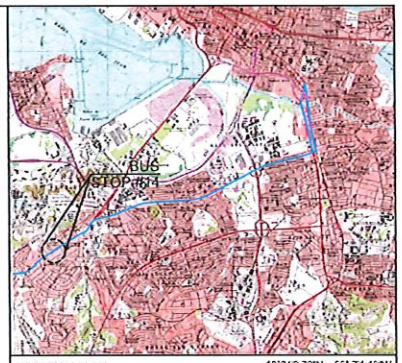


PROPOSED IMPROVEMENTS - ROUTE 2 | B.S.#14



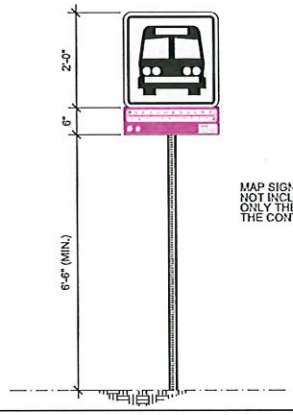
EXIST. CONDITIONS - ROUTE 2 | B.S.#14

2.5 0 5 15
SCALE 1:200



LOCATION PLAN
SCALE 1:20,000
18°24'9.72"N , 66° 7'1.40"W

AERIAL PHOTO
SCALE 1:1,000
GOOGLE EARTH
VERSION: 7.3.4.8542 PRO



MAP SIGN FABRICATION NOT INCLUDED IN THIS CONTRACT ONLY THE INSTALLATION BY THE CONTRACTOR

PROPOSED SIGN TYPE IV

NOT TO SCALE

LEGEND:

- PROP. SIGN TYPE I
- PROP. SIGN TYPE II
- PROP. SIGN TYPE III
- PROP. SIGN TYPE IV
- EXIST. SIGN
- PRIMBA EXCLUSIVE LANE (AMA LANE)
- TRAFFIC DIRECTION
- PROPOSED BENCH

NOTES:

1. THE CONTRACTOR SHALL OBTAIN THE EXCAVATION, DEMOLITION AND PERS PERMITTING FROM THE DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS PRIOR THE BEGINNING OF EACH WORK SITE DURING THE PROJECT.
2. THE CONTRACTOR SHALL CONSULT THE PROJECT ENGINEER BEFORE THE INSTALLATION OF EACH STRUCTURE.
3. THE CONTRACTOR SHALL REMOVED THE EXISTING SIGN AND TRAFFIC POST. THESE STRUCTURE SHALL BE DELIVER TO THE PRIMBA PERSONNEL.
4. THE CONTRACTOR SHALL REMOVE THE EXISTING POST FOUNDATION.
5. THE CONTRACTOR SHALL INSTALL THE PROPOSED BENCH AND SIGN IN THE SIDEWALK AREA. REFER TO PLANO #3.
6. THE MINIMUM DISTANCE OF THE LATERAL LOCATION OF THE EDGE OF THE SIGN TO THE EXISTING ROAD CURB SHALL BE 2.00 M.

Yo, Hernan E. Lopez Baez, Ingeniero Licenciado (E.S.A.) certifico que soy el profesional que certificó, diseñó y preparó estos planos y las especificaciones completas aquí, certifico que entiendo que dichos planos y especificaciones cumplen con las disposiciones aplicables del Reglamento Conjunto y las disposiciones aplicables de los Reglamentos y Códigos de Construcción Vigentes de las Agencias Juntas Reglamentadoras o Corporaciones Públicas con Jurisdicción. Reconozco que cualquier declaración falsa o información de los hechos que se haya prestado por desconocimiento o por negligencia, ya sea por mí, mis agentes o empleados, o por otras personas con mi consentimiento, me hacen responsable de cualquier acción judicial y disciplinaria por la OGPe.

ENZO Engineering, psc.
PO Box 3040, PMB 427
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TEL. (787) 649-6200 | LOPEZBAEZ@ENZOGROUPLLC.ORG

HERNAN E. LOPEZ BAEZ
INGENIERO LICENCIADO
PUERTO RICO
HERNAN E. LOPEZ BAEZ, PE MEM
LIC. 18,595PL

BUS STOP SIGNAGE PROJECT - PHASE 1
ROUTE 2 | BUS STOP #14

FROM BAYAMÓN TO SAGRADO CORAZÓN
HIGHWAY PR-2 BEFORE OPPOSITE SIDE OF VICTOR BRAEGGER ST.
MUNICIPALITY OF GUAYNABO

AUTORIDAD METROPOLITANA DE AUTOBUSES

METROPOLITAN BUS AUTHORITY
BOX 195349
SAN JUAN, PR 00919-5349

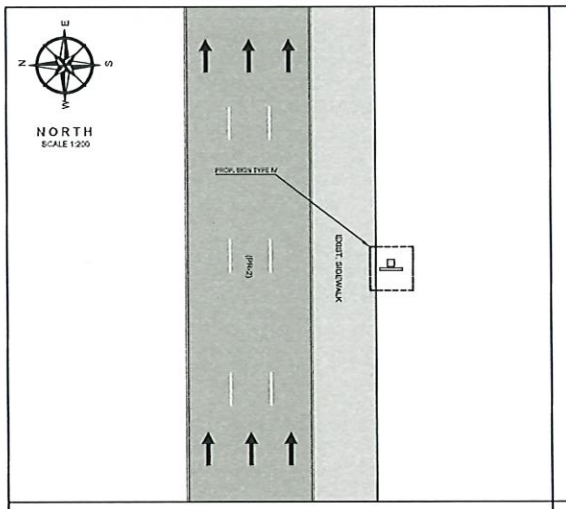
REVISION	
DATE: JUNE 2022	
CHECKED BY: BEV	DRAW BY: ABZ
DWG. TYPE: TS-1.14	SHEET NO. 20 OF 92

ROUTE 2 | BUS STOP #15

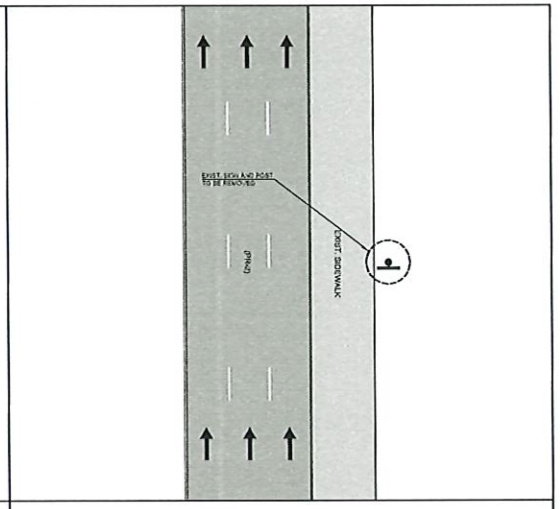
PHOTO - 1

PHOTO - 2

PHOTO - 3: PROPOSED SIGN LOCATION

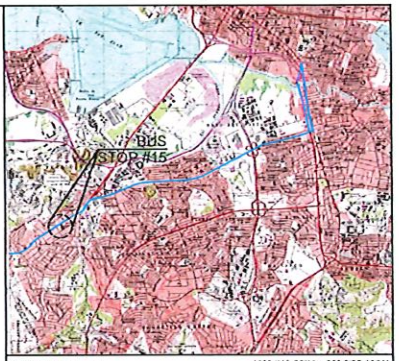


PROPOSED IMPROVEMENTS - ROUTE 2 | B.S.#15



EXIST. CONDITIONS - ROUTE 2 | B.S.#15

2.5 0 5 15
SCALE 1:200

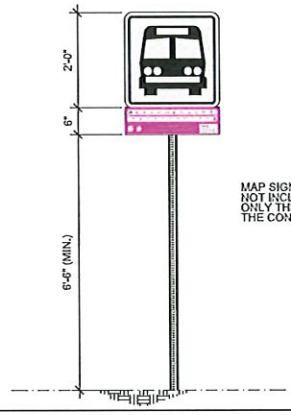


LOCATION PLAN
SCALE 1:20,000

18°24'13.55"N , 65° 6'55.18"W

AERIAL PHOTO
SCALE 1:1,000

GOOGLE EARTH
VERSION: 7.3.4.8542 PRO



MAP SIGN FABRICATION NOT INCLUDED IN THIS CONTRACT ONLY THE INSTALLATION BY THE CONTRACTOR

PROPOSED SIGN TYPE IV

NOT TO SCALE

LEGEND:

- PROP. SIGN TYPE I
- PROP. SIGN TYPE II
- PROP. SIGN TYPE III
- PROP. SIGN TYPE IV
- EXIST. SIGN
- PRIVA EXCLUSIVE LANE (AMA LANE)
- TRAFFIC DIRECTION

NOTES:

1. THE CONTRACTOR SHALL OBTAIN THE EXCAVATION, DEMOLITION AND PIPES PERMITTING FROM THE DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS PRIOR THE BEGINNING OF EACH WORK SITE DURING THE PROJECT.
2. THE CONTRACTOR SHALL CONSULT THE PROJECT ENGINEER BEFORE THE INSTALLATION OF EACH STRUCTURE.
3. THE CONTRACTOR SHALL REMOVED THE EXISTING SIGN AND TRAFFIC POST. THESE STRUCTURE SHALL BE DELIVER TO THE PRIVA PERSONNEL.
4. THE CONTRACTOR SHALL REMOVE THE EXISTING POST FOUNDATION.
5. THE CONTRACTOR SHALL INSTALL THE PROPOSED SIGN IN THE PLANTING AREA IN FRONT OF DEVIENTE POLE. REFER TO PLATE 10.
6. THE MINIMUM DISTANCE OF THE MATERIAL LOCATION OF THE EDGE OF THE SIGN TO THE EXISTING ROAD CURB SHALL BE 0.60 M.

Yo, Hernan E. Lopez Baez, Ingeniero Licenciado (FIGA) certifico que soy el profesional que conceptualizó, diseñó y preparó estos planos y las especificaciones complementarias. También certifico que conocen que dichos planos y especificaciones cumplen con las disposiciones aplicables del Reglamento Conjunto y las disposiciones aplicables de los Reglamentos y Codigos de Construcción Vigentes de las Agencias Juntas Reglamentarias o Corporaciones Públicas con Jurisdicción. Reconozco que cualquier deficiencia o Malfuncción de los mismos que se haya producido por desconocimiento o por negligencia ya sea por mi o de agentes o empleados o por otras personas con mi consentimiento, me hacen responsable de cualquier acción judicial y daños frente por la OGPe.

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HERNAN E. LOPEZ BAEZ
INGENIERO LICENCIADO
PUERTO RICO
HERNAN E. LOPEZ BAEZ, PE MEM
LIC. 18 SAPL

BUS STOP SIGNAGE PROJECT - PHASE 1
ROUTE 2 | BUS STOP #15

FROM BAYAMÓN TO SAGRADO CORAZÓN
HIGHWAY PR-2 BEFORE B ST.
MUNICIPALITY OF GUAYNABO

AUTORIDAD METROPOLITANA DE AUTOBUSES

METROPOLITAN BUS AUTHORITY
BOX 195349
SAN JUAN, PR 00919-5349

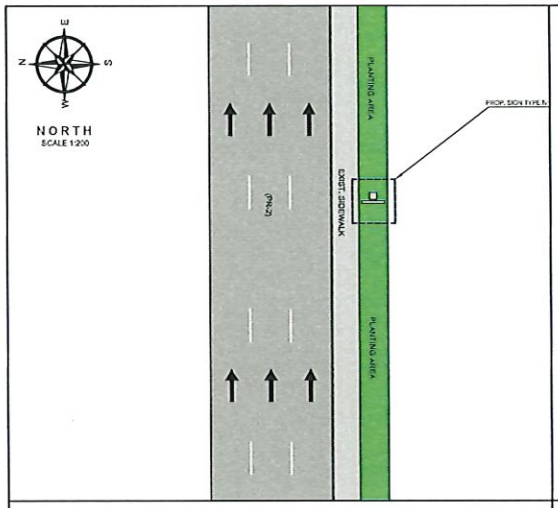
REVISION	
DATE: JUNE 2022	
CHECKED BY: BEV	DRAW BY: ABZ
DWG. TYPE: TS-1.15	SHEET NO. 21 OF 92

ROUTE 2 | BUS STOP #16

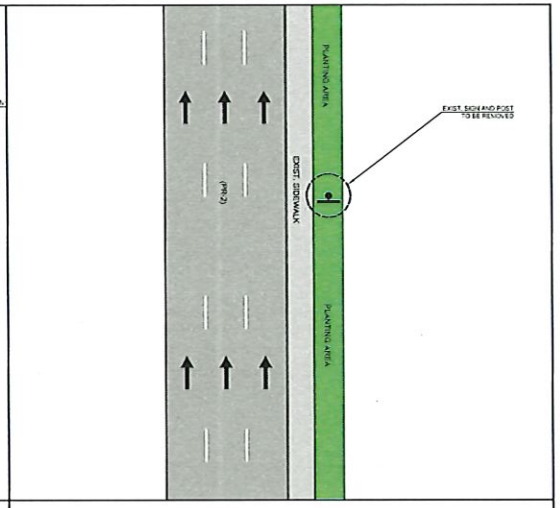
PHOTO - 1

PHOTO - 2

PHOTO - 3: PROPOSED SIGN LOCATION



PROPOSED IMPROVEMENTS - ROUTE 2 | B.S.#16



EXIST. CONDITIONS - ROUTE 2 | B.S.#16

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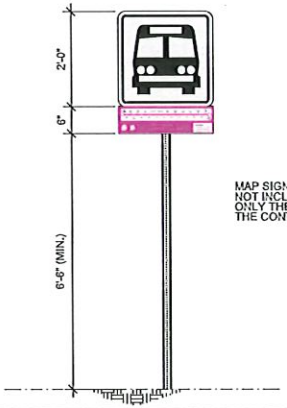
SCALE 1:200



MAP SIGN FABRICATION NOT INCLUDED IN THIS CONTRACT ONLY THE INSTALLATION BY THE CONTRACTOR

PROPOSED SIGN TYPE IV

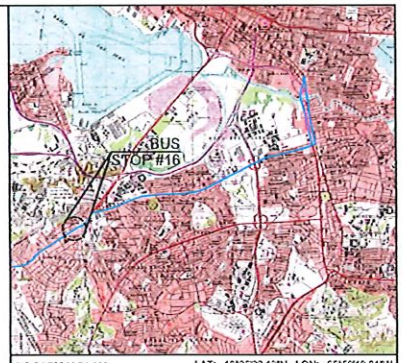
NOT TO SCALE

LEGEND:

- PROP. SIGN TYPE I
- PROP. SIGN TYPE II
- PROP. SIGN TYPE III
- PROP. SIGN TYPE IV
- EXIST. SIGN
- PRUEBA EXCLUSIVE LANE (AMA LANE)
- TRAFFIC DIRECTION

NOTES:

1. THE CONTRACTOR SHALL OBTAIN THE EXCAVATION, DEMOLITION AND PIPES PERMITTING FROM THE DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS PRIOR THE BEGINNING OF EACH WORK SITE DURING THE PROJECT.
2. THE CONTRACTOR SHALL CONSULT THE PROJECT ENGINEER BEFORE THE INSTALLATION OF EACH STRUCTURE.
3. THE CONTRACTOR SHALL REMOVED THE EXISTING SIGN AND TRAFFIC POST, THESE STRUCTURE SHALL BE DELIVER TO THE PRIMSA PERSONNEL.
4. THE CONTRACTOR SHALL REMOVE THE EXISTING POST FOUNDATION.
5. THE CONTRACTOR SHALL INSTALL THE PROPOSED SIGN IN THE PLANTING AREA AVOID THE TREES ROOTS, REFER TO PLATO 03.
6. THE MINIMUM DISTANCE OF THE LATERAL LOCATION OF THE EDGE OF THE SIGN TO THE EXISTING ROAD CURB SHALL BE 0.60 M.



LOCATION PLAN
SCALE 1:20,000

LAT: 18°25'22.13"N , LON: 65°59'19.81"W

AERIAL PHOTO
SCALE 1:1,000

GOOGLE EARTH
VERSION: 7.3.4.8642 PRO

Yo, Hernan E. Lopez Baez, Ingeniero Licencia 18194, certifico que soy el profesional que confeccionó, diseñó y/o preparó estos planos y las especificaciones correspondientes. También certifico que estimo que dichos planos y especificaciones cumplen con las disposiciones aplicables del Reglamento Conjunto y las disposiciones aplicables de los Reglamentos y Códigos de Construcción y Normas de los Negocios, Junta Reglamentadora de Corporaciones Públicas con Jurisdicción. Reconozco que cualquier declaración falsa o falsificación de los hechos que se haya producido por desconocimiento o por negligencia, ya sea por mí, mis agentes o empleados, o por otras personas con mi conocimiento, me hacen responsable de cualquier acción judicial y disciplinaria por la OCPR.

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HERNAN E. LOPEZ BAEZ
INGENIERO LICENCIADO
PUERTO RICO
HERNAN E. LOPEZ BAEZ, PE MEM
LIC. # 18194

BUS STOP SIGNAGE PROJECT - PHASE 1
ROUTE 2 | BUS STOP #16

FROM BAYAMÓN TO SAGRADO CORAZÓN
HIGHWAY PR-2 AFTER B ST.
MUNICIPALITY OF GUAYNABO

AUTORIDAD METROPOLITANA DE AUTOBUSES

METROPOLITAN BUS AUTHORITY
BOX 195349
SAN JUAN, PR 00919-5349

REVISION	
DATE: JUNE 2022	
CHECKED BY: BEV	DRAW BY: ABZ
DWG. TYPE: TS-1.16	SHEET NO. 22 OF 92

ROUTE 2 | BUS STOP #17

PHOTO - 1

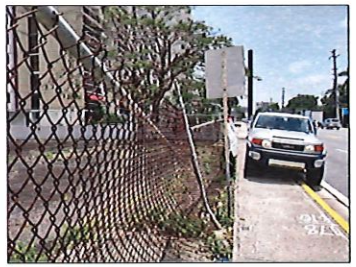
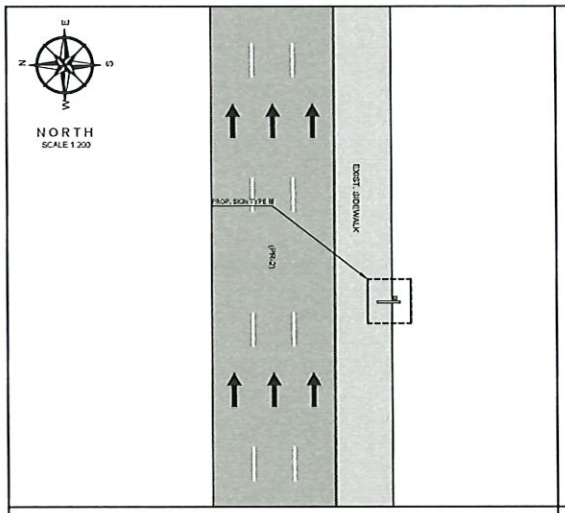
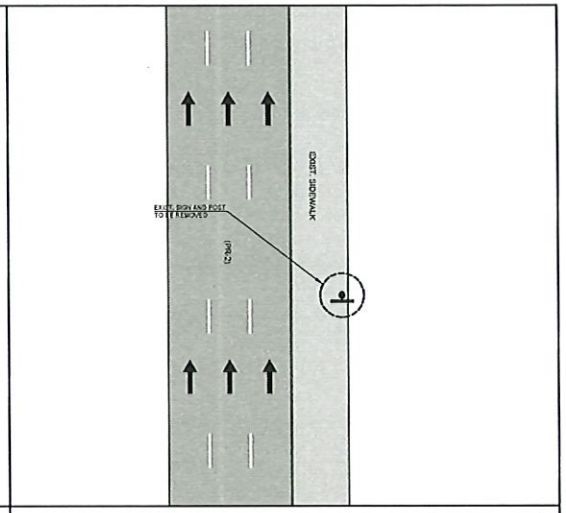


PHOTO - 2

PHOTO - 3: PROPOSED SIGN LOCATION



PROPOSED IMPROVEMENTS - ROUTE 2 | B.S.#17



EXIST. CONDITIONS - ROUTE 2 | B.S.#17

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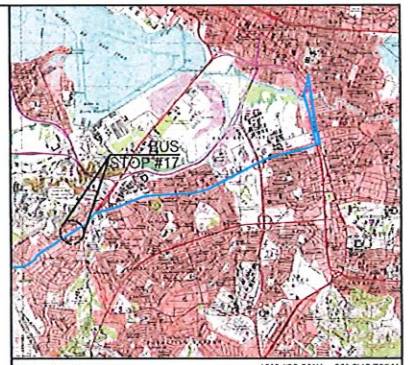
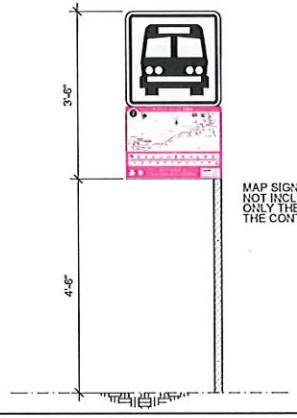
SCALE 1:200



LOCATION PLAN
SCALE 1:20,000
18°24'22.09"N , 66° 6'40.73"W

AERIAL PHOTO
SCALE 1:1,000
GOOGLE EARTH
VERSION: 7.3.4.8642 PRO



MAP SIGN FABRICATION NOT INCLUDED IN THIS CONTRACT ONLY THE INSTALLATION BY THE CONTRACTOR

PROPOSED SIGN TYPE III

NOT TO SCALE

LEGEND:

- PROP. SIGN TYPE I
- PROP. SIGN TYPE II
- PROP. SIGN TYPE III
- PROP. SIGN TYPE IV
- EXIST. SIGN
- PRMBA EXCLUSIVE LANE (AMA LANE)
- TRAFFIC DIRECTION

NOTES:

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2. THE CONTRACTOR SHALL CONSULT THE PROJECT ENGINEER BEFORE THE INSTALLATION OF EACH STRUCTURE.
3. THE CONTRACTOR SHALL REMOVES THE EXISTING SIGN AND TRAFFIC POST. THESE STRUCTURE SHALL BE DELIVER TO THE PRMBA PERSONNEL.
4. THE CONTRACTOR SHALL REMOVE THE EXISTING POST FOUNDATION.
5. THE CONTRACTOR SHALL INSTALL THE PROPOSED CANTILEVER SIGN IN THE SIDEWALK AREA, REFER TO PHOTO #3.
6. THE MINIMUM DISTANCE OF THE LATERAL LOCATION OF THE EDGE OF THE SIGN TO THE EXISTING ROAD OUTS SHALL BE 0.50 M.

Yo, Hernan E. López Báez, Ingeniero licencia 18154, certifico que soy el profesional que confeccionó, diseñó y preparó estos planos y las especificaciones compleméntarias. También certifico que enfiendo que dichos planos y especificaciones cumplen con las disposiciones aplicables del Reglamento Conjunto y las disposiciones aplicables de los Reglamentos y Códigos de Construcción Vigentes de las Agencias, Juntas Reglamentarias o Corporaciones Públicas con jurisdicción. Reconozco que cualquier declaración falsa o falsificación de los hechos que se haya producido por desconocimiento o por negligencia que sea por mí, mis agentes o empleados, o por otras personas por mí consentidas me hacen responsable de cualquier acción judicial y disciplinaria por la OGPe.

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HERNAN E. LOPEZ BAEZ
INGENIERO LICENCIADO
PUERTO RICO
HERNAN E. LOPEZ BAEZ, PE MEM
LIC. 18154PE

BUS STOP SIGNAGE PROJECT - PHASE 1
ROUTE 2 | BUS STOP #17

FROM BAYAMÓN TO SAGRADO CORAZÓN
HIGHWAY PR-2 BEFORE OPPOSITE SIDE OF MILLÁN ST.
MUNICIPALITY OF GUAYNABO

AUTORIDAD METROPOLITANA DE AUTOBUSES

METROPOLITAN BUS AUTHORITY
BOX 195349
SAN JUAN, PR 00919-5349

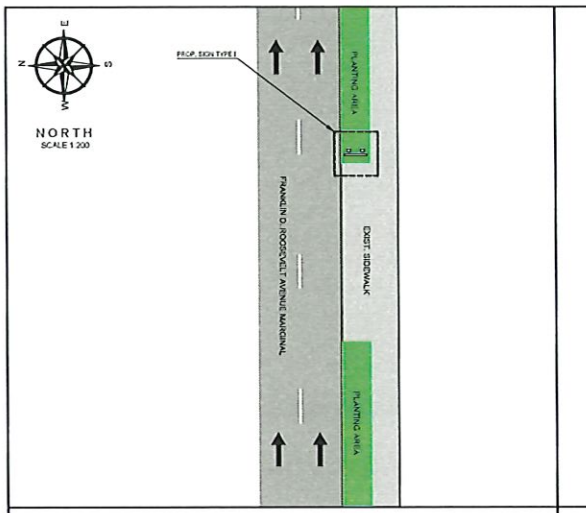
REVISION	
DATE JUNE 2022	
CHECKED BY BEV	DRAW BY ABZ
DWG. TYPE TS-1.17	SHEET NO. 23 OF 92

ROUTE 2 | BUS STOP #18

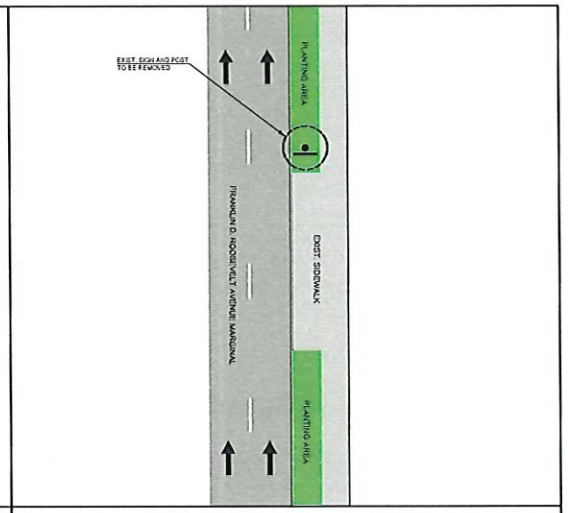
PHOTO - 1

PHOTO - 2

PHOTO - 3: PROPOSED SIGN LOCATION



PROPOSED IMPROVEMENTS - ROUTE 2 | B.S.#18



EXIST. CONDITIONS - ROUTE 2 | B.S.#18

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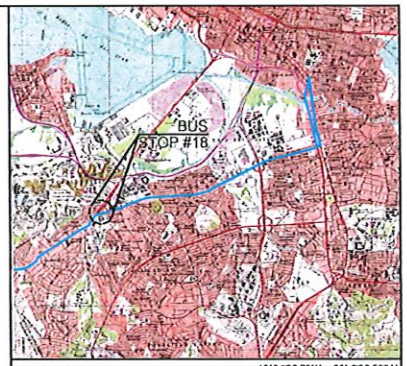
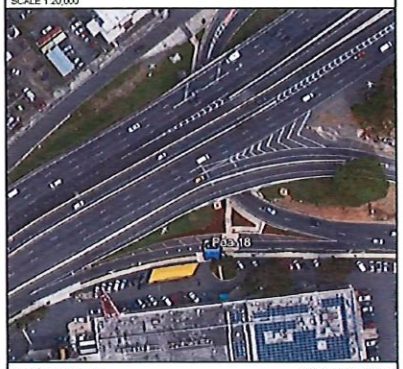
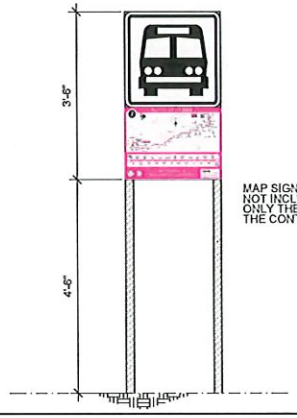
SCALE 1:200



LOCATION PLAN
SCALE 1:20,000
18°24'36.72"N , 66° 6'20.53"W



AERIAL PHOTO
SCALE 1:1,000
GOOGLE EARTH
VERSION 7.3.4.8642 PRO



MAP SIGN FABRICATION NOT INCLUDED IN THIS CONTRACT ONLY THE INSTALLATION BY THE CONTRACTOR

PROPOSED SIGN TYPE I

NOT TO SCALE

LEGEND:

- PROP. SIGN TYPE I
- PROP. SIGN TYPE II
- PROP. SIGN TYPE III
- PROP. SIGN TYPE IV
- EXIST. SIGN
- PRIMBA EXCLUSIVE LANE (AMA LANE)
- TRAFFIC DIRECTION

NOTES:

1. THE CONTRACTOR SHALL OBTAIN THE EXCAVATION, DEMOLITION AND PIPES PERMITTING FROM THE DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS PRIOR THE BEGINING OF EACH WORK SITE DURING THE PROJECT.
2. THE CONTRACTOR SHALL CONSULT THE PROJECT ENGINEER BEFORE THE INSTALLATION OF EACH STRUCTURE.
3. THE CONTRACTOR SHALL REMOVED THE EXISTING SIGN AND TRAFFIC POST. THESE STRUCTURE SHALL BE DELIVER TO THE PRIMBA PERSONNEL.
4. THE CONTRACTOR SHALL REMOVE THE EXISTING POST FOUNDATION.
5. THE CONTRACTOR SHALL INSTALL THE PROPOSED SIGN IN THE PLANTING AREA, BEFORE THE TREE WAS REMOVED. REFER TO PHOTO #3.
6. THE MINIMUM DISTANCE OF THE LATERAL LOCATION OF THE EDGE OF THE SIGN TO THE EXISTING ROAD CURB SHALL BE 0.50 M.

Yo Hernan E. Lopez Baez, Ingeniero licencia 18154, certifico que soy el profesional que confeccionó, diseñó y preparó estos planos y las especificaciones complementarias. También certifico que estimo que dichos planos y especificaciones cumplen con las disposiciones aplicables del Reglamento Conjunto y las disposiciones aplicables de los Reglamentos y Códigos de Construcción vigentes de las Agencias, Juntas Reglamentadoras y Corporaciones Públicas con jurisdicción. Reconozco que cualquier declaración falsa o falsificación de los hechos que se haya producido por desconocimiento o por negligencia que sea por mí, mis agentes o empleados, o por otras personas con mi consentimiento me hacen responsable de cualquier acción judicial y disciplinaria por la OGPe.

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PO Box 3040, PMB 427
Guaynabo, PR 00778
TEL. (787) 649-6200 | LOPEZBAEZ@ENZOGROUPLLC.ORG

HERNAN E. LOPEZ BAEZ, PE MEM
LIC. 18154PE

BUS STOP SIGNAGE PROJECT - PHASE 1
ROUTE 2 | BUS STOP #18

FROM BAYAMÓN TO SAGRADO CORAZÓN
MARGINAL FRANKLIN D. ROOSEVELT AVENUE
BEFORE SAN PATRICIO AVENUE MUNICIPALITY OF GUAYNABO

AUTORIDAD METROPOLITANA DE AUTOBUSES

METROPOLITAN BUS AUTHORITY
BOX 195349
SAN JUAN, PR 00919-5349

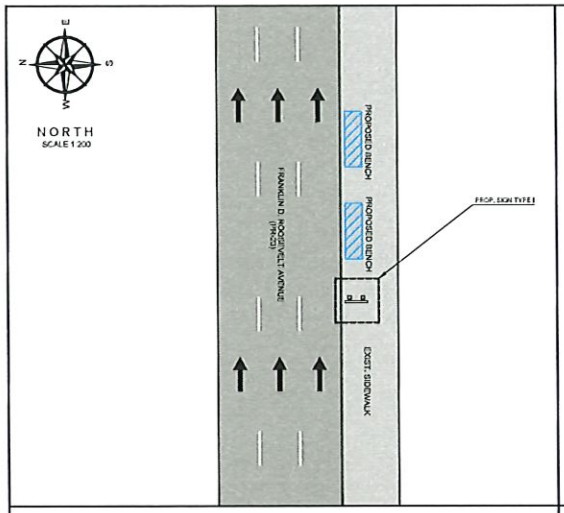
REVISION	
DATE: JUNE 2022	
CHECKED BY: BEV	DRAWN BY: ABZ
DWG. TYPE: TS-1.18	SHEET NO. 24 OF 92

ROUTE 2 | BUS STOP #19

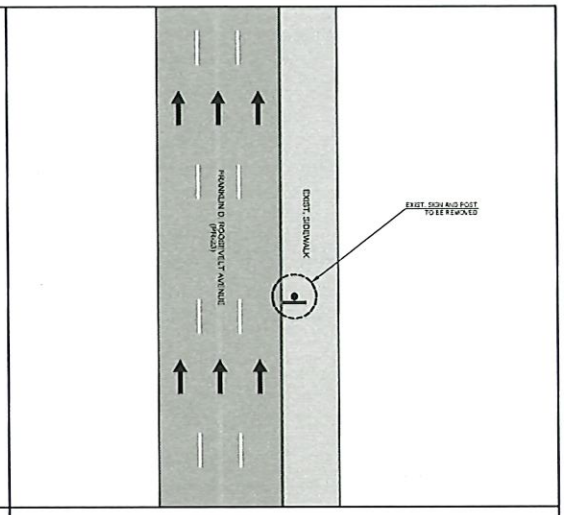
PHOTO - 1

PHOTO - 2

PHOTO - 3: PROPOSED SIGN LOCATION

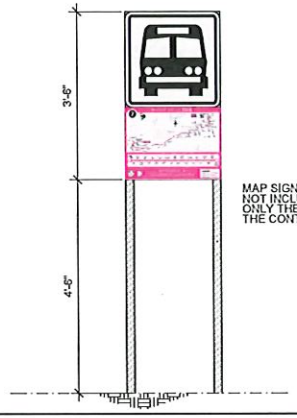


PROPOSED IMPROVEMENTS - ROUTE 2 | B.S.#19



EXIST. CONDITIONS - ROUTE 2 | B.S.#19

2.5 0 5 15
SCALE 1:200



MAP SIGN FABRICATION NOT INCLUDED IN THIS CONTRACT ONLY THE INSTALLATION BY THE CONTRACTOR

PROPOSED SIGN TYPE I

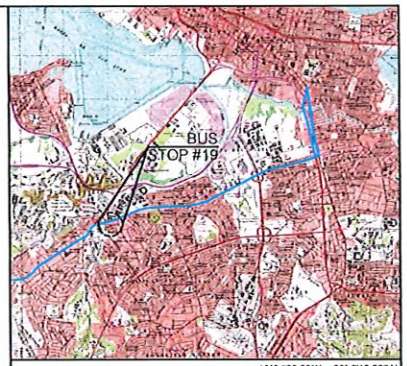
NOT TO SCALE

LEGEND:

- PROP. SIGN TYPE I
- PROP. SIGN TYPE II
- PROP. SIGN TYPE III
- PROP. SIGN TYPE IV
- EXIST. SIGN
- FRMBA EXCLUSIVE LANE (AMA LANE)
- TRAFFIC DIRECTION
- PROPOSED BENCH

NOTES:

1. THE CONTRACTOR SHALL OBTAIN THE EXCAVATION, DEMOLITION AND PIPES PERMITTING FROM THE DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS PRIOR THE BEGINNING OF EACH WORK SITE DURING THE PROJECT.
2. THE CONTRACTOR SHALL CONSULT THE PROJECT ENGINEER BEFORE THE INSTALLATION OF EACH STRUCTURE.
3. THE CONTRACTOR SHALL REMOVED THE EXISTING SIGN AND TRAFFIC POST. THESE STRUCTURE SHALL BE DELIVER TO THE FRMBA PERSONNEL.
4. THE CONTRACTOR SHALL REMOVE THE EXISTING POST FOUNDATION.
5. THE CONTRACTOR SHALL INSTALL TWO BENCHES IN FRONT OF THE PROPOSED SIGN, REFER TO PHOTO #3.
6. THE MINIMUM DISTANCE OF THE LATERAL LOCATION OF THE EDGE OF THE SIGN TO THE EXISTING ROAD OUR SHALL BE 8.50 M.
7. THE CONTRACTOR SHALL INSTALL THE PROPOSED SIGN IN THE SIDEWALK AREA, REFER TO PHOTO #3.



LOCATION PLAN
SCALE 1:20,000
18°24'38.03"N , 66° 6'13.50"W

AERIAL PHOTO
SCALE 1:1,000
GOOGLE EARTH
VERSION: 7.3.4.8642 PRO

Yo, Hernan E. Lopez Baez, Ingeniero, licencia 18-54, certifico que soy el profesional que confeccionó, diseñó y preparó estos planos y las especificaciones compleementarias. También certifico que entiendo que dichos planos y especificaciones cumplen con las disposiciones aplicables del Reglamento Conjunto y las disposiciones aplicables de las Reglamentos y Código de Construcción Vigente de las Agencias, Juntas Reglamentarias o Corporaciones Públicas con jurisdicción. Reconozco que cualquier declaración falsa o falsificación de los hechos que se haya producido por desconocimiento o por negligencia ya sea por mí, mis agentes o empleados, o por otras personas con mi consentimiento, me hacen responsable de cualquier acción judicial y disciplinaria por la OGPe.

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Guaraba, PR 00778
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HERNAN E. LOPEZ BAEZ
INGENIERO
LICENCIADO
PUERTO RICO

HERNAN E. LOPEZ BAEZ, PE MEM
LIC. 18-54PE

BUS STOP SIGNAGE PROJECT - PHASE 1
ROUTE 2 | BUS STOP #19

FROM BAYAMÓN TO SAGRADO CORAZÓN
FRANKLIN D. ROOSEVELT AVENUE AFTER SAN PATRICIO AVENUE
MUNICIPALITY OF GUAYNABO

AUTORIDAD METROPOLITANA DE AUTOBUSES

METROPOLITAN BUS AUTHORITY
BOX 195349
SAN JUAN, PR 00919-5349

REVISION	
DATE: JUNE 2022	
CHECKED BY: BEV	DRAW BY: ABZ
DWG. TYPE: TS-1.19	SHEET NO. 25 OF 92

ROUTE 2 | BUS STOP #20

PHOTO - 1

PHOTO - 2

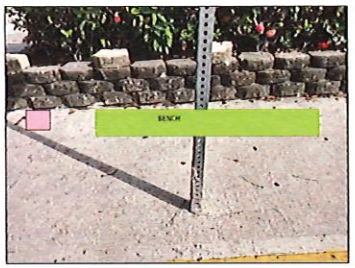
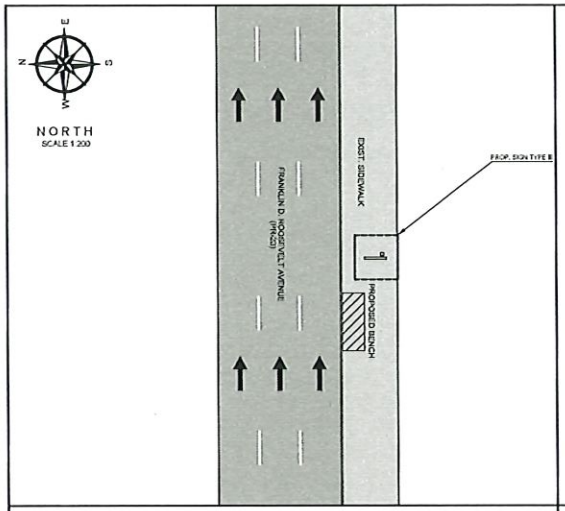
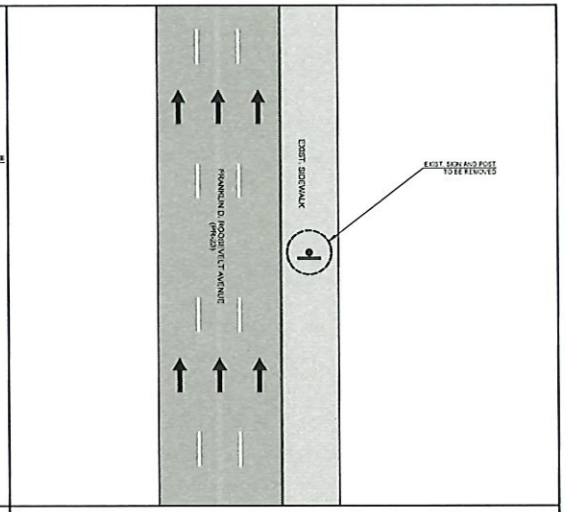


PHOTO - 3: PROPOSED SIGN LOCATION

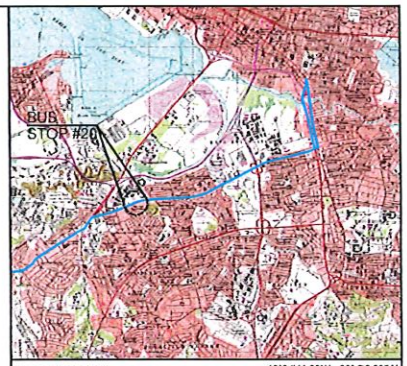


PROPOSED IMPROVEMENTS - ROUTE 2 | B.S.#20



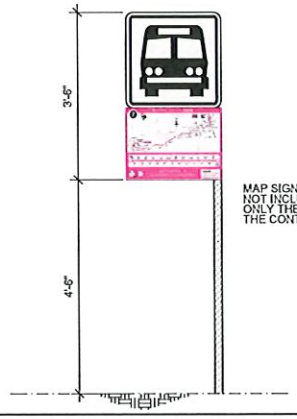
EXIST. CONDITIONS - ROUTE 2 | B.S.#20

2.5 0 5 15
SCALE 1:200



LOCATION PLAN
SCALE 1:20,000
18°24'41.60"N , 66° 6'0.69"W

AERIAL PHOTO
SCALE 1:1,000
GOOGLE EARTH
VERSION: 7.3.4.8642 PRO



MAP SIGN FABRICATION NOT INCLUDED IN THIS CONTRACT ONLY THE INSTALLATION BY THE CONTRACTOR

PROPOSED SIGN TYPE III

NOT TO SCALE

LEGEND:

- PROP. SIGN TYPE I
- PROP. SIGN TYPE II
- PROP. SIGN TYPE III
- PROP. SIGN TYPE IV
- EXIST. SIGN
- PRIMBA EXCLUSIVE LANE (AMA LANE)
- TRAFFIC DIRECTION
- PROPOSED BENCH

NOTES:

1. THE CONTRACTOR SHALL OBTAIN THE EXCAVATION, DEMOLITION AND PIPES PERMITTING FROM THE DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS PRIOR THE BEGINNING OF EACH WORK SITE DURING THE PROJECT.
2. THE CONTRACTOR SHALL CONSULT THE PROJECT ENGINEER BEFORE THE INSTALLATION OF EACH STRUCTURE.
3. THE CONTRACTOR SHALL REMOVES THE EXISTING SIGN AND TRAFFIC POST. THESE STRUCTURE SHALL BE DELIVER TO THE PRIMBA PERSONNEL.
4. THE CONTRACTOR SHALL REMOVE THE EXISTING POST FOUNDATION.
5. THE CONTRACTOR SHALL INSTALL THE PROPOSED SIGN AND BENCH IN THE SIDEWALK AREA, REFER TO PHOTO #3.
6. THE MINIMUM DISTANCE OF THE LATERAL LOCATION OF THE EDGE OF THE SIGN TO THE EXISTING ROAD DURE SHALL BE 0.60 M.

Yo, Hernan E. López Báez, Ingeniero, licencia 18154, certifico que soy el profesional que confeccionó, diseñó y preparó estos planos y las especificaciones complementarias. También certifico que entiendo que dichos planos y especificaciones cumplen con las disposiciones aplicables del Reglamento Conjunto y las disposiciones aplicables de los Reglamentos y Código de Construcción Vigentes de las Agencias, Juntas Reglamentadoras o Corporaciones Públicas con jurisdicción. Renuncio que cualquier dedicación falsa o falsificación de los hechos que se haya producido por desconocimiento o por negligencia ya sea por mí, mis agentes o empleados, o por otras personas con mi consentimiento me hacen responsable de cualquier acción judicial y disciplinaria por la OGPe.

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HERNAN E. LOPEZ BAEZ
INGENIERO
LICENCIADO
PUERTO RICO
HERNAN E. LOPEZ BAEZ, PE MEM
LIC. 18154PE

BUS STOP SIGNAGE PROJECT - PHASE 1
ROUTE 2 | BUS STOP #20

FROM BAYAMÓN TO SAGRADO CORAZÓN
FRANKLIN D. ROOSEVELT AVENUE BEFORE ESCORIAL AVENUE
MUNICIPALITY OF GUAYNABO

AUTORIDAD METROPOLITANA DE AUTOBUSES

METROPOLITAN BUS AUTHORITY
BOX 195349
SAN JUAN, PR 00919-5349

REVISION	
DATE JUNE 2022	
CHECKED BY BEV	DRAW BY ABZ
DWG. TYPE TS-1.20	SHEET NO. 26 OF 92

ROUTE 2 | BUS STOP #21

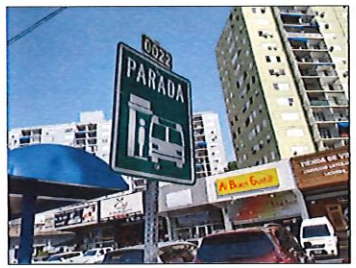
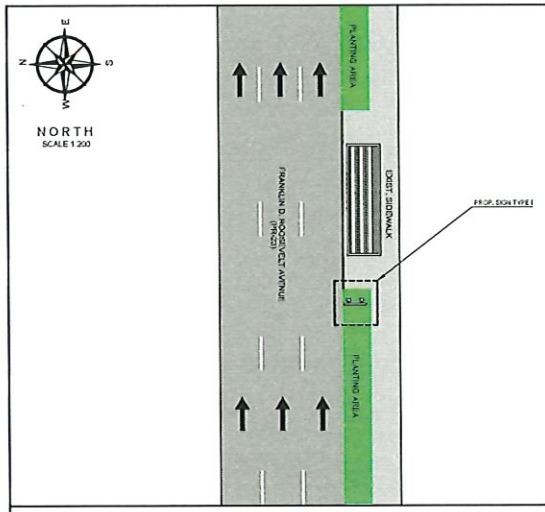


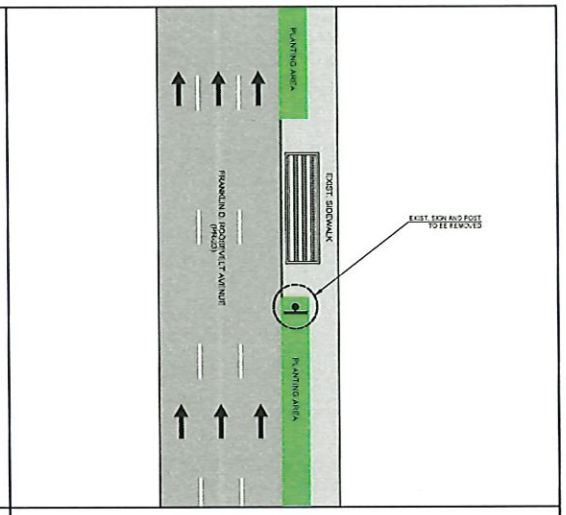
PHOTO - 1

PHOTO - 2

PHOTO - 3: PROPOSED SIGN LOCATION

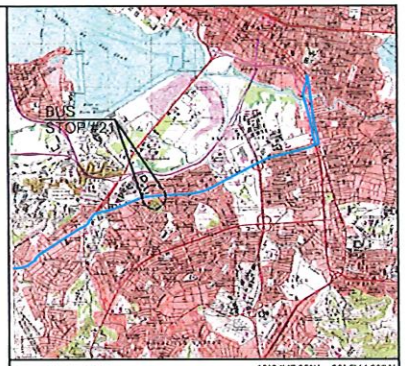


PROPOSED IMPROVEMENTS - ROUTE 2 | B.S.#21



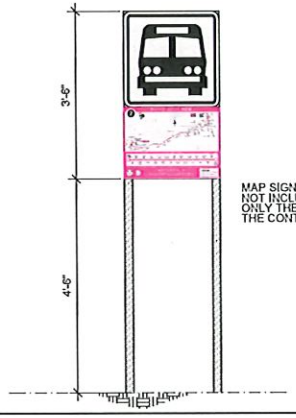
EXIST. CONDITIONS - ROUTE 2 | B.S.#21

2.5 0 5 15
SCALE 1:200



LOCATION PLAN 18°24'47.55"N , 66° 5'44.09"W
SCALE 1:20,000

AERIAL PHOTO GOOGLE EARTH
SCALE 1:1,000 VERSION: 7.3.4.8642 PRO



MAP SIGN FABRICATION NOT INCLUDED IN THIS CONTRACT ONLY THE INSTALLATION BY THE CONTRACTOR

PROPOSED SIGN TYPE I NOT TO SCALE

LEGEND:

- PROP. SIGN TYPE I
- PROP. SIGN TYPE II
- PROP. SIGN TYPE III
- PROP. SIGN TYPE IV
- EXIST. SIGN
- PRIMA EXCLUSIVE LANE (AMA LANE)
- TRAFFIC DIRECTION

NOTES:

1. THE CONTRACTOR SHALL OBTAIN THE EXCAVATION, DEMOLITION AND FIRES PERMITTING FROM THE DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS PRIOR THE BEGINNING OF EACH WORK SITE DURING THE PROJECT.
2. THE CONTRACTOR SHALL CONSULT THE PROJECT ENGINEER BEFORE THE INSTALLATION OF EACH STRUCTURE.
3. THE CONTRACTOR SHALL REMOVED THE EXISTING SIGN AND TRAFFIC POST, THESE STRUCTURE SHALL BE DELIVER TO THE PRIMA PERSONNEL.
4. THE CONTRACTOR SHALL REMOVE THE EXISTING POST FOUNDATION.
5. THE MINIMUM DISTANCE OF THE LATERAL LOCATION OF THE EDGE OF THE SIGN TO THE EXISTING ROAD CURB SHALL BE 0.60 M.
6. THE CONTRACTOR SHALL INSTALL THE PROPOSED SIGN IN THE PLANTING AREA, REFER TO PHOTO #3.

Yo, Hernan E. Lopez Baez, Ingeniero licencia 18154, certifico que soy el profesional que confeccione, diseñe y prepare estos planos y las especificaciones complementarias. También certifico que entiendo que dichos planos y especificaciones cumplen con las disposiciones aplicables del Reglamento Conjunto y las disposiciones aplicables de los Reglamentos y Códigos de Construcción vigentes de las Agencias, Juntas Reglamentadoras o Corporaciones Públicas con jurisdicción. Reconozco que cualquier deficiencia falsa o falsificación de los hechos que se haya producido por desconocimiento o por negligencia ya sea por mí, mis agentes o empleados, o por otras personas con mi conocimiento, me hacen responsable de cualquier acción judicial y disciplinaria por la OGPe.

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Gurabo, PR 00778
TEL. (787) 649-6200 | LOPEZBAEZ@ENZOGROUPLLC.ORG

HERNAN E. LOPEZ BAEZ, PE MEM
LIC. 18154PE

BUS STOP SIGNAGE PROJECT - PHASE 1
ROUTE 2 | BUS STOP #21

FROM BAYAMÓN TO SAGRADO CORAZÓN
FRANKLIN D. ROOSEVELT AVE. OPPOSITE SIDE OF MATADERO ST.
MUNICIPALITY OF SAN JUAN

AUTORIDAD METROPOLITANA DE AUTOBUSES

METROPOLITAN BUS AUTHORITY
BOX 195349
SAN JUAN, PR 00919-5349

REVISION	
DATE: JUNE 2022	
CHECKED BY: BEV	DRAW BY: ABZ
DWG. TYPE: TS-1.21	SHEET NO. 27 OF 92

ROUTE 2 | BUS STOP #22

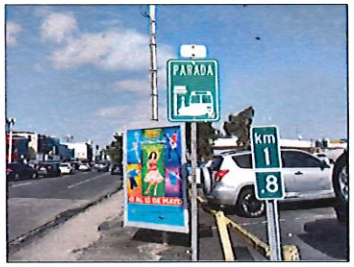
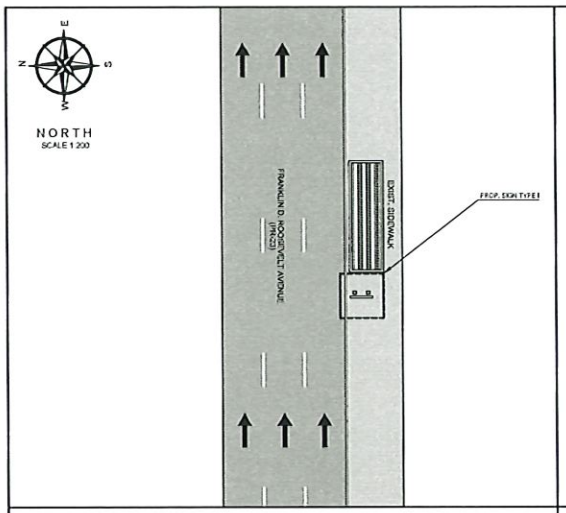


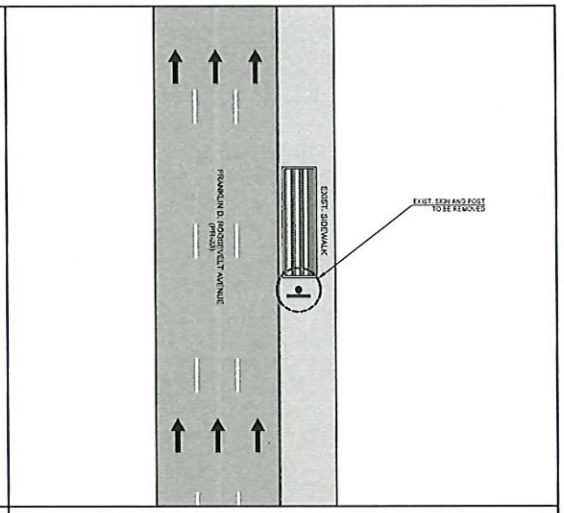
PHOTO - 1

PHOTO - 2

PHOTO - 3: PROPOSED SIGN LOCATION

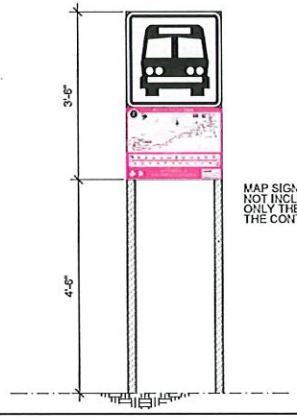


PROPOSED IMPROVEMENTS - ROUTE 2 | B.S.#22



EXIST. CONDITIONS - ROUTE 2 | B.S.#22

2.5 0 5 15
SCALE 1:200



MAP SIGN FABRICATION NOT INCLUDED IN THIS CONTRACT ONLY THE INSTALLATION BY THE CONTRACTOR

PROPOSED SIGN TYPE I

NOT TO SCALE

LEGEND:

- PROP. SIGN TYPE I
- PROP. SIGN TYPE II
- PROP. SIGN TYPE III
- PROP. SIGN TYPE IV
- EXIST. SIGN
- FRMBA EXCLUSIVE LANE (AMA LANE)
- TRAFFIC DIRECTION

NOTES:

1. THE CONTRACTOR SHALL OBTAIN THE EXCAVATION, DEMOLITION AND PIPES PERMITTING FROM THE DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS PRIOR THE BEGINNING OF EACH WORK SITE DURING THE PROJECT.
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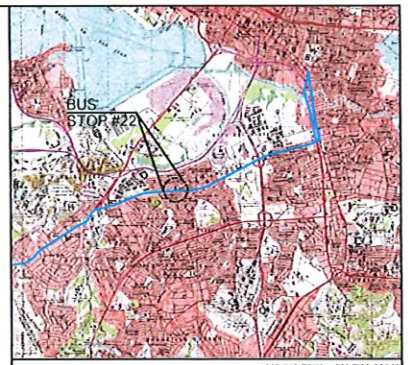
4. THE CONTRACTOR SHALL REMOVE THE EXISTING POST FOUNDATION.
5. THE MINIMUM DISTANCE OF THE LATERAL LOCATION OF THE EDGE OF THE SIGN TO THE EXISTING ROAD CURB SHALL BE 0.60 M.
6. THE CONTRACTOR SHALL INSTALL THE PROPOSED SIGN IN THE SIDEWALK AREA, REFER TO PHOTO #3.



LOCATION PLAN
SCALE 1:20,000
18°24'48.79"N , 66° 5'22.28"W

AERIAL PHOTO
SCALE 1:1,000
GOOGLE EARTH
VERSION: 7.3.4.86.42 PRO

Yo, Hernan E. Lopez Baez, Ingeniero, licencia 18154, certifico que soy el profesional que conceptualizó, diseñó y preparó estos planos y las especificaciones complementarias. También certifico que entiendo que dichos planos y especificaciones cumplen con las disposiciones aplicables del Reglamento Conjunto y las disposiciones aplicables de los Reglamentos y Código de Construcción Vigentes de las Agencias, Juntas Reglamentadoras o Corporaciones Públicas con jurisdicción. Reconozco que cualquier declaración falsa o falsificación de los hechos que se haya producido por desconocimiento o por negligencia, ya sea por mí, mis agentes o empleados, o por otras personas con mi consentimiento, me hacen responsable de cualquier acción judicial y disciplinaria por la OGPe.

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HERNAN E. LOPEZ BAEZ, PE MEM
LIC. 18154PE

BUS STOP SIGNAGE PROJECT - PHASE 1
ROUTE 2 | BUS STOP #22

FROM BAYAMÓN TO SAGRADO CORAZÓN
FRANKLIN D. ROOSEVELT AVENUE BEFORE DE DIEGO AVE.
MUNICIPALITY OF SAN JUAN

AUTORIDAD METROPOLITANA DE AUTOBUSES

METROPOLITAN BUS AUTHORITY
BOX 195349
SAN JUAN, PR 00919-5349

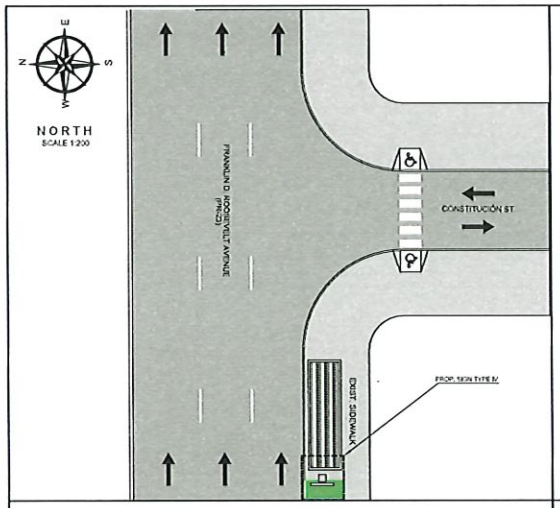
REVISION	
DATE: JUNE 2022	
CHECKED BY: BEV	DRAW BY: ABZ
DWG. TYPE: TS-1.22	SHEET NO. 28 OF 92

ROUTE 2 | BUS STOP #23

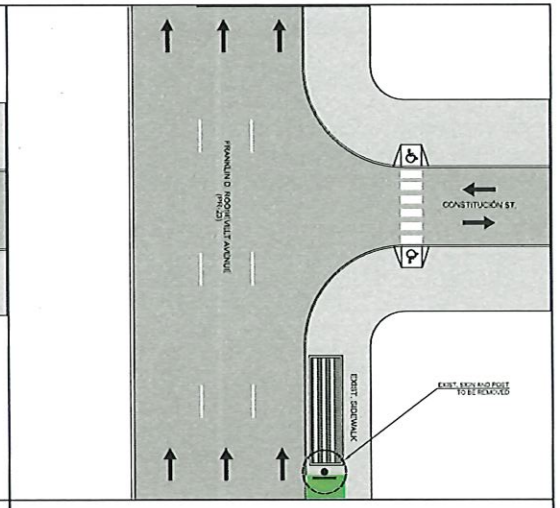
PHOTO - 1

PHOTO - 2

PHOTO - 3: PROPOSED SIGN LOCATION

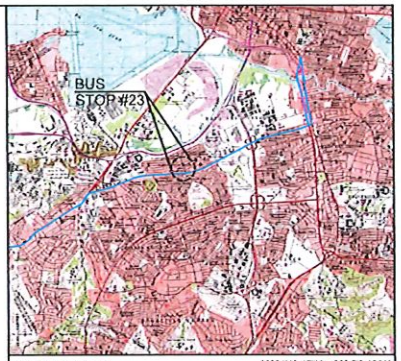


PROPOSED IMPROVEMENTS - ROUTE 2 | B.S.#23



EXIST. CONDITIONS - ROUTE 2 | B.S.#23

2.5 0 5 15
SCALE 1:200

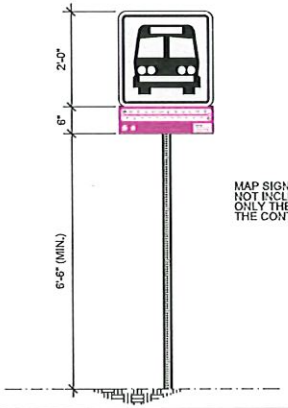


LOCATION PLAN
SCALE 1:20,000

18°24'49.47"N , 66° 5'8.42"W

AERIAL PHOTO
SCALE 1:1,000

GOOGLE EARTH
VERSION: 7.3.4.8542 PRO



MAP SIGN FABRICATION NOT INCLUDED IN THIS CONTRACT ONLY THE INSTALLATION BY THE CONTRACTOR

PROPOSED SIGN TYPE IV

NOT TO SCALE

LEGEND:

- PROP. SIGN TYPE I
- PROP. SIGN TYPE II
- PROP. SIGN TYPE III
- PROP. SIGN TYPE IV
- EXIST. SIGN
- PRUEBA EXCLUSIVE LANE (AMA LANE)
- TRAFFIC DIRECTION

NOTES:

1. THE CONTRACTOR SHALL OBTAIN THE EXCAVATION, DEMOLITION AND PERMITS PERMITTING FROM THE DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS PRIOR THE BEGINNING OF EACH WORK SITE DURING THE PROJECT.
2. THE CONTRACTOR SHALL CONSULT THE PROJECT ENGINEER BEFORE THE INSTALLATION OF EACH STRUCTURE.
3. THE CONTRACTOR SHALL REMOVED THE EXISTING SIGN AND TRAFFIC POST. THESE STRUCTURE SHALL BE DELIVER TO THE PRIMSA PERSONNEL.
4. THE CONTRACTOR SHALL REMOVE THE EXISTING POST FOUNDATION.
5. THE MINIMUM DISTANCE OF THE LATERAL LOCATION OF THE EDGE OF THE SIGN TO THE EXISTING ROAD CURB SHALL BE 0.61 M.
6. THE CONTRACTOR SHALL INSTALL THE PROPOSED SIGN IN THE PLANTING AREA. REFER TO PHOTO #3.

Yo, Hernan E. Lopez Baez, Ingeniero licencia 18134, certifico que soy el profesional que profesional, diseñe y preparé estos planos y las especificaciones completas. También certifico que ordenaré que estos planos y especificaciones cumplan con las disposiciones aplicables del Reglamento Conjunto y las disposiciones aplicables de los Reglamentos y Códigos de Construcción Vigentes de las Agencias, Juntas, Reglamentadoras o Corporaciones Públicas con Jurisdicción. Reconozco que cualquier declaración falsa o falsificación de los hechos que se haya producido por desconocimiento o por negligencia, sea por mí, mis agentes o empleados, o por otras personas por mí consultadas, me hacen responsable de cualquier acción judicial y disciplinaria por la OGPe.

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PO Box 3040, PMB 427
Guaraba, PR 00778
TEL. (787) 649-6200 | LOPEZBAEZ@ENZOGROUPLLC.ORG

HERNAN E. LOPEZ BAEZ, PE MEM
LIC. 18134E

BUS STOP SIGNAGE PROJECT - PHASE 1
ROUTE 2 | BUS STOP #23

FROM BAYAMÓN TO SAGRADO CORAZÓN
FRANKLIN D. ROOSEVELT AVENUE BEFORE CONSTITUCIÓN ST.
MUNICIPALITY OF SAN JUAN

AUTORIDAD METROPOLITANA DE AUTOBUSES

METROPOLITAN BUS AUTHORITY
BOX 195349
SAN JUAN, PR 00919-5349

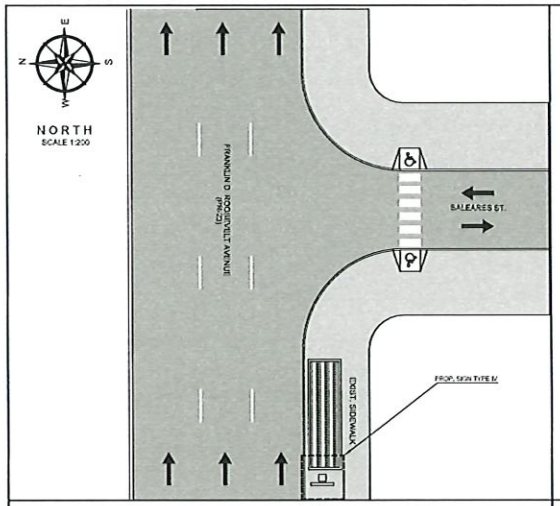
REVISION	
DATE: JUNE 2022	
CHECKED BY: BEV	DRAW BY: ABZ
DWG. TYPE: TS-1.23	SHEET NO. 29 OF 92

ROUTE 2 | BUS STOP #24

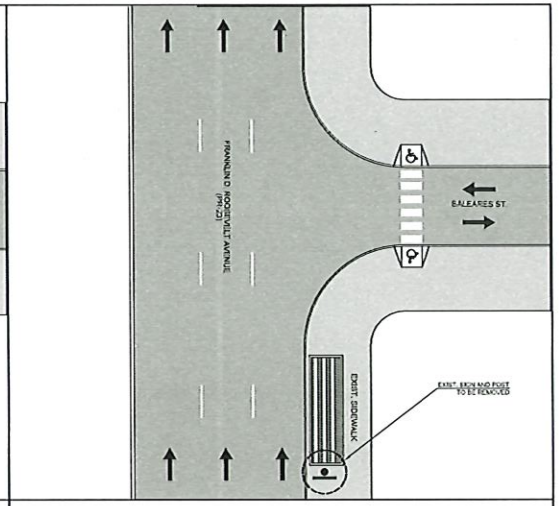
PHOTO - 1

PHOTO - 2

PHOTO - 3: PROPOSED SIGN LOCATION

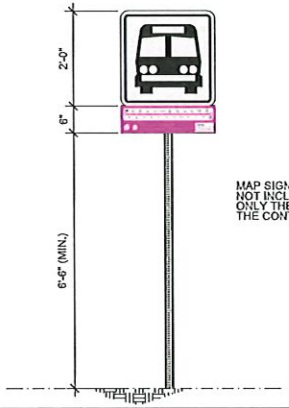


PROPOSED IMPROVEMENTS - ROUTE 2 | B.S.#24



EXIST. CONDITIONS - ROUTE 2 | B.S.#24

2.5 0 5 15
SCALE 1:200



MAP SIGN FABRICATION NOT INCLUDED IN THIS CONTRACT ONLY THE INSTALLATION BY THE CONTRACTOR

PROPOSED SIGN TYPE IV

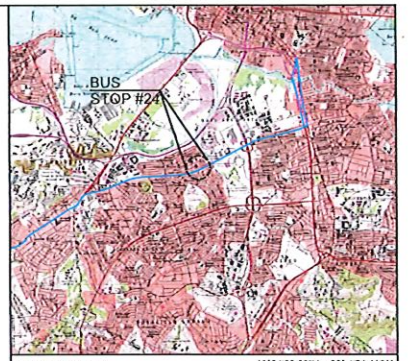
NOT TO SCALE

LEGEND:

- PROP. SIGN TYPE I
- PROP. SIGN TYPE II
- PROP. SIGN TYPE III
- PROP. SIGN TYPE IV
- EXIST. SIGN
- PRMBA EXCLUSIVE LANE (AMA LANE)
- TRAFFIC DIRECTION

NOTES:

1. THE CONTRACTOR SHALL OBTAIN THE EXCAVATION, DEMOLITION AND PERMITS PERMITTING FROM THE DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS PRIOR THE BEGINNING OF EACH WORK SITE DURING THE PROJECT.
2. THE CONTRACTOR SHALL CONSULT THE PROJECT ENGINEER BEFORE THE INSTALLATION OF EACH STRUCTURE.
3. THE CONTRACTOR SHALL REMOVED THE EXISTING SIGN AND TRAFFIC POST. THESE STRUCTURE SHALL BE DELIVER TO THE PRMBA PERSONNEL.
4. THE CONTRACTOR SHALL REMOVE THE EXISTING POST FOUNDATION.
5. THE MINIMUM DISTANCE OF THE LATERAL LOCATION OF THE EDGE OF THE SIGN TO THE EXISTING ROAD CURB SHALL BE 0.61 M.
6. THE CONTRACTOR SHALL INSTALL THE PROPOSED SIGN IN THE SIDEWALK AREA. REFER TO PHOTO #3.



LOCATION PLAN
SCALE 1:20,000

18°24'52.68"N , 65° 4'54.41"W

AERIAL PHOTO
SCALE 1:1,000

GOOGLE EARTH
VERSION: 7.3.4.8542 PRO

Yo, Hernan E. Lopez Baez, Ingeniero Licenciado (PE) #4, certifico que soy el profesional que confeccionó, diseñó y preparó estos planos y las especificaciones correspondientes. También certifico que estoy de acuerdo que dichos planos y especificaciones cumplen con las disposiciones aplicables del Reglamento Conjunto y las disposiciones aplicables de los Reglamentos y Códigos de Construcción Vigentes de las Agencias, Juntas Reglamentadoras y Corporaciones Públicas con Jurisdicción. Reconozco que cualquier deficiencia falta o omisión de la misma que se haya producido por desconocimiento o por negligencia ya sea por mí, mis agentes o empleados, o por otras personas con mi consentimiento, me hacen responsable de cualquier acción judicial y disciplinaria por la OGPe.

ENZO Engineering, psc.
PO Box 3040, PMB 427
Guaynabo, PR 00778
TEL. (787) 649-6200 | LOPEZBAEZ@ENZOGROUPLLC.ORG

HERNAN E. LOPEZ BAEZ
INGENIERO LICENCIADO
PUERTO RICO
HERNAN E. LOPEZ BAEZ, PE MEM
LIC. 16 SMPE

BUS STOP SIGNAGE PROJECT - PHASE 1
ROUTE 2 | BUS STOP #24

FROM BAYAMÓN TO SAGRADO CORAZÓN
FRANKLIN D. ROOSEVELT AVENUE BEFORE BALEARES ST.
MUNICIPALITY OF SAN JUAN

AUTORIDAD METROPOLITANA DE AUTOBUSES

METROPOLITAN BUS AUTHORITY
BOX 195349
SAN JUAN, PR 00919-5349

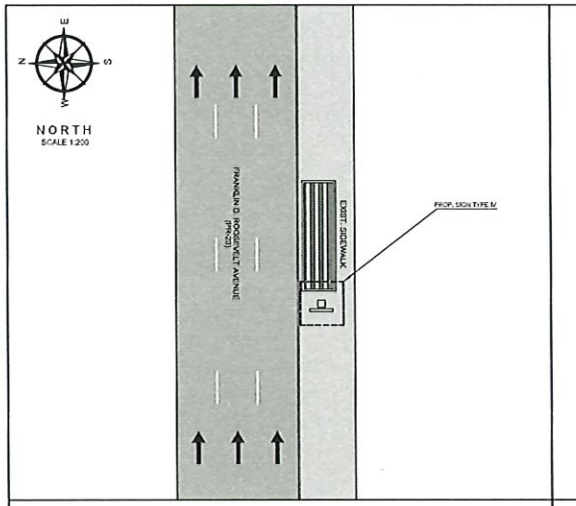
REVISION	
DATE: JUNE 2022	
CHECKED BY: BEV	DRAW BY: ABZ
DWG. TYPE: TS-1.24	SHEET NO. 30 OF 92

ROUTE 2 | BUS STOP #25

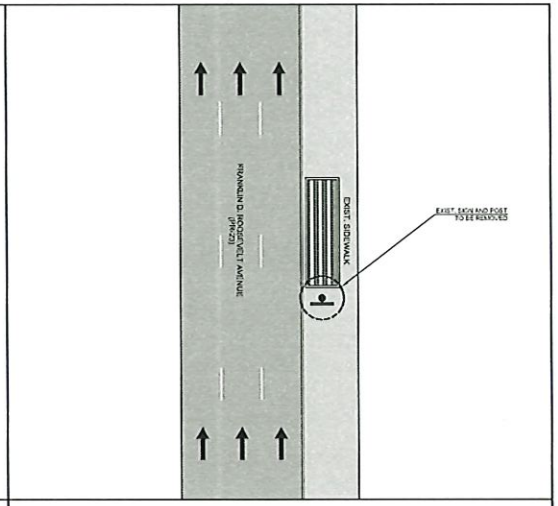
PHOTO - 1

PHOTO - 2

PHOTO - 3: PROPOSED SIGN LOCATION

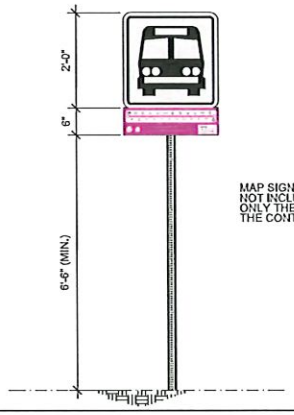


PROPOSED IMPROVEMENTS - ROUTE 2 | B.S.#25



EXIST. CONDITIONS - ROUTE 2 | B.S.#25

2.5 0 5 15
SCALE 1:200



MAP SIGN FABRICATION NOT INCLUDED IN THIS CONTRACT ONLY THE INSTALLATION BY THE CONTRACTOR

PROPOSED SIGN TYPE IV

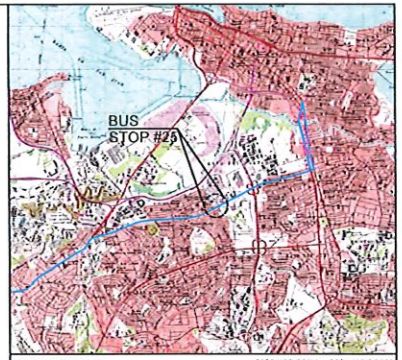
NOT TO SCALE

LEGEND:

- PROP. SIGN TYPE I
- PROP. SIGN TYPE II
- PROP. SIGN TYPE III
- PROP. SIGN TYPE IV
- EXIST. SIGN
- PRIMA EXCLUSIVE LANE (AMA LANE)
- TRAFFIC DIRECTION

NOTES:

1. THE CONTRACTOR SHALL OBTAIN THE EXCAVATION, DEMOLITION AND PIPES PERMITTING FROM THE DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS PRIOR THE BEGINNING OF EACH WORK SITE DURING THE PROJECT.
2. THE CONTRACTOR SHALL CONSULT THE PROJECT ENGINEER BEFORE THE INSTALLATION OF EACH STRUCTURE.
3. THE CONTRACTOR SHALL REMOVED THE EXISTING SIGN AND TRAFFIC POST. THESE STRUCTURE SHALL BE DELIVER TO THE PRIMA PERSONNEL.
4. THE CONTRACTOR SHALL REMOVE THE EXISTING POST FOUNDATION.
5. THE MINIMUM DISTANCE OF THE LATERAL LOCATION OF THE EDGE OF THE SIGN TO THE EXISTING ROAD CURB SHALL BE 3.60 M.
6. THE CONTRACTOR SHALL INSTALL THE PROPOSED SIGN IN THE SIDEWALK AREA. REFER TO PHOTO #3.



LOCATION PLAN 18°24'55.82"N , 66° 4'45.31"W
SCALE 1:20,000

AERIAL PHOTO GOOGLE EARTH
SCALE 1:1,000 VERSION: 7.3.4.8542 PRO

Yo, Hernan E. Lopez Baez, Ingeniero, licencia 18134, certifico que soy el profesional que confeccionó, diseñó y preparó estos planos y las especificaciones completas de las Tarjetas, certifico que entiendo que estos planos y especificaciones cumplen con las disposiciones aplicables del Reglamento Conjunto y las disposiciones aplicables de los Reglamentos y Codigos de Construcción Vigentes en las Agencias, Juntas Reglamentarias o Corporaciones Públicas con Jurisdicción. Reconozco que cualquier defensa bajo Mala Mutilación de los hechos que se haya producido por desconocimiento o por negligencia que sea por mi, mis agentes o empleados, o por otras personas con el consultante, me hacer responsable de cualquier acción judicial y distribuirle por lo 100%.

ENZO Engineering, psc.
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Guraabo, PR 00778
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HERNAN E. LOPEZ BAEZ, PE MEM
LIC. 18134PE

BUS STOP SIGNAGE PROJECT - PHASE 1
ROUTE 2 | BUS STOP #25

FROM BAYAMÓN TO SAGRADO CORAZÓN
FRANKLIN D. ROOSEVELT AVENUE AFTER ANDALUCÍA ST.
MUNICIPALITY OF SAN JUAN

AUTORIDAD METROPOLITANA DE AUTOBUSES

METROPOLITAN BUS AUTHORITY
BOX 195349
SAN JUAN, PR 00919-5349

REVISION	
DATE: JUNE 2022	
CHECKED BY: BEV	DRAW BY: ABZ
DWG. TYPE: TS-1.25	SHEET NO. 31 OF 92

ROUTE 2 | BUS STOP #26

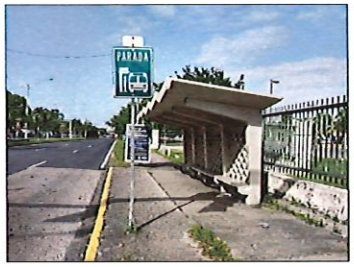


PHOTO - 1

PHOTO - 2

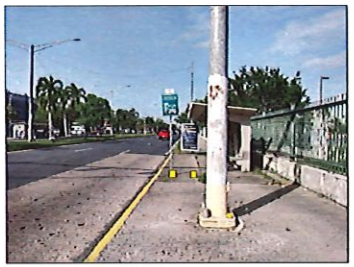
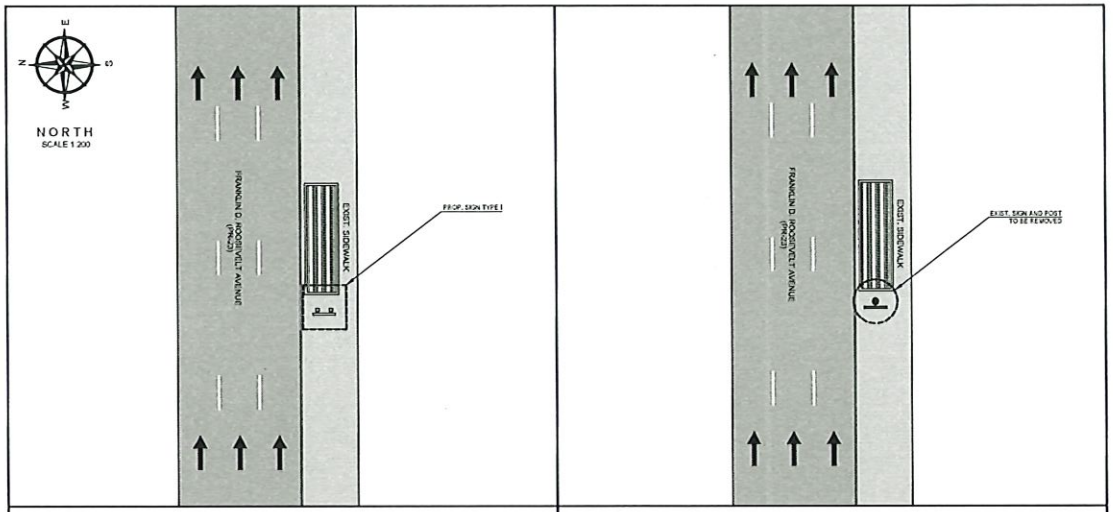


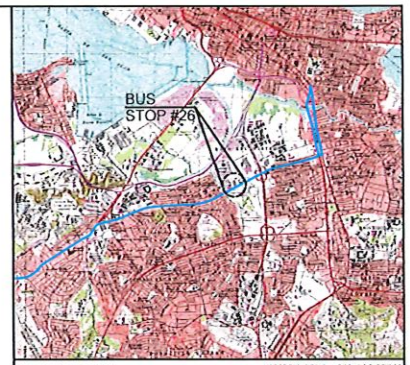
PHOTO - 3: PROPOSED SIGN LOCATION



PROPOSED IMPROVEMENTS - ROUTE 2 | B.S.#26

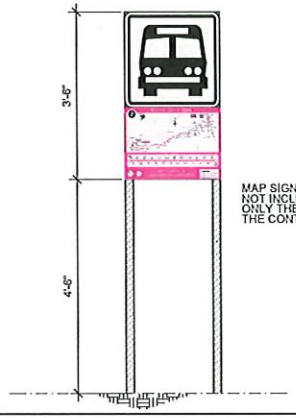
EXIST. CONDITIONS - ROUTE 2 | B.S.#26

2.5 0 5 15
SCALE 1:200



LOCATION PLAN
SCALE 1:20,000
18°25'1.05"N , 66° 4'36.37"W

AERIAL PHOTO
SCALE 1:1,000
GOOGLE EARTH
VERSION 7.3.4.86.42 PRO



MAP SIGN FABRICATION NOT INCLUDED IN THIS CONTRACT ONLY THE INSTALLATION BY THE CONTRACTOR

PROPOSED SIGN TYPE I

NOT TO SCALE

LEGEND

- PROP. SIGN TYPE I
- PROP. SIGN TYPE II
- PROP. SIGN TYPE III
- PROP. SIGN TYPE IV
- EXIST. SIGN
- FRM3A (EXCLUSIVE LANE (AMA LANE)
- TRAFFIC DIRECTION

NOTES

1. THE CONTRACTOR SHALL OBTAIN THE EXCAVATION, EXPOSITION AND PIPES PERMITTING FROM THE DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS PRIOR THE BEGINNING OF EACH WORK SITE DURING THE PROJECT.
2. THE CONTRACTOR SHALL CONSULT THE PROJECT ENGINEER BEFORE THE INSTALLATION OF EACH STRUCTURE.
3. THE CONTRACTOR SHALL REMOVED THE EXISTING SIGN AND TRAFFIC POST. THESE STRUCTURE SHALL BE DELIVER TO THE FRMSA PERSONNEL.
4. THE CONTRACTOR SHALL REMOVE THE EXISTING POST FOUNDATION.
5. THE MINIMUM DISTANCE OF THE LATERAL LOCATION OF THE EDGE OF THE SIGN TO THE EXISTING ROAD CURB SHALL BE 0.60 M.
6. THE CONTRACTOR SHALL INSTALL THE PROPOSED SIGN IN THE SIDEWALK AREA, REFER TO PHOTO #3.

Yo, Hernan E. Lopez Baez, ingeniero licencia 18154, certifico que soy el profesional que certificamos diseñó y preparó estos planos y las especificaciones completas aquí. También certifico que entiendo que dichos planos y especificaciones cumplen con las disposiciones aplicables del Reglamento Conjunto y las disposiciones aplicables de los Reglamentos y Códigos de Construcción vigentes de las Agencias, Juntas Reglamentadoras o Corporaciones Públicas con jurisdicción. Renuncio que cualquier deficiencia, falta o faltamiento de los hechos que se haya producido por desconocimiento o por negligencia, ya sea por mí, mis agentes o empleados, o por otras personas con mi consentimiento, me hacen responsable de cualquier acción judicial y disciplinaria por la OGPe.

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HERNAN E. LOPEZ BAEZ
INGENIERO LICENCIADO
PUERTO RICO
HERNAN E. LOPEZ BAEZ, PE MEM
LIC. 18154PE

BUS STOP SIGNAGE PROJECT - PHASE 1
ROUTE 2 | BUS STOP #26

FROM BAYAMÓN TO SAGRADO CORAZÓN
FRANKLIN D. ROOSEVELT AVENUE AFTER OPPOSITE SIDE
OF NEMESIO CANALES ST. MUNICIPALITY OF SAN JUAN

AUTORIDAD METROPOLITANA DE AUTOBUSES

METROPOLITAN BUS AUTHORITY
BOX 195349
SAN JUAN, PR 00919-5349

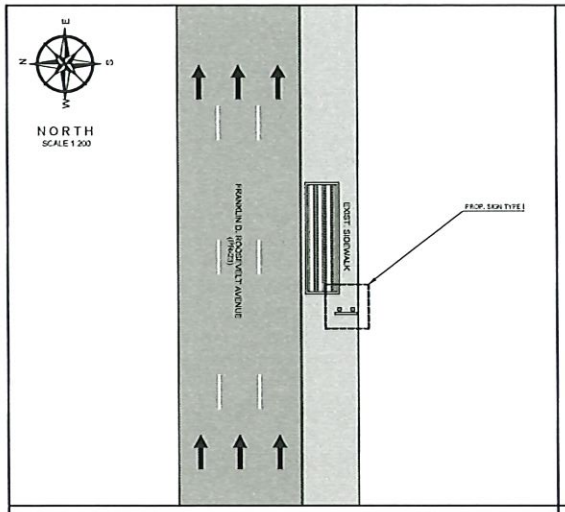
REVISION	
DATE: JUNE 2022	
CHECKED BY: BEV	DRAW BY: ABZ
DWG. TYPE: TS-1.26	SHEET NO. 32 OF 92

ROUTE 2 | BUS STOP #27

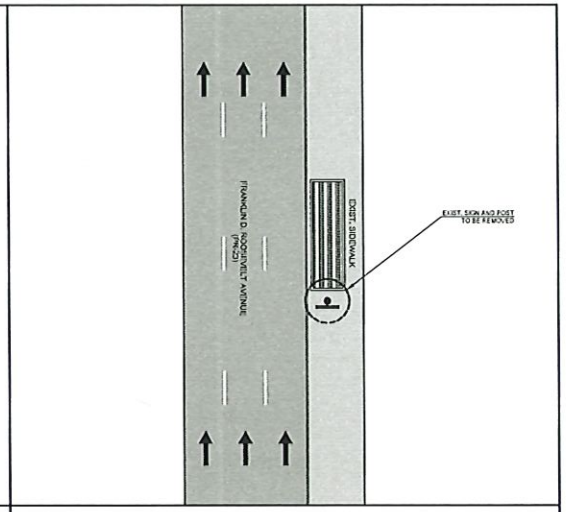
PHOTO - 1

PHOTO - 2

PHOTO - 3: PROPOSED SIGN LOCATION

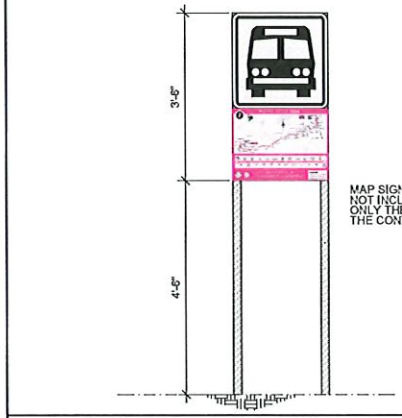


PROPOSED IMPROVEMENTS - ROUTE 2 | B.S.#27



EXIST. CONDITIONS - ROUTE 2 | B.S.#27

2.5 0 5 15
SCALE 1:200



MAP SIGN FABRICATION NOT INCLUDED IN THIS CONTRACT ONLY THE INSTALLATION BY THE CONTRACTOR

PROPOSED SIGN TYPE I

NOT TO SCALE

LEGEND:

- PROP. SIGN TYPE I
- PROP. SIGN TYPE II
- PROP. SIGN TYPE III
- PROP. SIGN TYPE IV
- EXIST. SIGN
- PRMBA EXCLUSIVE LANE (AMA LANE)
- TRAFFIC DIRECTION

NOTES:

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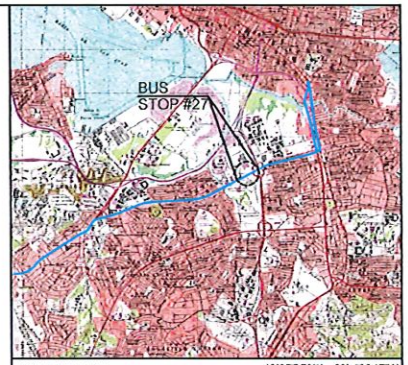
3. THE CONTRACTOR SHALL REMOVED THE EXISTING SIGN AND TRAFFIC POST. THESE STRUCTURE SHALL BE DELIVER TO THE PRMBA PERSONNEL.
4. THE CONTRACTOR SHALL REMOVE THE EXISTING POST FOUNDATION.
5. THE CONTRACTOR SHALL INSTALL THE PROPOSED SIGN IN SIDEWALK, NEXT TO FENCE AND IN FRONT OF THE SHELTERS ADVERTISEMENT. REFER TO PHOTO #3.
6. THE MINIMUM DISTANCE OF THE LATERAL LOCATION OF THE EDGE OF THE SIGN TO THE EXISTING ROAD DURB SHALL BE 0.61 M.



LOCATION PLAN
SCALE 1:20,000
18°25'5.79"N , 66° 4'26.17"W

AERIAL PHOTO
SCALE 1:1,000
GOOGLE EARTH
VERSION: 7.3.4.8642 PRO

Yo, Hernan E. López Báez, ingeniero, licencia 18154, certifico que soy el profesional que confeccionó, diseñó y preparó estos planos y las especificaciones complementarias. También certifico que entiendo que dichos planos y especificaciones cumplen con las disposiciones aplicables del Reglamento Conjunto y las disposiciones aplicables de los Reglamentos y Códigos de Construcción Vigentes de las Agencias, Juntas Reglamentadoras o Corporaciones Públicas con jurisdicción. Reconozco que cualquier desviación falsa o falsificación de los hechos que se haya producido por desconocimiento o por negligencia ya sea por mí, mis agentes o empleados, o por otras personas con mi consentimiento me hacen responsable de cualquier acción judicial y disciplinaria por la OGPe.

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Guraabo, PR 00778
TEL. (787) 649-6200 | LOPEZBAEZ@ENZOGROUPLLC.ORG

HERNAN E. LOPEZ BAEZ
INGENIERO LICENCIADO
PUERTO RICO
HERNAN E. LOPEZ BAEZ, PE MEM
LIC. 18154PE

BUS STOP SIGNAGE PROJECT - PHASE 1
ROUTE 2 | BUS STOP #27

FROM BAYAMÓN TO SAGRADO CORAZÓN
FRANKLIN D. ROOSEVELT AVENUE OPPOSITE SIDE OF LAS AMÉRICAS ST.
MUNICIPALITY OF SAN JUAN

AUTORIDAD METROPOLITANA DE AUTOBUSES

METROPOLITAN BUS AUTHORITY
BOX 195349
SAN JUAN, PR 00919-5349

REVISION	
DATE JUNE 2022	
CHECKED BY BEV	DRAWN BY ABZ
DWG. TYPE TS-1.27	SHEET NO. 33 OF 92

ROUTE 2 | BUS STOP #28

PHOTO - 1

PHOTO - 2

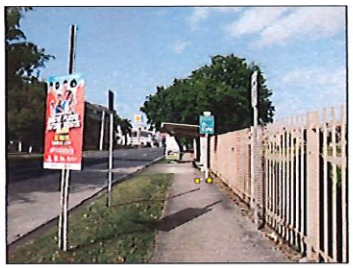
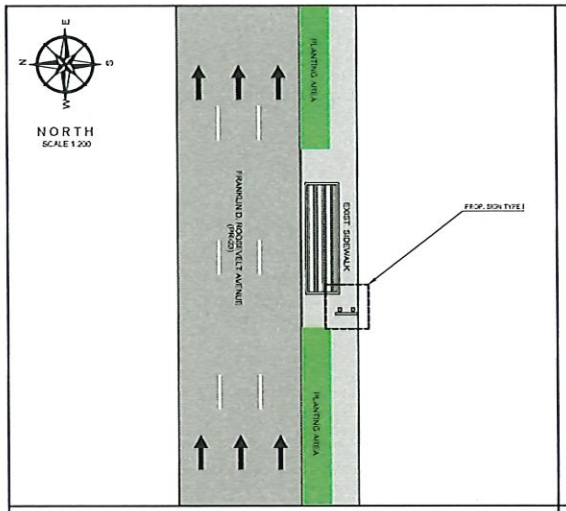
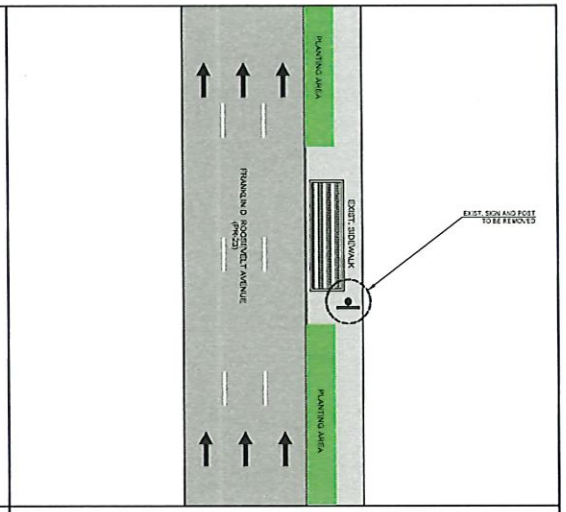


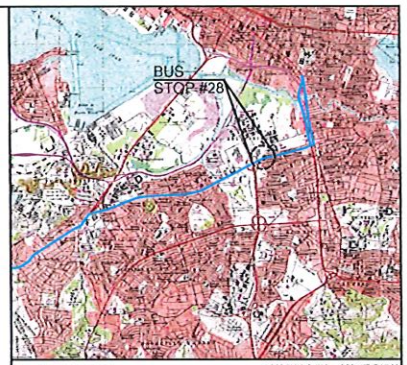
PHOTO - 3: PROPOSED SIGN LOCATION



PROPOSED IMPROVEMENTS - ROUTE 2 | B.S.#28

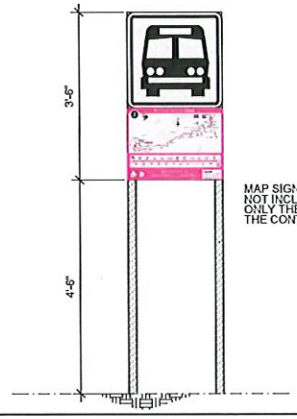


EXIST. CONDITIONS - ROUTE 2 | B.S.#28



LOCATION PLAN 18°25'14.64"N , 66° 47.51"W
SCALE 1:20,000

AERIAL PHOTO GOOGLE EARTH
SCALE 1:1,000 VERSION: 7.3.4.6642 PRO



MAP SIGN FABRICATION NOT INCLUDED IN THIS CONTRACT ONLY THE INSTALLATION BY THE CONTRACTOR

PROPOSED SIGN TYPE I NOT TO SCALE

LEGEND:

- PROP. SIGN TYPE I
- PROP. SIGN TYPE II
- PROP. SIGN TYPE III
- PROP. SIGN TYPE IV
- EXIST. SIGN
- FRMBA EXCLUSIVE LANE (AMA LANE)
- TRAFFIC DIRECTION

NOTES:

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Yo, Hernan E. Lopez Baez, Ingeniero licencia 18154, certifico que soy el profesional que confeccionó, diseñó y preparó estos planos y las especificaciones completas mostradas. También certifico que entiendo que dichos planos y especificaciones cumplen con las disposiciones aplicables del Reglamento Conjunto y las disposiciones aplicables de los Reglamentos y Código de Construcción vigentes de las Agencias Juntas Reglamentarias o Corporaciones Públicas con jurisdicción. Reconozco que cualquier declaración falsa o falsificación de los hechos que se haya producido por desconocimiento o por negligencia grave por mi, me expone a amplia sólida, y por otras personas con mi conocimiento, me hacen responsable de cualquier acción judicial y disciplinaria por la OGPe.

ENZO Engineering, psc.
PO Box 3040, PMB 427
Guraso, PR 00778
TEL. (787) 649-6200 | LOPEZBAEZ@ENZOGROUPLLC.ORG

HERNAN E. LOPEZ BAEZ, PE MEM
LIC. 18154PE

BUS STOP SIGNAGE PROJECT - PHASE 1
ROUTE 2 | BUS STOP #28

FROM BAYAMÓN TO SAGRADO CORAZÓN
FRANKLIN D. ROOSEVELT AVENUE BEFORE
SOLDADO RAFAEL LAMAR GUERRA ST. MUNICIPALITY OF SAN JUAN

AUTORIDAD METROPOLITANA DE AUTOBUSES

METROPOLITAN BUS AUTHORITY
BOX 195349
SAN JUAN, PR 00919-5349

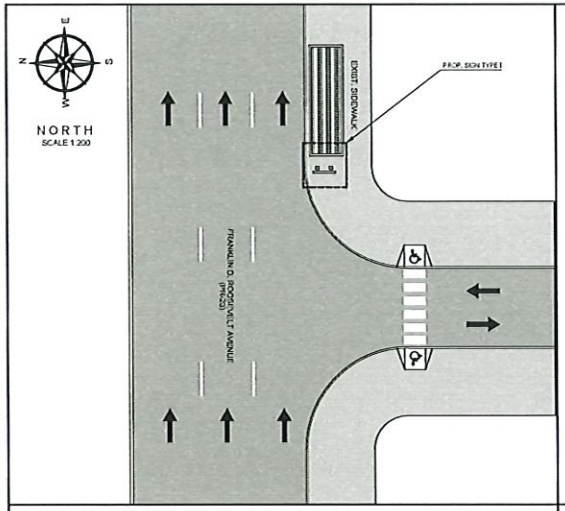
REVISION	
DATE: JUNE 2022	
CHECKED BY: BEV	DRAWN BY: ABZ
DWG. TYPE: TS-1.28	SHEET NO. 34 OF 92

ROUTE 2 | BUS STOP #29

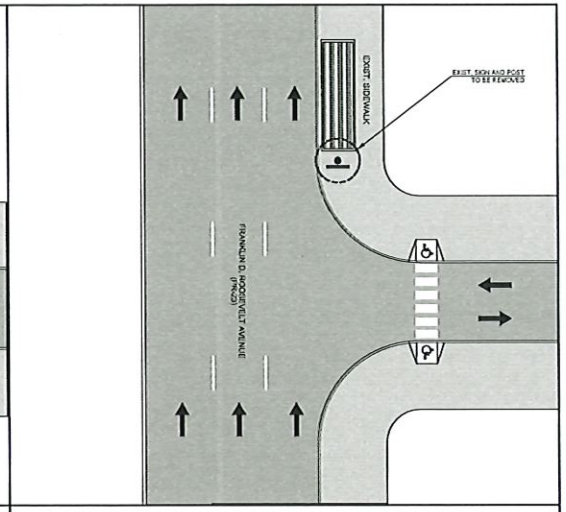
PHOTO - 1

PHOTO - 2

PHOTO - 3: PROPOSED SIGN LOCATION

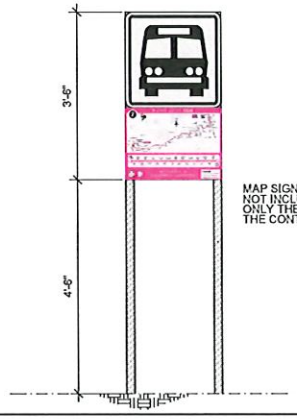


PROPOSED IMPROVEMENTS - ROUTE 2 | B.S.#29



EXIST. CONDITIONS - ROUTE 2 | B.S.#29

2.5 0 5 15
SCALE 1:200



MAP SIGN FABRICATION NOT INCLUDED IN THIS CONTRACT ONLY THE INSTALLATION BY THE CONTRACTOR

PROPOSED SIGN TYPE I

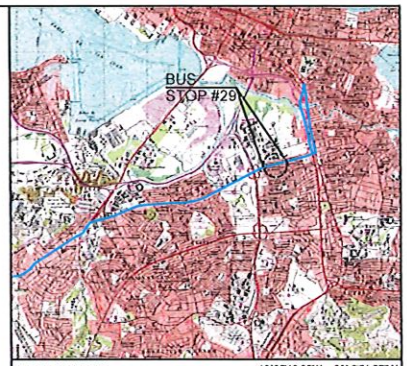
NOT TO SCALE

LEGEND:

- PROP. SIGN TYPE I
- PROP. SIGN TYPE II
- PROP. SIGN TYPE III
- PROP. SIGN TYPE IV
- EXIST. SIGN
- PRIMBA EXCLUSIVE LANE (AMA LANE)
- TRAFFIC DIRECTION

NOTES:

1. THE CONTRACTOR SHALL OBTAIN THE EXCAVATION, DEMOLITION AND PIPES PERMITTING FROM THE DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS PRIOR THE BEGINNING OF EACH WORK SITE DURING THE PROJECT.
2. THE CONTRACTOR SHALL CONSULT THE PROJECT ENGINEER BEFORE THE INSTALLATION OF EACH STRUCTURE.
3. THE CONTRACTOR SHALL REMOVED THE EXISTING SIGN AND TRAFFIC POST, THESE STRUCTURE SHALL BE DELIVER TO THE PRIMBA PERSONNEL.
4. THE CONTRACTOR SHALL REMOVE THE EXISTING POST FOUNDATION.
5. THE MINIMUM DISTANCE OF THE LATERAL LOCATION OF THE EDGE OF THE SIGN TO THE EXISTING ROAD CURB SHALL BE 2.00 M.
6. THE CONTRACTOR SHALL INSTALL THE PROPOSED SIGN IN THE SIDEWALK AREA, REFER TO PHOTO 3.



LOCATION PLAN
SCALE 1:20,000

18°25'18.25"N , 66° 3'51.57"W

AERIAL PHOTO
SCALE 1:1,000

GOOGLE EARTH
VERSION: 7.3.4.8642 PRO

Yo, Hernan E. López Baez, Ingeniero, licencia 18154, certifico que soy el profesional que confeccionó, diseñó y preparó estos planos y las especificaciones complementarias. También certifico que estimo que dichos planos y especificaciones cumplen con las disposiciones aplicables del Reglamento Conjunto y las disposiciones aplicables de los Reglamentos y Código de Construcción vigentes de las Agencias, Juntas Reglamentarias o Corporaciones Públicas con jurisdicción. Reconozco que cualquier deficiencia falta o falsificación de los hechos que se haya producido por desconocimiento o por negligencia, ya sea por mí, mis agentes o empleados, o por otras personas con mi consentimiento, me hacen responsable de multiples acción judicial y disciplinaria por la OGPe.

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Guraboo, PR 00778
TEL. (787) 649-6200 | LOPEZBAEZ@ENZOGROUPLLC.ORG

HERNAN E. LOPEZ BAEZ
INGENIERO LICENCIADO
PUERTO RICO
HERNAN E. LOPEZ BAEZ, PE MEM
LIC. 18154PE

BUS STOP SIGNAGE PROJECT - PHASE 1
ROUTE 2 | BUS STOP #29

FROM BAYAMÓN TO SAGRADO CORAZÓN
FRANKLIN D. ROOSEVELT AVENUE INTERSECTION HOSTOS ST.
MUNICIPALITY OF SAN JUAN

AUTORIDAD METROPOLITANA DE AUTOBUSES

METROPOLITAN BUS AUTHORITY
BOX 195349
SAN JUAN, PR 00919-5349

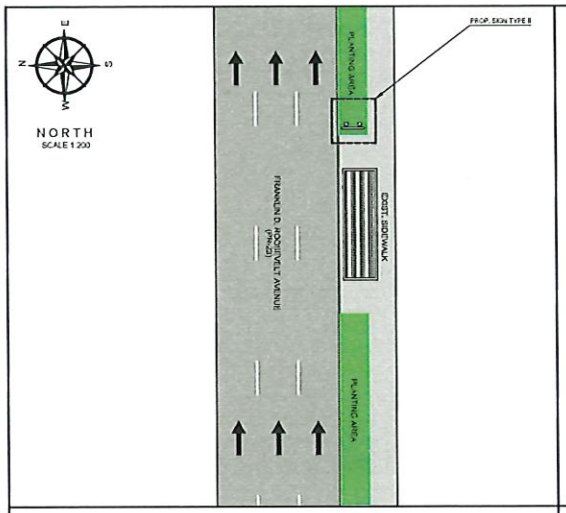
REVISION	
DATE: JUNE 2022	
CHECKED BY: BEV	DRAWN BY: ABZ
DWG. TYPE: TS-1.29	SHEET NO. 35 OF 92

ROUTE 2 | BUS STOP #30

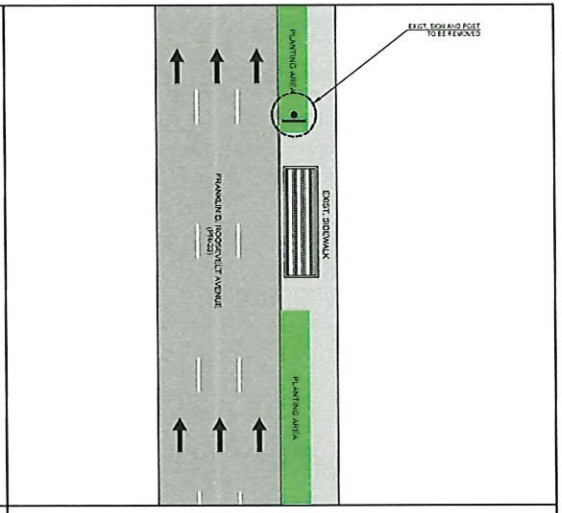
PHOTO - 1

PHOTO - 2

PHOTO - 3: PROPOSED SIGN LOCATION

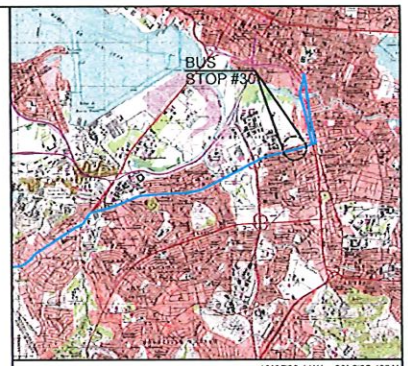


PROPOSED IMPROVEMENTS - ROUTE 2 | B.S.#30



EXIST. CONDITIONS - ROUTE 2 | B.S.#30

2.5 0 5 15
SCALE 1:200

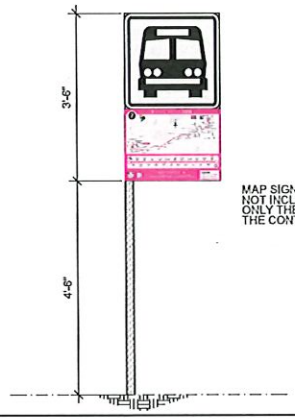


LOCATION PLAN
SCALE 1:20,000

18°25'22.11"N , 66° 3'35.40"W

AERIAL PHOTO
SCALE 1:1,000

GOOGLE EARTH
VERSION: 7.3.4.8542 PRO



MAP SIGN FABRICATION NOT INCLUDED IN THIS CONTRACT ONLY THE INSTALLATION BY THE CONTRACTOR

PROPOSED SIGN TYPE II

NOT TO SCALE

LEGEND:

- PROP. SIGN TYPE I
- PROP. SIGN TYPE II
- PROP. SIGN TYPE III
- PROP. SIGN TYPE IV
- EXIST. SIGN
- FRMBA EXCLUSIVE LANE (AMA LANE)
- TRAFFIC DIRECTION

NOTES:

1. THE CONTRACTOR SHALL OBTAIN THE EXCAVATION, DEMOLITION AND PIPES PERMITTING FROM THE DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS PRIOR THE BEGINNING OF EACH WORK SITE DURING THE PROJECT.
2. THE CONTRACTOR SHALL CONSULT THE PROJECT ENGINEER BEFORE THE INSTALLATION OF EACH STRUCTURE.
3. THE CONTRACTOR SHALL REMOVED THE EXISTING SIGN AND TRAFFIC POST. THESE STRUCTURE SHALL BE DELIVER TO THE FRMBA PERSONNEL.
4. THE CONTRACTOR SHALL REMOVE THE EXISTING POST FOUNDATION.
5. THE MINIMUM DISTANCE OF THE LATERAL LOCATION OF THE EDGE OF THE SIGN TO THE EXISTING ROAD CURB SHALL BE 0.80 M.
6. THE CONTRACTOR SHALL INSTALL THE PROPOSED CANTILEVER SIGN IN THE PLANTING AREA. REFER TO PHOTO #3.

Yo, Hernan E. Lopez Baez, Ingeniero licencia 18154, certifico que soy el profesional que confeccionó, diseñó y preparó estos planos y las especificaciones completo-tarifas. También certifico que entiendo que dichos planos y especificaciones cumplen con las disposiciones aplicables del Reglamento Conjunto y las disposiciones aplicables de los Reglamentos y Código de Construcción Vigentes de las Agencias, Juntas Reglamentarias o Corporaciones Públicas con jurisdicción. Reconozco que cualquier declaración falsa o falsificación de los hechos que se haya producido por desconocimiento o por negligencia, ya sea por mí, mis agentes o empleados, o por otras personas con mi consentimiento, me hacen responsable de cualquier acción judicial y disciplinaria por la OGPe.

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HERNAN E. LOPEZ BAEZ, PE MEM
LIC. 18154PE

BUS STOP SIGNAGE PROJECT - PHASE 1
ROUTE 2 | BUS STOP #30

FROM BAYAMÓN TO SAGRADO CORAZÓN
FRANKLIN D. ROOSEVELT AVENUE AFTER FERNANDO 1ST ST.
MUNICIPALITY OF SAN JUAN

AUTORIDAD METROPOLITANA DE AUTOBUSES

METROPOLITAN BUS AUTHORITY
BOX 195349
SAN JUAN, PR 00919-5349

REVISION	
DATE: JUNE 2022	
CHECKED BY: BEV	DRAWN BY: ABZ
DWG. TYPE: TS-1.30	SHEET NO. 36 OF 92

ROUTE 2 | BUS STOP #31

PHOTO - 1

PHOTO - 2

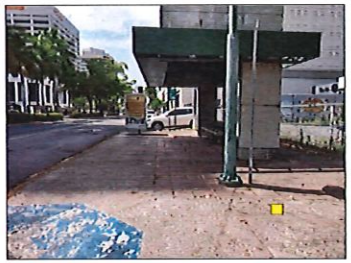
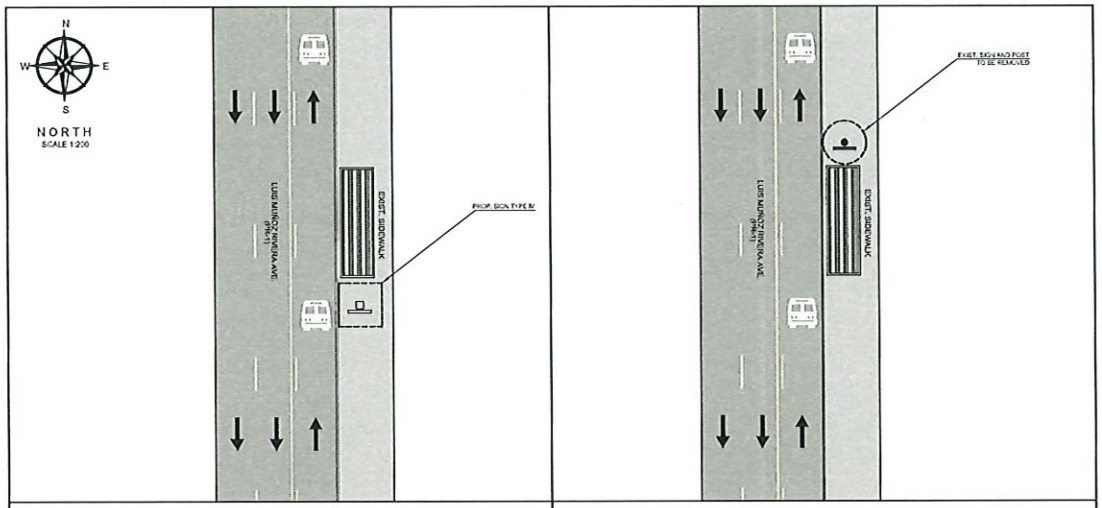


PHOTO - 3: PROPOSED SIGN LOCATION



PROPOSED IMPROVEMENTS - ROUTE 2 | B.S.#31

EXIST. CONDITIONS - ROUTE 2 | B.S.#31

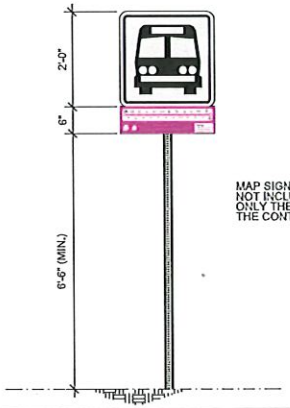
2.5 0 5 15
SCALE 1:200

LOCATION PLAN
SCALE 1:20,000

18°25'26.26"N , 65° 3'29.01"W

AERIAL PHOTO
SCALE 1:1,000

GOOGLE EARTH
VERSION: 7.3.4.8542 PRO



MAP SIGN FABRICATION NOT INCLUDED IN THIS CONTRACT ONLY THE INSTALLATION BY THE CONTRACTOR

PROPOSED SIGN TYPE IV

NOT TO SCALE

LEGEND:

- PROP. SIGN TYPE I
- PROP. SIGN TYPE II
- PROP. SIGN TYPE III
- PROP. SIGN TYPE IV
- EXIST. SIGN
- FRIMSA EXCLUSIVE LANE (AMA LANE)
- TRAFFIC DIRECTION

NOTES:

1. THE CONTRACTOR SHALL OBTAIN THE EXCAVATION, DEVOLUTION AND PAYES PERMITTING FROM THE DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS PRIOR THE BEGINNING OF EACH WORK SITE DURING THE PROJECT.
2. THE CONTRACTOR SHALL CONSULT THE PROJECT ENGINEER BEFORE THE INSTALLATION OF EACH STRUCTURE.
3. THE CONTRACTOR SHALL REMOVED THE EXISTING SIGN AND TRAFFIC POST. THESE STRUCTURE SHALL BE DELIVER TO THE FRIMSA PERSONNEL.
4. THE CONTRACTOR SHALL REMOVE THE EXISTING POST FOUNDATION.
5. THE CONTRACTOR SHALL INSTALL THE PROPOSED SIGN IN SIDEWALK IN FRONT OF THE LUMINAIRE POLE. REFER TO PI-0712-03.
6. THE MINIMUM DISTANCE OF THE LATERAL LOCATION OF THE EDGE OF THE SIGN TO THE EXISTING ROAD CURB SHALL BE 0.60 M.

Yo, Hernan E. Lopez Baez, Ingeniero Licenciado 18134, certifico que soy el profesional que confeccionó, diseñó y preparó estos planos y las especificaciones complementarias. También certifico que el diseño que aparece en estos planos y especificaciones cumplen con las disposiciones aplicables del Reglamento Conjunto y las disposiciones aplicables de los Reglamentos y Códigos de Construcción Vigentes de las Agencias, Juntas Reglamentadoras y Corporaciones Públicas con Jurisdicción. Reconozco que cualquier deficiencia en mi trabajo que no haya producido por desconocimiento o por negligencia, ya sea por mí, mis agentes o empleados, o por otras personas por mí consultadas, me hacen responsable de cualquier acción judicial y daños que pueda ser imputable por la misma.

ENZO Engineering, psc.
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Guaraba, PR 00778
TEL. (787) 649-6200 | LOPEZBAEZ@ENZOGROUPLLC.ORG

HERNAN E. LOPEZ BAEZ
INGENIERO LICENCIADO
PUERTO RICO

HERNAN E. LOPEZ BAEZ, PE MEM
LIC. NO 18134

BUS STOP SIGNAGE PROJECT - PHASE 1
ROUTE 2 | BUS STOP #31

FROM BAYAMÓN TO SAGRADO CORAZÓN
EXCLUSIVE LANE LUIS MUÑOZ RIVERA AVE. INT F.D. ROOSEVELT AVE.
MUNICIPALITY OF SAN JUAN

AUTORIDAD METROPOLITANA DE AUTOBUSES

METROPOLITAN BUS AUTHORITY
BOX 195349
SAN JUAN, PR 00919-5349

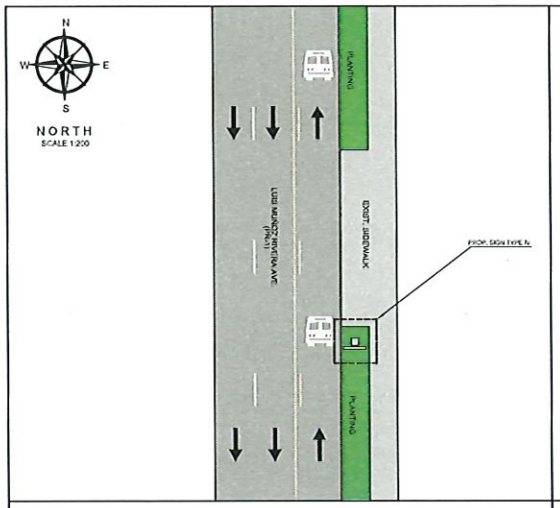
REVISION	
DATE: JUNE 2022	
CHECKED BY: BEV	DRAW BY: ABZ
DWG. TYPE: TS-1.31	SHEET NO. 37 OF 92

ROUTE 2 | BUS STOP #32

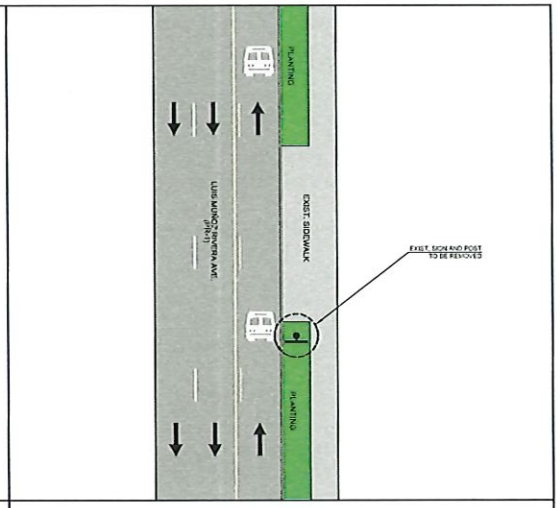
PHOTO - 1

PHOTO - 2

PHOTO - 3: PROPOSED SIGN LOCATION

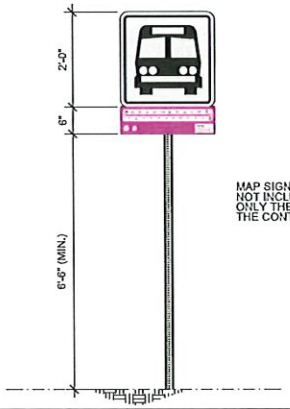


PROPOSED IMPROVEMENTS - ROUTE 2 | B.S.#32



EXIST. CONDITIONS - ROUTE 2 | B.S.#32

2.5 0 5 15
SCALE 1:200



MAP SIGN FABRICATION NOT INCLUDED IN THIS CONTRACT ONLY THE INSTALLATION BY THE CONTRACTOR

PROPOSED SIGN TYPE IV

NOT TO SCALE

LEGEND:

- PROP. SIGN TYPE I
- PROP. SIGN TYPE II
- PROP. SIGN TYPE III
- PROP. SIGN TYPE IV
- EXIST. SIGN
- FRIMBA EXCLUSIVE LANE (AMA LANE)
- TRAFFIC DIRECTION

NOTES:

1. THE CONTRACTOR SHALL OBTAIN THE EXCAVATION, DEMOLITION AND PMES PERMITTING FROM THE DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS PRIOR THE BEGINNING OF EACH WORK SITE DURING THE PROJECT.
2. THE CONTRACTOR SHALL CONSULT THE PROJECT ENGINEER BEFORE THE INSTALLATION OF EACH STRUCTURE.
3. THE CONTRACTOR SHALL REMOVED THE EXISTING SIGN AND TRAFFIC POST. THESE STRUCTURE SHALL BE DELIVER TO THE FRIMBA PERSONNEL.
4. THE CONTRACTOR SHALL REMOVE THE EXISTING POST FOUNDATION.
5. THE CONTRACTOR SHALL INSTALL THE PROPOSED SIGN IN PLANTING AREA, BETWEEN TREES. REFER TO PLATO 43.
6. THE MINIMUM DISTANCE OF THE LATERAL LOCATION OF THE EDGE OF THE SIGN TO THE EXISTING ROAD CURB SHALL BE 0.60 M.

Yo, Hernan E. Lopez Baez, Ingeniero, licencia 18134, certifico que soy el profesional que proyectó, diseñó y preparó estos planos y las especificaciones complementarias. También certifico que estos planos y especificaciones cumplen con las disposiciones aplicables del Reglamento Conjunto y las disposiciones aplicables de los Reglamentos y Códigos de Construcción Vigentes de los Agencias, Juntas, Reglamentadoras o Corporaciones Públicas con Jurisdicción. Responsabilizo que cualquier desviación hecha o Modificación de los mismos que se haya producido por desconocimiento o por negligencia, ya sea por mí, mi agencia o empleados, o por otras personas por mí desconocidas, me hacen responsable de cualquier acción judicial y daños frente por la OGPA.

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HERNAN E. LOPEZ BAEZ
INGENIERO LICENCIADO
PUERTO RICO
HERNAN E. LOPEZ BAEZ, PE MEM
LIC. 18 549E

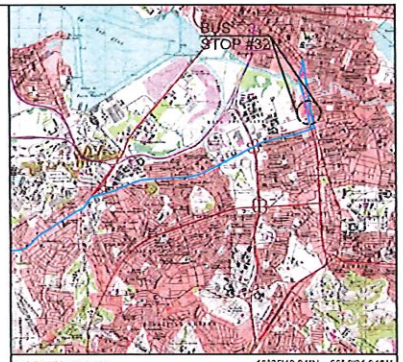
BUS STOP SIGNAGE PROJECT - PHASE 1
ROUTE 2 | BUS STOP #32

FROM BAYAMÓN TO SAGRADO CORAZÓN
EXCLUSIVE LANE LUIS MUÑOZ RIVERA AVENUE AFTER BOLIVIA ST.
MUNICIPALITY OF SAN JUAN

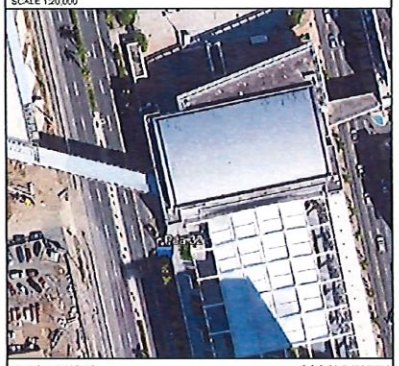
AUTORIDAD METROPOLITANA DE AUTOBUSES

METROPOLITAN BUS AUTHORITY
BOX 195349
SAN JUAN, PR 00919-5349

REVISION	
DATE: JUNE 2022	
CHECKED BY: BEV	DRAW BY: ABZ
DWG. TYPE: TS-1.32	SHEET NO. 38 OF 92



LOCATION PLAN
SCALE 1:20,000
18°25'40.04"N , 66° 3'31.94"W



AERIAL PHOTO
SCALE 1:1,000
GOOGLE EARTH
VERSION: 7.3.4.8542 PRO

ROUTE 2 | BUS STOP #33

PHOTO - 1

PHOTO - 2

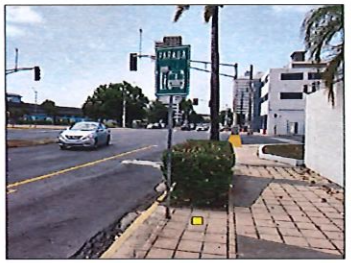
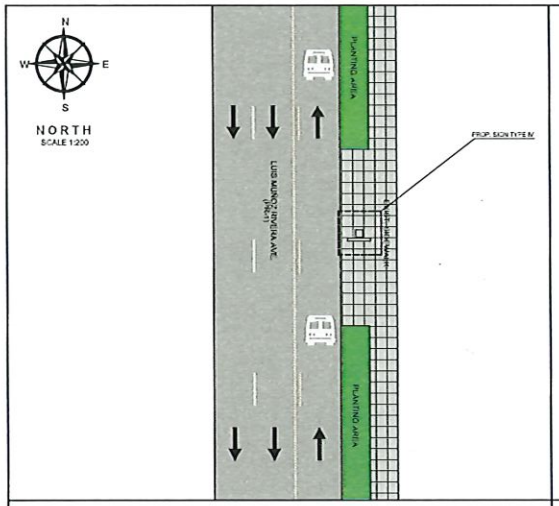
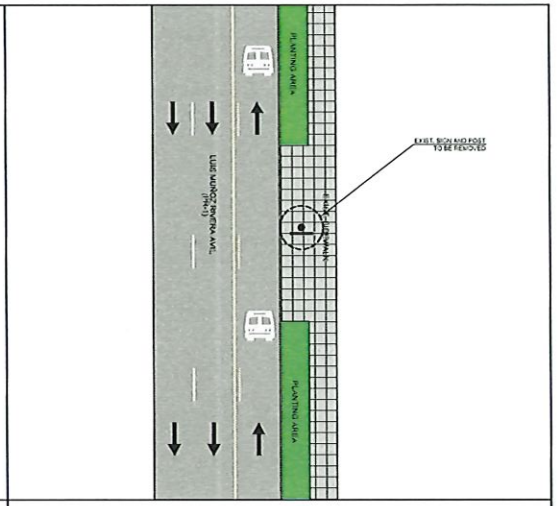


PHOTO - 3: PROPOSED SIGN LOCATION

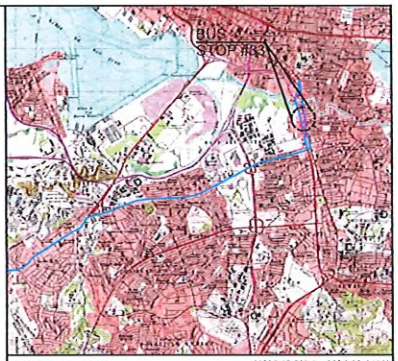


PROPOSED IMPROVEMENTS - ROUTE 2 | B.S.#33



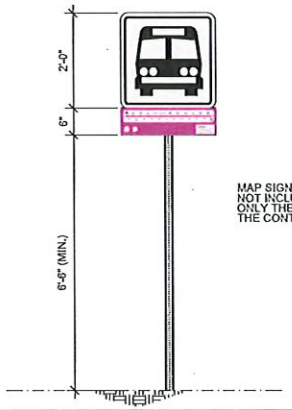
EXIST. CONDITIONS - ROUTE 2 | B.S.#33

2.5 0 5 15
SCALE 1:200



LOCATION PLAN 18°25'45.50"N , 66° 3'33.14"W
SCALE 1:20,000

AERIAL PHOTO GOOGLE EARTH
SCALE 1:1,000 VERSION: 7.3.4.8542 PRO



MAP SIGN FABRICATION NOT INCLUDED IN THIS CONTRACT ONLY THE INSTALLATION BY THE CONTRACTOR

PROPOSED SIGN TYPE IV NOT TO SCALE

LEGEND:

- PROP. SIGN TYPE I
- PROP. SIGN TYPE II
- PROP. SIGN TYPE III
- PROP. SIGN TYPE IV
- EXIST. SIGN
- PRMBA EXCLUSIVE LANE (AMA LANE)
- TRAFFIC DIRECTION

NOTES:

1. THE CONTRACTOR SHALL OBTAIN THE EXCAVATION, DEMOLITION AND PIPES PERMITTING FROM THE DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS PRIOR THE BEGINNING OF EACH WORK SITE DURING THE PROJECT.
2. THE CONTRACTOR SHALL CONSULT THE PROJECT ENGINEER BEFORE THE INSTALLATION OF EACH STRUCTURE.
3. THE CONTRACTOR SHALL REMOVED THE EXISTING SIGN AND TRAFFIC POST. THESE STRUCTURE SHALL BE DELIVER TO THE PRMBA PERSONNEL.
4. THE CONTRACTOR SHALL REMOVE THE EXISTING POST FOUNDATION.
5. THE CONTRACTOR SHALL INSTALL THE PROPOSED SIGN IN TIES. THE CONTRACTOR SHALL COORDINATE THE INSTALLATION WITH PRD OF THE MUNICIPALITY OF SAN JUAN ABOUT THE BRIBE TILE TO INSTALL. BUY THREE TILES (3). REFER TO PHOTO #3.
6. THE MINIMUM DISTANCE OF THE LATERAL LOCATION OF THE EDGE OF THE SIGN TO THE EXISTING ROAD CURB SHALL BE 0.60 M.

Yo, Hernan E. Lopez Baez Ingeniero Licencia #19134, certifico que soy el profesional que confeccionó, diseñó y preparó estos planos y las especificaciones complementarias. También certifico que estos planos y especificaciones cumplen con las disposiciones aplicables del Reglamento Conjunto y las disposiciones aplicables de los Reglamentos y Códigos de Construcción vigentes de las Agencias, Juntas Reglamentadoras o Corporaciones Públicas con Jurisdicción. Reconozco que mediante declaración falsa o falsificación de los hechos que se hayan producido por desconocimiento o por negligencia, yo soy por mí, mis agentes o empleados, o por otras personas con mi consentimiento, me hacen responsable de cualquier acción judicial y civil interpuesta por la OCPR.

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PO Box 3040, PMB 427
Guraabo, PR 00778
TEL. (787) 649-6200 | LOPEZBAEZ@ENZOGROUPLLC.ORG

HERNAN E. LOPEZ BAEZ, PE MEM
LIC.-# 19134

BUS STOP SIGNAGE PROJECT - PHASE 1
ROUTE 2 | BUS STOP #33

FROM BAYAMÓN TO SAGRADO CORAZÓN
EXCLUSIVE LANE LUIS MUÑOZ RIVERA AVENUE INT. SAN GERMÁN ST.
MUNICIPALITY OF SAN JUAN

AUTORIDAD METROPOLITANA DE AUTOBUSES

METROPOLITAN BUS AUTHORITY
BOX 195349
SAN JUAN, PR 00919-5349

REVISION	
DATE: JUNE 2022	
CHECKED BY: BEV	DRAW BY: ABZ
DWG. TYPE: TS-1.33	SHEET NO. 39 OF 92

ROUTE 2 | BUS STOP #34

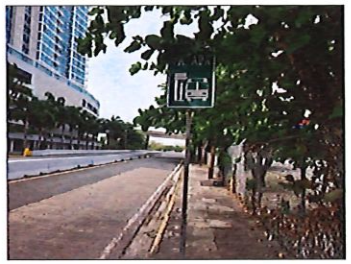
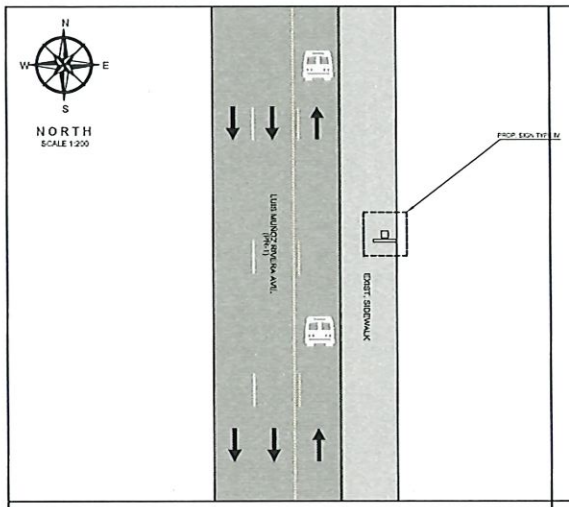


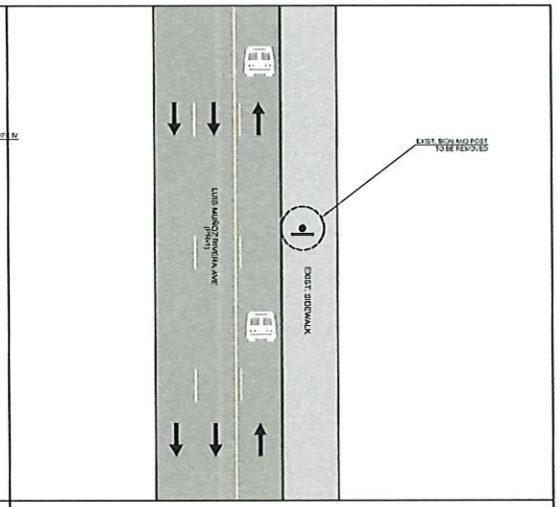
PHOTO - 1

PHOTO - 2

PHOTO - 3: PROPOSED SIGN LOCATION

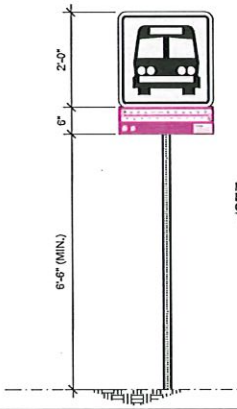


PROPOSED IMPROVEMENTS - ROUTE 2 | B.S.#34



EXIST. CONDITIONS - ROUTE 2 | B.S.#34

2.5 0 5 15
SCALE 1:200



MAP SIGN FABRICATION
NOT INCLUDED IN THIS CONTRACT
ONLY THE INSTALLATION BY
THE CONTRACTOR

PROPOSED SIGN TYPE IV

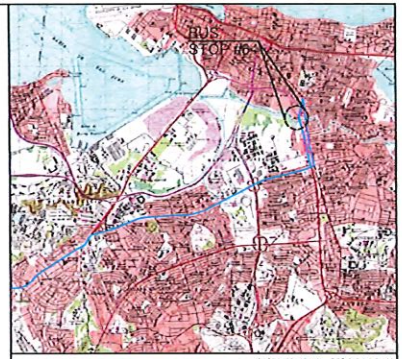
NOT TO SCALE

LEGEND:

- PROP. SIGN TYPE I
- PROP. SIGN TYPE II
- PROP. SIGN TYPE III
- PROP. SIGN TYPE IV
- EXIST. SIGN
- PRIMA EXCLUSIVE LANE (AMA LANE)
- TRAFFIC DIRECTION

NOTES:

1. THE CONTRACTOR SHALL OBTAIN THE EXCAVATION, DEMOLITION AND PIPES PERMITTING FROM THE DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS PRIOR THE BEGINNING OF EACH WORK SITE DURING THE PROJECT.
2. THE CONTRACTOR SHALL CONSULT THE PROJECT ENGINEER BEFORE THE INSTALLATION OF EACH STRUCTURE.
3. THE CONTRACTOR SHALL REMOVED THE EXISTING SIGN AND TRAFFIC POST. THESE STRUCTURE SHALL BE DELIVER TO THE PRIMA PERSONNEL.
4. THE CONTRACTOR SHALL REMOVE THE EXISTING POST FOUNDATION.
5. THE CONTRACTOR SHALL INSTALL THE PROPOSED SIGN IN SIDEWALK, NEXT TO FENCE. (REFER TO PI-670.01).
6. THE MINIMUM DISTANCE OF THE LATERAL LOCATION OF THE EDGE OF THE SIGN TO THE EXISTING ROAD CURB SHALL BE 0.61 M.



LOCATION PLAN
SCALE 1:20,000

18°25'52.49"N , 66° 3'34.72"W

AERIAL PHOTO
SCALE 1:1,000

GOOGLE EARTH
VERSION: 7.3.4.8542 PRO

Yo, Hernan E. Lopez Baez Ingeniero licenciado 18134 certifico que soy el profesional que confeccionó, diseñó y preparó estos planos y las especificaciones complementarias. También certifico que estos planos y especificaciones cumplen con las disposiciones aplicables del Reglamento Conjunto y las disposiciones aplicables de los Reglamentos y Códigos de Construcción vigentes de las Agencias, Juntas Reglamentadoras o Corporaciones Públicas con Jurisdicción. Reconozco que cualquier deficiencia, falta o omisión de las mismas que se haya producido por desconocimiento o por negligencia de mi parte, me hará responsable de mis actos y omisiones y implicados, y por otras personas con el conocimiento, me hacen responsable de cualquier acción judicial y daños de ello por la ley.

ENZO Engineering, psc.
PO Box 3040, PMB 427
Guraabo, PR 00778
TEL. (787) 649-6200 | LOPEZBAEZ@ENZOGROUPLLC.ORG

HERNAN E. LOPEZ BAEZ
INGENIERO LICENCIADO
PUERTO RICO

HERNAN E. LOPEZ BAEZ, PE MEM
LIC. # 18134

BUS STOP SIGNAGE PROJECT - PHASE 1
ROUTE 2 | BUS STOP #34

FROM BAYAMÓN TO SAGRADO CORAZÓN
EXCLUSIVE LANE LUIS MUÑOZ RIVERA AVENUE AFTER
NEMESIO CANALES ST. MUNICIPALITY OF SAN JUAN

AUTORIDAD METROPOLITANA DE AUTOBUSES

METROPOLITAN BUS AUTHORITY
BOX 195349
SAN JUAN, PR 00919-5349

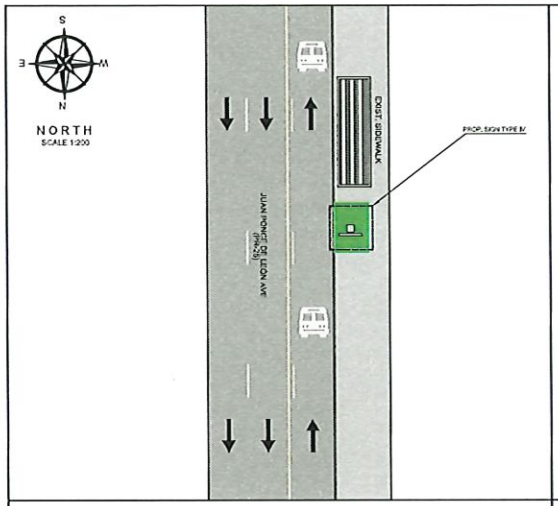
REVISION	
DATE: JUNE 2022	
CHECKED BY: BEV	DRAW BY: ABZ
DWG. TYPE: TS-1.34	SHEET NO. 40 OF 92

ROUTE 2 | BUS STOP #2

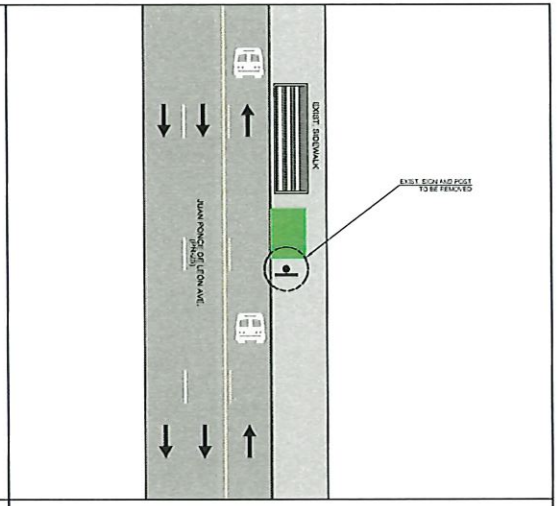
PHOTO - 1

PHOTO - 2

PHOTO - 3: PROPOSED SIGN LOCATION

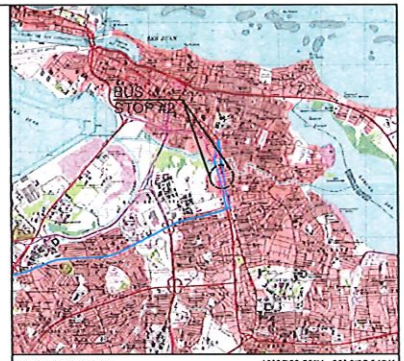


PROPOSED IMPROVEMENTS - ROUTE 2 | B.S.#2



EXIST. CONDITIONS - ROUTE 2 | B.S.#2

2.5 0 5 15
SCALE 1:200

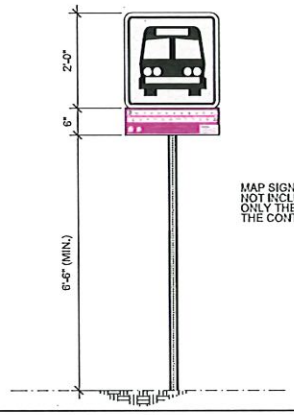


LOCATION PLAN
SCALE 1:20,000

18°25'55.56"N , 66° 3'32.91"W

AERIAL PHOTO
SCALE 1:1,000

GOOGLE EARTH
VERSION: 7.3.4.8642 PRO



MAP SIGN FABRICATION NOT INCLUDED IN THIS CONTRACT ONLY THE INSTALLATION BY THE CONTRACTOR

PROPOSED SIGN TYPE IV

NOT TO SCALE

LEGEND:

- PROP. SIGN TYPE I
- PROP. SIGN TYPE II
- PROP. SIGN TYPE III
- PROP. SIGN TYPE IV
- EXIST. SIGN
- PRIMA EXCLUSIVE LANE (AMA LANE)
- TRAFFIC DIRECTION

NOTES:

1. THE CONTRACTOR SHALL OBTAIN THE EXCAVATION, DEMOLITION AND PIPES PERMITTING FROM THE DEPARTMENT OF TRANSPORTATION, AND PUBLIC WORKS PRIOR THE BEGINNING OF EACH WORK SITE DURING THE PROJECT.
2. THE CONTRACTOR SHALL CONSULT THE PROJECT ENGINEER BEFORE THE INSTALLATION OF EACH STRUCTURE.
3. THE CONTRACTOR SHALL REMOVED THE EXISTING SIGN AND TRAFFIC POST. THESE STRUCTURE SHALL BE DELIVER TO THE PRIMA PERSONNEL.
4. THE CONTRACTOR SHALL REMOVE THE EXISTING POST FOUNDATION.
5. THE CONTRACTOR SHALL INSTALL THE PROPOSED SIGN IN THE PLANTING AREA, REFER TO PHOTO #3.
6. THE MINIMUM DISTANCE OF THE LATERAL LOCATION OF THE EDGE OF THE SIGN TO THE EXISTING ROAD CURB SHALL BE 0.60 M.

Yo, Hernan E. Lopez Baez, Ingeniero Licenciado 18134, certifico que soy el profesional que confeccionó, diseñó y preparó estos planos y las especificaciones correspondientes, también certifico que estimo que dichos planos y especificaciones cumplen con las disposiciones aplicables del Reglamento Conjunto y las disposiciones aplicables de los Reglamentos y Códigos de Construcción vigentes de los Municipios Autónomos Reglamentos o Ordenanzas Aplicables con Jurisdicción. Reconozco que cualquier declaración falsa o falsificación de los hechos que se haya producido por desconocimiento o por negligencia grave por mi, mis agentes o empleados, o por otra persona por mi consentida, me hacen responsable de cualquier acción judicial y disciplinaria por la OGPe.

ENZO Engineering, psc.
PO Box 3040, PMB 427
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TEL. (787) 649-6200 | LOPEZBAEZ@ENZOGROUPLLC.ORG

HERNAN E. LOPEZ BAEZ
INGENIERO LICENCIADO
PUERTO RICO
HERNAN E. LOPEZ BAEZ, PE MEM
LIC. 18134PE

BUS STOP SIGNAGE PROJECT - PHASE 1
ROUTE 2 | BUS STOP #2

FROM SAGRADO CORAZÓN TO BAYAMÓN
EXCLUSIVE LANE JUAN PONCE DE LEÓN AVENUE BEFORE OPPOSITE SIDE OF SEGARRA ST MUNICIPALITY OF SAN JUAN

AUTORIDAD METROPOLITANA DE AUTOBUSES

METROPOLITAN BUS AUTHORITY
BOX 195349
SAN JUAN, PR 00919-5349

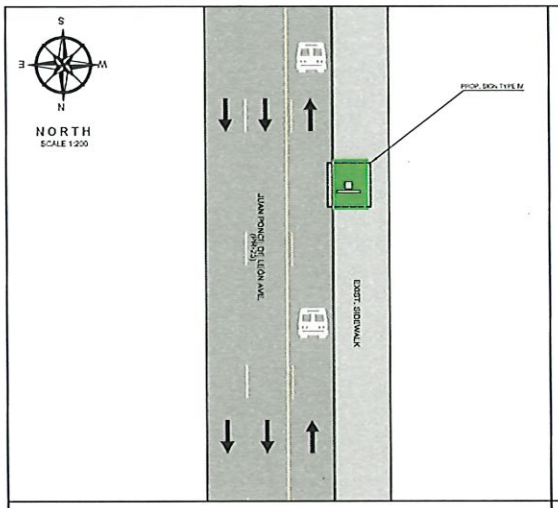
REVISION	
DATE: JUNE 2022	
CHECKED BY: BEV	DRAW BY: ABZ
DWG. TYPE: TS-2.01	SHEET NO. 41 OF 92

ROUTE 2 | BUS STOP #3

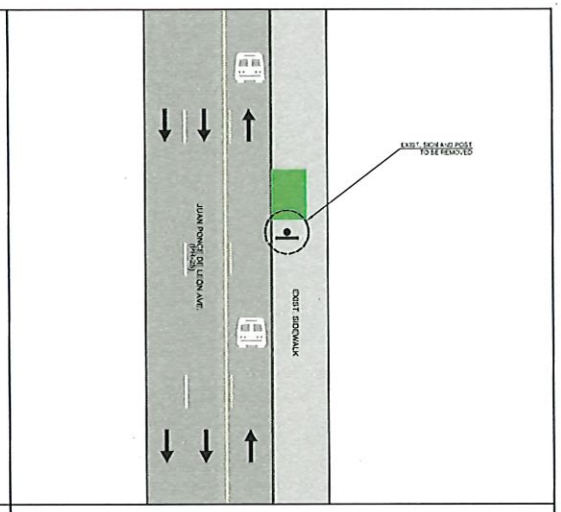
PHOTO - 1

PHOTO - 2

PHOTO - 3: PROPOSED SIGN LOCATION

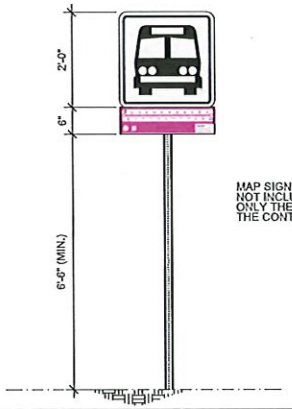


PROPOSED IMPROVEMENTS - ROUTE 2 | B.S.#3



EXIST. CONDITIONS - ROUTE 2 | B.S.#3

2.5 0 5 15
SCALE 1:200



MAP SIGN FABRICATION NOT INCLUDED IN THIS CONTRACT ONLY THE INSTALLATION BY THE CONTRACTOR

PROPOSED SIGN TYPE IV

NOT TO SCALE

LEGEND:

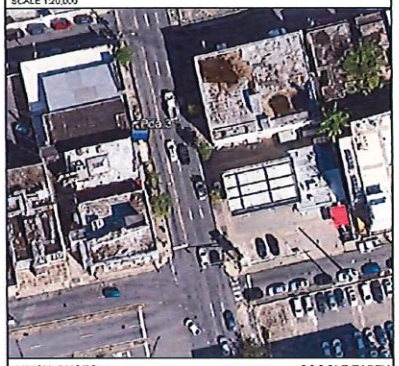
- PROP. SIGN TYPE I
- PROP. SIGN TYPE II
- PROP. SIGN TYPE III
- PROP. SIGN TYPE IV
- EXIST. SIGN
- PRIMA EXCLUSIVE LANE (HOV LANE)
- TRAFFIC DIRECTION

NOTES:

1. THE CONTRACTOR SHALL OBTAIN THE EXCAVATION, DEMOLITION AND PERMITS PERMITTING FROM THE DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS PRIOR THE BEGINNING OF EACH WORK SITE DURING THE PROJECT.
2. THE CONTRACTOR SHALL CONSULT THE PROJECT ENGINEER BEFORE THE INSTALLATION OF EACH STRUCTURE.
3. THE CONTRACTOR SHALL REMOVED THE EXISTING SIGN AND TRAFFIC POST LOCATED IN DIFFERENT PLACES (REFER PHOTO #3). THESE STRUCTURE SHALL BE DELIVER TO THE PRIMA PERSONNEL.
4. THE CONTRACTOR SHALL REMOVE THE EXISTING POST FOUNDATION.
5. THE CONTRACTOR SHALL TAKE INTO ACCOUNT THE LEVEL OF THE EXISTING AERIAL UTILITIES IN THE AREA BEFORE THE WORK PROCEDURES.
6. THE MINIMUM DISTANCE OF THE LATERAL LOCATION OF THE EDGE OF THE SIGN TO THE EXISTING ROAD CURB SHALL BE 6.0 M.
7. THE CONTRACTOR SHALL INSTALL THE PROPOSED SIGN IN THE PLANTING AREA, REFER TO PHOTO #3.

LOCATION PLAN
SCALE 1:20,000

18°25'48.12"N , 66° 3'31.39"W



AERIAL PHOTO
SCALE 1:1,000

GOOGLE EARTH
VERSION: 7.3.4.8542 PRO

Yo, Hernan E. Lopez Baez Ingeniero Licencia 18104, certifico que soy el profesional que confeccionó, diseñó y preparó estos planos y las especificaciones complementarias. También certifico que estamos que dichos planos y especificaciones cumplen con las disposiciones aplicables del Reglamento Conjunto y las disposiciones aplicables de los Reglamentos y Códigos de Construcción Vigentes de los Agencias, Juntas Reglamentarias o Corporaciones Públicas con Jurisdicción. Reconozco que cualquier declaración falsa o falsificación de los hechos que se haya producido por desconocimiento o por negligencia que sea por mí, mis agentes o empleados, o por otras personas con mi conocimiento, me hacen responsable de cualquier acción judicial y disciplinaria por la OGPe.

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TEL. (787) 649-6200 | LOPEZBAEZ@ENZOGROUPLLC.ORG

HERNAN E. LOPEZ BAEZ
INGENIERO LICENCIADO
PUERTO RICO

HERNAN E. LOPEZ BAEZ, PE MEM
LIC.-18-SAPE

BUS STOP SIGNAGE PROJECT - PHASE 1
ROUTE 2 | BUS STOP #3

FROM SAGRADO CORAZÓN TO BAYAMÓN
EXCLUSIVE LANE JUAN PONCE DE LEÓN AVENUE AFTER OPPOSITE SIDE OF SANTIAGO IGLESIAS ST. MUNICIPALITY OF SAN JUAN

AUTORIDAD METROPOLITANA DE AUTOBUSES

METROPOLITAN BUS AUTHORITY
BOX 195349
SAN JUAN, PR 00919-5349

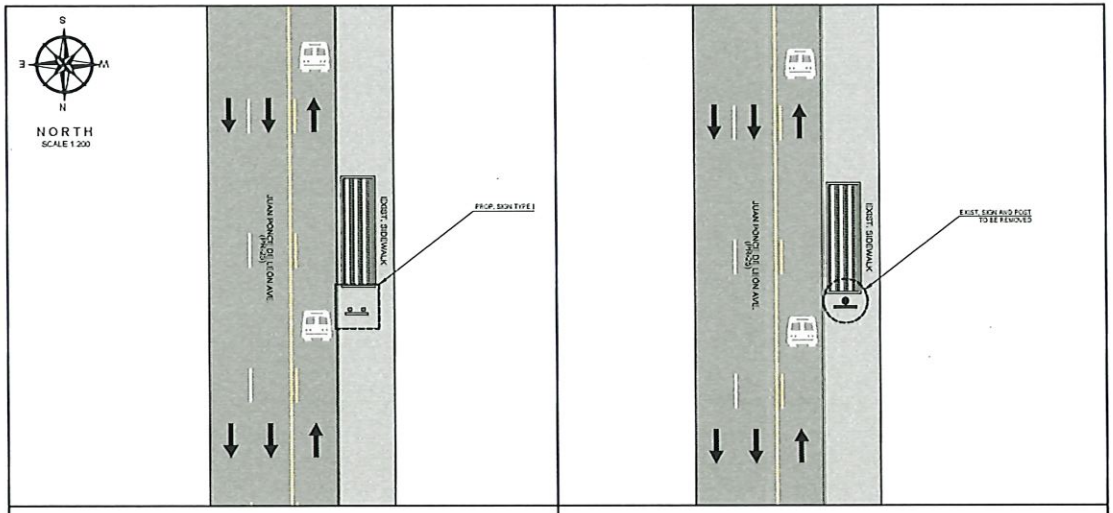
REVISION	
DATE: JUNE 2022	
CHECKED BY: BEV	DRAW BY: ABZ
DWG. TYPE: TS-2.02	SHEET NO. 42 OF 92

ROUTE 2 | BUS STOP #4

PHOTO - 1

PHOTO - 2

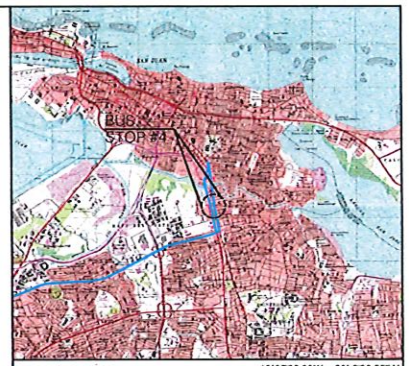
PHOTO - 3: PROPOSED SIGN LOCATION



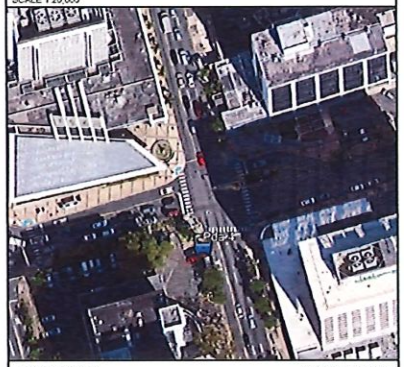
PROPOSED IMPROVEMENTS - ROUTE 2 | B.S.#4

EXIST. CONDITIONS - ROUTE 2 | B.S.#4

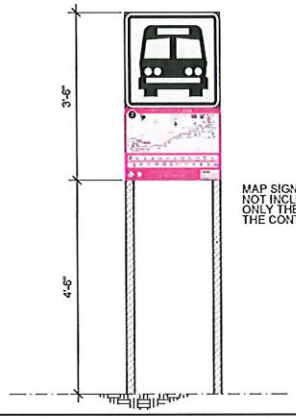
2.5 0 5 15
SCALE 1:200



LOCATION PLAN
SCALE 1:20,000
18°25'33.56"N , 66° 3'28.55"W



AERIAL PHOTO
SCALE 1:1,000
GOOGLE EARTH
VERSION: 7.3.4.86.42 PRO



MAP SIGN FABRICATION NOT INCLUDED IN THIS CONTRACT ONLY THE INSTALLATION BY THE CONTRACTOR

PROPOSED SIGN TYPE I

NOT TO SCALE

LEGEND

- PROP. SIGN TYPE I
- PROP. SIGN TYPE II
- PROP. SIGN TYPE III
- PROP. SIGN TYPE IV
- EXIST. SIGN
- FRMBA EXCLUSIVE LANE (AMA LANE)
- TRAFFIC DIRECTION

NOTES

1. THE CONTRACTOR SHALL OBTAIN THE EXCAVATION, EXECUTION AND FEES PERMITTING FROM THE DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS PRIOR TO THE BEGINNING OF EACH WORK SITE DURING THE PROJECT.
2. THE CONTRACTOR SHALL CONSULT THE PROJECT ENGINEER BEFORE THE INSTALLATION OF EACH STRUCTURE.
3. THE CONTRACTOR SHALL REMOVED THE EXISTING SIGN AND TRAFFIC POST. THESE STRUCTURE SHALL BE DELIVER TO THE FRMBA PERSONNEL.
4. THE CONTRACTOR SHALL REMOVE THE EXISTING POST FOUNDATION.
5. THE CONTRACTOR SHALL INSTALL THE PROPOSED SIGN IN THE EXISTING SAME PLACE OR BEFORE THE TRAFFIC SIGNAL POLE. REFER TO PHOTO #3.
6. THE MINIMUM DISTANCE OF THE LATERAL LOCATION OF THE EDGE OF THE SIGN TO THE EXISTING ROAD CURB SHALL BE 0.50 M.

Yo, Herman E. Lopez Baez, Ingeniero licencia 18154, certifico que soy el profesional que certificamos, diseña y prepara estos planos y las especificaciones complementarias. También certifico que entiendo que dichos planos y especificaciones cumplen con las disposiciones aplicables del Reglamento Conjunto y las disposiciones aplicables de los Reglamentos y Códigos de Construcción Vigentes de las Agencias, Juntas Reglamentarias o Corporaciones Públicas con jurisdicción. Reconozco que cualquier declaración falsa o falsificación de los hechos que se haya producido por desconocimiento o por negligencia, ya sea por mí, mis agentes o empleados, o por otras personas con mi conocimiento, me hacen responsable de cualquier acción judicial y disciplinaria por la OGPe.

ENZO Engineering, psc.
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GURABO, PR 00778
TEL. (787) 649-6200 | LOPEZBAEZ@ENZOGROUPLLC.ORG

HERMAN E. LOPEZ BAEZ, PE MEM
LIC. 18154PE

BUS STOP SIGNAGE PROJECT - PHASE 1
ROUTE 2 | BUS STOP #4

FROM SAGRADO CORAZÓN TO BAYAMÓN
EXCLUSIVE LANE JUAN PONCE DE LEÓN AVENUE AFTER OPPOSITE SIDE OF BOLIVIA ST. MUNICIPALITY OF SAN JUAN

AUTORIDAD METROPOLITANA DE AUTOBUSES

METROPOLITAN BUS AUTHORITY
BOX 195349
SAN JUAN, PR 00919-5349

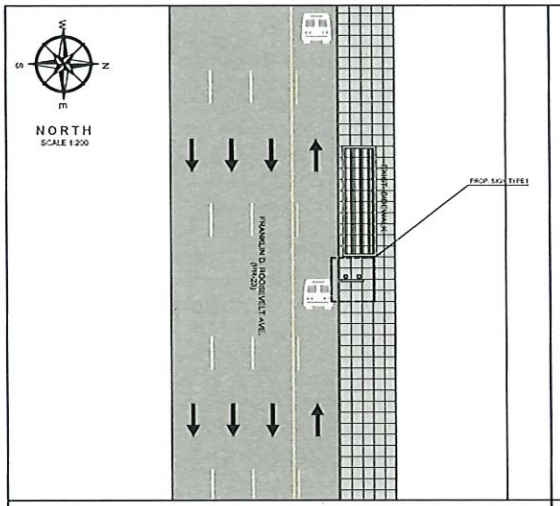
REVISION	
DATE: JUNE 2022	
CHECKED BY: BEV	DRAWN BY: ABZ
DWG. TYPE: TS-2.03	SHEET NO. 43 OF 92

ROUTE 2 | BUS STOP #5

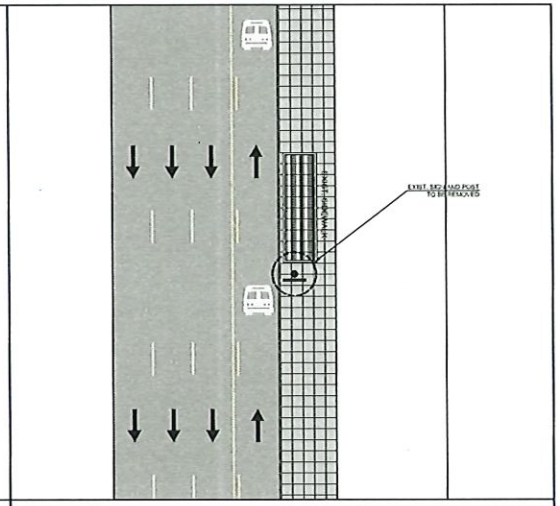
PHOTO - 1

PHOTO - 2

PHOTO - 3: PROPOSED SIGN LOCATION

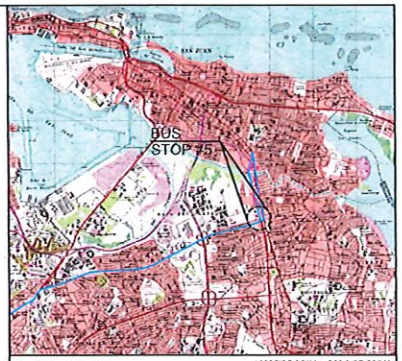


PROPOSED IMPROVEMENTS - ROUTE 2 | B.S.#5



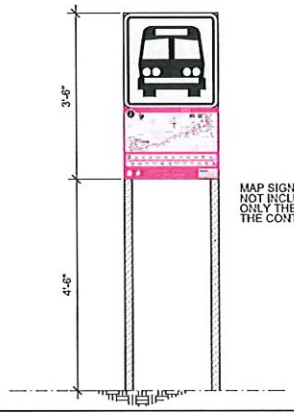
EXIST. CONDITIONS - ROUTE 2 | B.S.#5

2.5 0 5 15
SCALE 1:200



LOCATION PLAN
SCALE 1:20,000
18°25'25.92"N , 66° 3'27.80"W

AERIAL PHOTO
SCALE 1:1,000
GOOGLE EARTH
VERSION: 7.3.4.8542 PRO



MAP SIGN FABRICATION NOT INCLUDED IN THIS CONTRACT ONLY THE INSTALLATION BY THE CONTRACTOR

PROPOSED SIGN TYPE I

NOT TO SCALE

LEGEND:

- PROP. SIGN TYPE I
- PROP. SIGN TYPE II
- PROP. SIGN TYPE III
- PROP. SIGN TYPE IV
- EXIST. SIGN
- PRMBA EXCLUSIVE LANE (AMA LANE)
- TRAFFIC DIRECTION

NOTES:

1. THE CONTRACTOR SHALL OBTAIN THE EXCAVATION, DEMOLITION AND PERMITS PERMITTING FROM THE DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS PRIOR THE BEGINNING OF EACH WORK SITE DURING THE PROJECT.
2. THE CONTRACTOR SHALL CONSULT THE PROJECT ENGINEER BEFORE THE INSTALLATION OF EACH STRUCTURE.
3. THE CONTRACTOR SHALL REMOVED THE EXISTING SIGN AND TRAFFIC POST. THESE STRUCTURE SHALL BE DELIVER TO THE PRMBA PERSONNEL.
4. THE CONTRACTOR SHALL REMOVE THE EXISTING POST FOUNDATION.
5. THE CONTRACTOR SHALL INSTALL THE PROPOSED SIGN IN THE SIDEWALK AREA, BEFORE THE TREE (REFER PHOTO #3).
6. THE MINIMUM DISTANCE OF THE LATERAL LOCATION, OF THE EDGE OF THE SIGN TO THE EXISTING ROAD CURB SHALL BE 0.60 M.

Yo, Hernan E. López Báez Ingeniero Licencia 18134, certifico que soy el profesional que contribuyó diseñó y/o preparó estos planos y las especificaciones complementarias. También certifico que entiendo que dichos planos y especificaciones cumplen con las disposiciones aplicables del Reglamento Conjunto y las disposiciones aplicables de los Reglamentos y Códigos de Construcción Vigentes de las Agencias, Juntas Reglamentadoras o Corporaciones Públicas con Jurisdicción. Reconozco que cualquier deficiencia Mala o Malfuncción de los mismos que se haya producido por desconocimiento o por negligencia que sea por mi de agencias o terceros o por otras personas por mí consultadas, me hacen responsable de cualquier acción judicial y disciplinaria por la OGPe.

ENZO Engineering, psc.
PO Box 3040, PMB 427
Guaynabo, PR 00778
TEL. (787) 649-6200 | LOPEZBAEZ@ENZOGROUPLLC.ORG

HERNAN E. LOPEZ BAEZ
INGENIERO LICENCIADO
PUERTO RICO
HERNAN E. LOPEZ BAEZ, PE MEM
LIC. 18134PE

BUS STOP SIGNAGE PROJECT - PHASE 1
ROUTE 2 | BUS STOP #5

FROM SAGRADO CORAZÓN TO BAYAMÓN
TRANSICENTER FRANKLIN D. ROOSEVELT BEFORE
LUIS MUÑOZ RIVERA AVE. MUNICIPALITY OF SAN JUAN

AUTORIDAD METROPOLITANA DE AUTOBUSES

METROPOLITAN BUS AUTHORITY
BOX 195349
SAN JUAN, PR 00919-5349

REVISION	
DATE: JUNE 2022	
CHECKED BY: BEV	DRAW BY: ABZ
DWG. TYPE: TS-2.04	SHEET NO. 44 OF 92

ROUTE 2 | BUS STOP #6

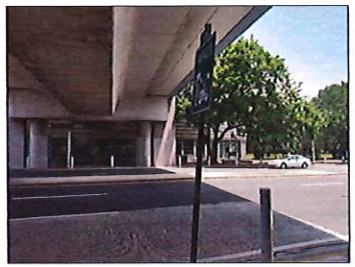
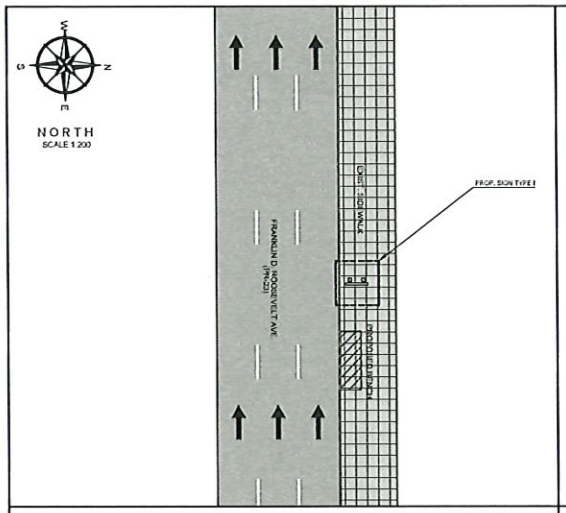


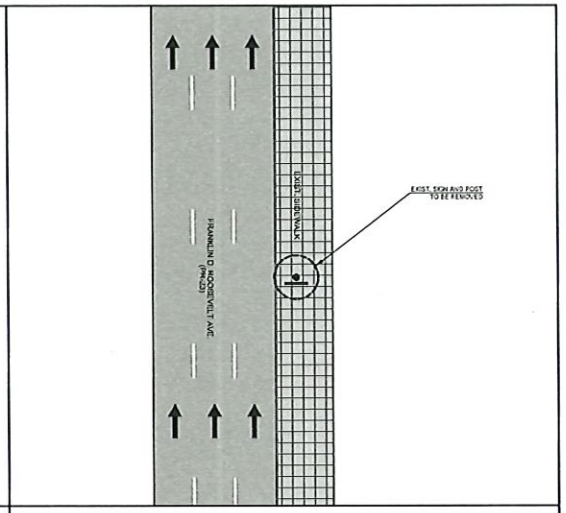
PHOTO - 1

PHOTO - 2

PHOTO - 3: PROPOSED SIGN LOCATION

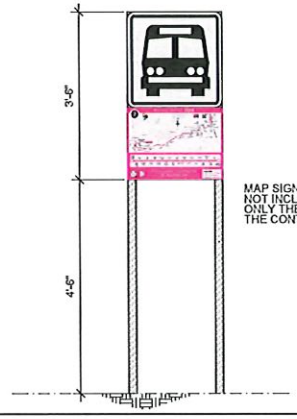


PROPOSED IMPROVEMENTS - ROUTE 2 | B.S.#6



EXIST. CONDITIONS - ROUTE 2 | B.S.#6

2.5 0 5 15
SCALE 1:200



MAP SIGN FABRICATION NOT INCLUDED IN THIS CONTRACT ONLY THE INSTALLATION BY THE CONTRACTOR

PROPOSED SIGN TYPE I

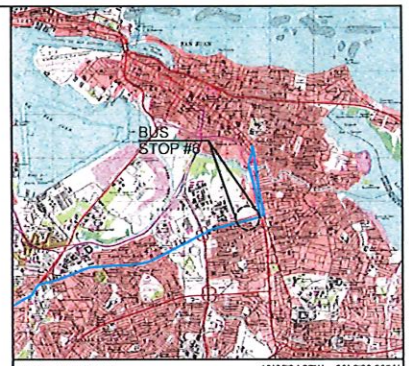
NOT TO SCALE

LEGEND:

- PROP. SIGN TYPE I
- PROP. SIGN TYPE II
- PROP. SIGN TYPE III
- PROP. SIGN TYPE IV
- EXIST. SIGN
- FRIMBA EXCLUSIVE LANE (AMA LANE)
- TRAFFIC DIRECTION
- PROPOSED BENCH

NOTES:

1. THE CONTRACTOR SHALL OBTAIN THE EXCAVATION, EXCAVATION AND PERMITTING FROM THE DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS PRIOR THE BEGINNING OF EACH INDIVIDUAL SITE DURING THE PROJECT.
2. THE CONTRACTOR SHALL CONSULT THE PROJECT ENGINEER BEFORE THE INSTALLATION OF EACH STRUCTURE.
3. THE CONTRACTOR SHALL REMOVED THE EXISTING SIGN AND TRAFFIC POST. THESE STRUCTURE SHALL BE DELIVER TO THE FRIMBA PERSONNEL.
4. THE CONTRACTOR SHALL REMOVE THE EXISTING POST FOUNDATION.
5. THE CONTRACTOR SHALL INSTALL THE PROPOSED SIGN IN TILES. THE CONTRACTOR SHALL COORDINATE THE INSTALLATION WITH ING OF THE MUNICIPALITY OF SAN JUAN. ADJUST THE SAME TILE TO INSTALL. BUY EIGHT TILES 8L.
6. THE MINIMUM DISTANCE OF THE LATERAL LOCATION OF THE EDGE OF THE SIGN TO THE EXISTING ROAD CURB SHALL BE 2.50 M.
7. THE CONTRACTOR SHALL INSTALL THE SIGN AND BENCH IN SIDEWALK, REFER TO PHOTO #3.



LOCATION PLAN
SCALE 1:20,000
18°25'24.07"N , 66° 3'32.39"W

AERIAL PHOTO
SCALE 1:1,000
GOOGLE EARTH
VERSION: 7.3.4.8642 PRO

Yo, Hernan E. Lopez Baez, Ingeniero licencia 18154, certifico que soy el profesional que confeccionó, diseñó y preparó estos planos y las especificaciones complementarias. También certifico que entiendo que dichos planos y especificaciones cumplen con las disposiciones aplicables del Reglamento Conjunto y las disposiciones aplicables de los Reglamentos y Código de Construcción vigentes de las Agencias, Juntas Reglamentarias o Corporaciones Públicas con jurisdicción. Reconozco que cualquier declaración falsa o falsificación de los hechos que se haya producido por desconocimiento o por negligencia, ya sea por mí, mis agentes o empleados, o por otras personas con mi consentimiento me hacen responsable de cualquier acción judicial y disciplinaria por la OGPe.

ENZO Engineering, psc.
PO Box 3040, PMB 427
Gurabo, PR 00778
TEL. (787) 649-6200 | LOPEZBAEZ@ENZOGROUPLLC.ORG

HERNAN E. LOPEZ BAEZ, PE MEM
LIC. 18154PE

BUS STOP SIGNAGE PROJECT - PHASE 1
ROUTE 2 | BUS STOP #6

FROM SAGRADO CORAZÓN TO BAYAMÓN
FRANKLIN D. ROOSEVELT AVENUE AFTER LUIS MUÑOZ RIVERA AVE.
MUNICIPALITY OF SAN JUAN

AUTORIDAD METROPOLITANA DE AUTOBUSES

METROPOLITAN BUS AUTHORITY
BOX 195349
SAN JUAN, PR 00919-5349

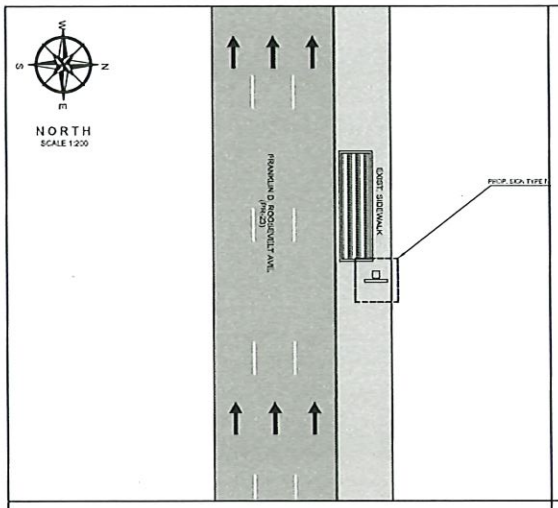
REVISION	
DATE: JUNE 2022	
CHECKED BY: BEV	DRAWN BY: ABZ
DWG. TYPE: TS-2.05	SHEET NO. 45 OF 92

ROUTE 2 | BUS STOP #7

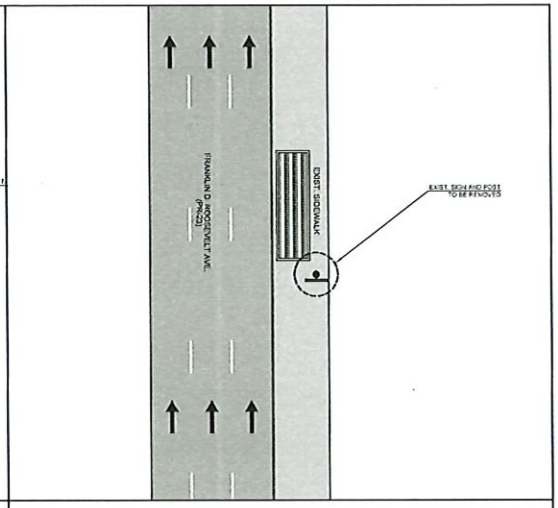
PHOTO - 1

PHOTO - 2

PHOTO - 3: PROPOSED SIGN LOCATION

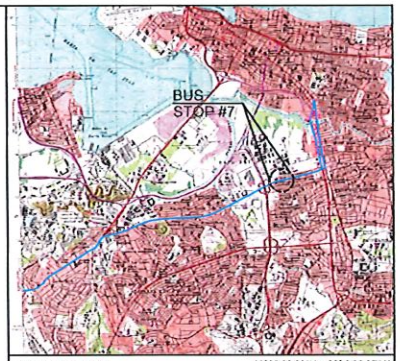


PROPOSED IMPROVEMENTS - ROUTE 2 | B.S.#7



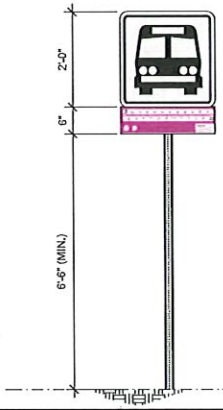
EXIST. CONDITIONS - ROUTE 2 | B.S.#7

2.5 0 5 15
SCALE 1:200



LOCATION PLAN
SCALE 1:20,000
18°25'22.33"N , 66° 3'33.07"W

AERIAL PHOTO
SCALE 1:1,000
GOOGLE EARTH
VERSION: 7.3.4.8542 PRO



MAP SIGN FABRICATION NOT INCLUDED IN THIS CONTRACT ONLY THE INSTALLATION BY THE CONTRACTOR

PROPOSED SIGN TYPE IV

NOT TO SCALE

LEGEND:

- PROP. SIGN TYPE I
- PROP. SIGN TYPE II
- PROP. SIGN TYPE III
- PROP. SIGN TYPE IV
- EXIST. SIGN
- PRMSA EXCLUSIVE LANE (AMA LANE)
- TRAFFIC DIRECTION

NOTES:

1. THE CONTRACTOR SHALL OBTAIN THE EXCAVATION, DEMOLITION AND PIPES PERMITTING FROM THE DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS PRIOR THE BEGINNING OF EACH WORK SITE DURING THE PROJECT.
2. THE CONTRACTOR SHALL CONSULT THE PROJECT ENGINEER BEFORE THE INSTALLATION OF EACH STRUCTURE.
3. THE CONTRACTOR SHALL REMOVED THE EXISTING SIGN AND TRAFFIC POST. THESE STRUCTURE SHALL BE DELIVER TO THE PRMSA PERSONNEL.
4. THE CONTRACTOR SHALL REMOVE THE EXISTING POST FOUNDATION.
5. THE MINIMUM DISTANCE OF THE LATERAL LOCATION OF THE EDGE OF THE SIGN TO THE EXISTING ROAD CURB SHALL BE 0.60 M.
6. THE CONTRACTOR SHALL INSTALL THE PROPOSED SIGN IN THE SIDEWALK AREA, REFER TO PHOTO #1.

Yo, Hernan E. Lopez Baez Ingeniero licencia 19104 certifico que soy el profesional que confeccionó, diseñó y/o preparó estos dibujos y las especificaciones complementarias, también certifico que entiendo que dichos planos y especificaciones cumplen con las disposiciones aplicables del Reglamento Conjunto y las disposiciones aplicables de los Reglamentos y Códigos de Construcción vigentes de las Agencias Juntas Reglamentadoras o Corporaciones Públicas con Jurisdicción. Reconozco que cualquier declaración falsa o falsificación de los hechos que se haga producirá por consiguiente, o por negligencia grave por mi, mis agentes o empleados, o por otras personas con mi conocimiento, me hacen responsable de cualquier acción judicial y civil establecida por la OCPA.

ENZO Engineering, psc.
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HERNAN E. LOPEZ BAEZ
INGENIERO LICENCIADO
PUERTO RICO
HERNAN E. LOPEZ BAEZ, PE MEM
LIC. 19104

BUS STOP SIGNAGE PROJECT - PHASE 1
ROUTE 2 | BUS STOP #7

FROM SAGRADO CORAZÓN TO BAYAMÓN
FRANKLIN D. ROOSEVELT AVENUE AFTER FERNANDO 1RST. ST.
MUNICIPALITY OF SAN JUAN

AUTORIDAD METROPOLITANA DE AUTOBUSES

METROPOLITAN BUS AUTHORITY
BOX 195349
SAN JUAN, PR 00919-5349

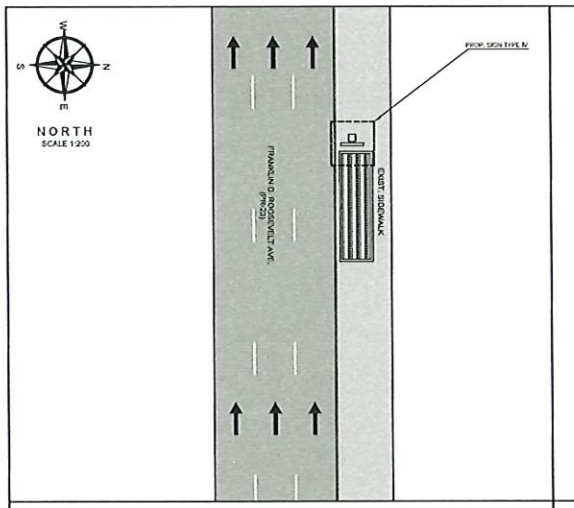
REVISION	
DATE: JUNE 2022	
CHECKED BY: BEV	DRAW BY: ABZ
DWG. TYPE: TS-2.06	SHEET NO. 46 OF 92

ROUTE 2 | BUS STOP #8

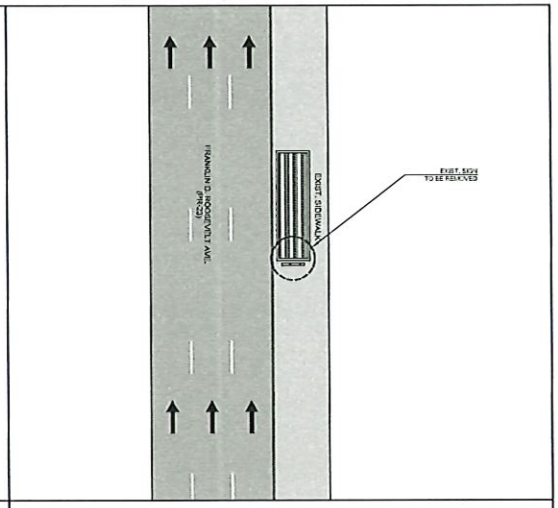
PHOTO - 1

PHOTO - 2

PHOTO - 3: PROPOSED SIGN LOCATION

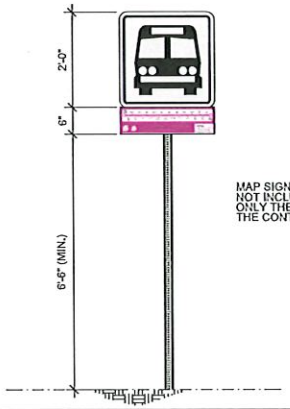


PROPOSED IMPROVEMENTS - ROUTE 2 | B.S.#8



EXIST. CONDITIONS - ROUTE 2 | B.S.#8

2.5 0 5 15
SCALE 1:200



MAP SIGN FABRICATION NOT INCLUDED IN THIS CONTRACT ONLY THE INSTALLATION BY THE CONTRACTOR

PROPOSED SIGN TYPE IV

NOT TO SCALE

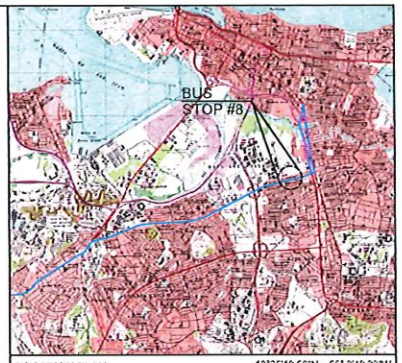
LEGEND:

- PROP. SIGN TYPE I
- PROP. SIGN TYPE II
- PROP. SIGN TYPE III
- PROP. SIGN TYPE IV
- EXIST. SIGN
- PRIMBA EXCLUSIVE LANE (AMA LANE)
- TRAFFIC DIRECTION

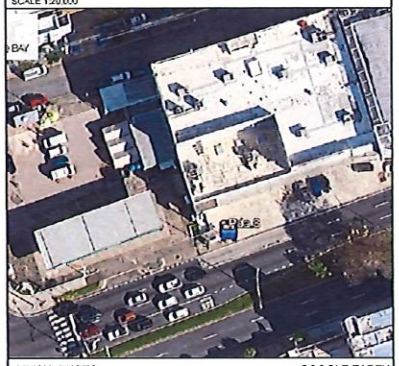
NOTES:

1. THE CONTRACTOR SHALL OBTAIN THE EXCAVATION, DEVOLUTION AND PIPES PERMITTING FROM THE DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS PRIOR THE BEGINNING OF EACH WORK SITE DURING THE PROJECT.
2. THE CONTRACTOR SHALL CONSULT THE PROJECT ENGINEER BEFORE THE INSTALLATION OF EACH STRUCTURE.
3. THE CONTRACTOR SHALL REMOVED THE EXISTING SIGN. THESE STRUCTURE SHALL BE DELIVER TO THE PRIMBA PERSONNEL.
4. THE CONTRACTOR SHALL INSTALL THE PROPOSED SIGN IN SIDEWALK, NOT TO SHELTERS ADVERTISEMENT. REFER TO PI-670 #3.
5. THE MAXIMUM DISTANCE OF THE LATERAL LOCATION OF THE EDGE OF THE SIGN TO THE EXISTING ROAD CURB SHALL BE 0.61 M.

Yo, Hernan E. López Baez, Ingeniero Licenciado 18134, certifico que soy el profesional que confeccionó, diseñó y preparó estos planos y las especificaciones cumplen con las Normas, certifico que estos planos y especificaciones cumplen con las disposiciones aplicables del Reglamento Conjunto y las disposiciones aplicables de los Reglamentos y Códigos de Construcción Vigentes de las Agencias, Juntas, Reglamentadoras o Corporaciones Públicas con Jurisdicción. Reconozco que cualquier deficiencia, Mala o Malfunción de los sistemas que se haya producido por desconocimiento o por negligencia, yo no me hago responsable y por otra personas con mi conocimiento, no tener responsabilidad de cualquier acción judicial y/o civil, ya sea por la OCPR.



LOCATION PLAN
SCALE 1:20,000
18°25'19.68"N , 65° 3'49.33"W



AERIAL PHOTO
SCALE 1:1,000
GOOGLE EARTH
VERSION: 7.3.4.8542 PRO

ENZO Engineering, psc.
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TEL. (787) 649-6200 | LOPEZBAEZ@ENZOGROUPLLC.ORG

HERNAN E. LOPEZ BAEZ
INGENIERO LICENCIADO
PUERTO RICO
HERNAN E. LOPEZ BAEZ, PE MEM
LIC. 18134

BUS STOP SIGNAGE PROJECT - PHASE 1
ROUTE 2 | BUS STOP #8

FROM SAGRADO CORAZÓN TO BAYAMÓN
FRANKLIN D. ROOSEVELT AVENUE AFTER FERNANDO 1RST. ST.
MUNICIPALITY OF SAN JUAN

AUTORIDAD METROPOLITANA DE AUTOBUSES

METROPOLITAN BUS AUTHORITY
BOX 195349
SAN JUAN, PR 00919-5349

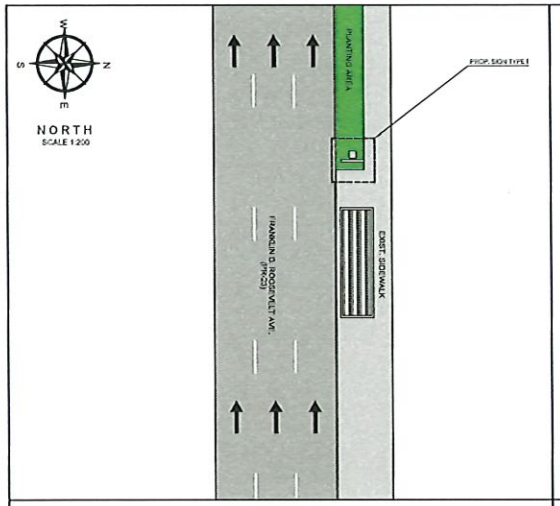
REVISION	
DATE: JUNE 2022	
CHECKED BY: BEV	DRAW BY: ABZ
DWG. TYPE: TS-2.07	SHEET NO. 47 OF 92

ROUTE 2 | BUS STOP #9

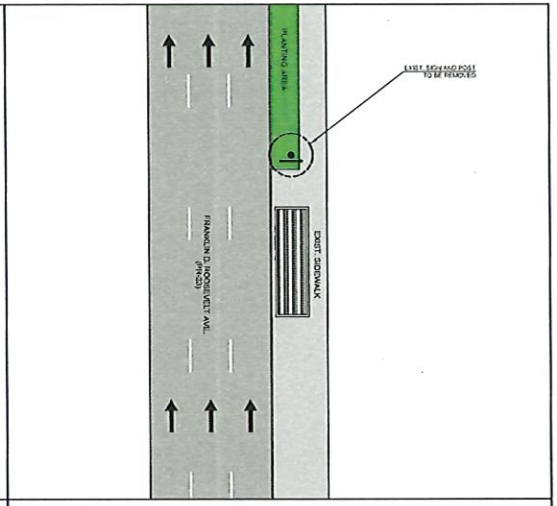
PHOTO - 1

PHOTO - 2

PHOTO - 3: PROPOSED SIGN LOCATION

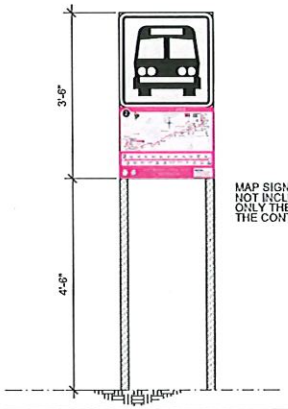


PROPOSED IMPROVEMENTS - ROUTE 2 | B.S.#9



EXIST. CONDITIONS - ROUTE 2 | B.S.#9

2.5 0 5 15
SCALE 1:200



MAP SIGN FABRICATION NOT INCLUDED IN THIS CONTRACT ONLY THE INSTALLATION BY THE CONTRACTOR

PROPOSED SIGN TYPE I

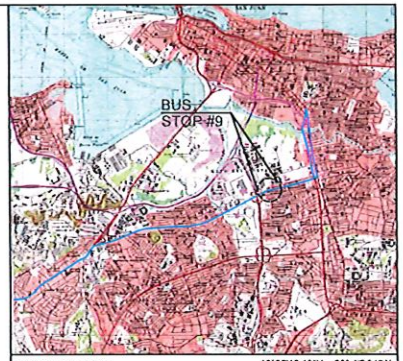
NOT TO SCALE

LEGEND:

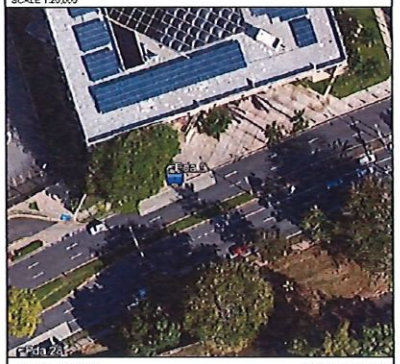
- PROP. SIGN TYPE I
- PROP. SIGN TYPE II
- PROP. SIGN TYPE III
- PROP. SIGN TYPE IV
- EXIST. SIGN
- PRIMA EXCLUSIVE LANE (AMA LANE)
- TRAFFIC DIRECTION

NOTES:

1. THE CONTRACTOR SHALL OBTAIN THE EXCAVATION, DEMOLITION AND PERMIT PERMITTING FROM THE DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS PRIOR THE BEGINNING OF EACH WORK SITE DURING THE PROJECT.
2. THE CONTRACTOR SHALL CONSULT THE PROJECT ENGINEER BEFORE THE INSTALLATION OF EACH STRUCTURE.
3. THE CONTRACTOR SHALL REMOVED THE EXISTING SIGN AND TRAFFIC POST. THESE STRUCTURE SHALL BE DELIVER TO THE PRIMA PERSONNEL.
4. THE CONTRACTOR SHALL REMOVE THE EXISTING POST FOUNDATION.
5. THE MINIMUM DISTANCE OF THE LATERAL LOCATION OF THE EDGE OF THE SIGN TO THE EXISTING ROAD CURB SHALL BE 0.60 M.
6. THE CONTRACTOR SHALL INSTALL THE PROPOSED SIGN IN THE PLANTING AREA. REFER TO PHOTO #1.



LOCATION PLAN
SCALE 1:20,000
18°25'16.10"N , 66° 4'5.94"W



AERIAL PHOTO
SCALE 1:1,000
GOOGLE EARTH
VERSION: 7.3.4.8642 PRO

Yo, Hernan E. Lopez Baez, Ingeniero Licenciado (P.E.M.), certifico que soy el profesional que preparó estos planos y las especificaciones completas de los Contratos, y certifico que entiendo que dichos planos y especificaciones cumplen con las disposiciones aplicables del Reglamento Conjunto y las disposiciones aplicables de los Reglamentos y Códigos de Construcción Vigentes en las Agencias, Juntas Reglamentadoras o Corporaciones Públicas con Jurisdicción. Reconozco que cualquier deficiencia o falta o omisión que se haya producido por desconocimiento o por negligencia de mi parte, me hará responsable, y por ello personas con el consentimiento, me hacen responsable de cualquier acción judicial y daños ante la OGPe.

ENZO Engineering, psc.
PO Box 3040, PMB 427
Guraabo, PR 00778
TEL. (787) 649-6200 | LOPEZBAEZ@ENZOGROUPLLC.ORG

HERNAN E. LOPEZ BAEZ, PE MEM
LIC. 18-54PE

BUS STOP SIGNAGE PROJECT - PHASE 1
ROUTE 2 | BUS STOP #9

FROM SAGRADO CORAZÓN TO BAYAMÓN
FRANKLIN D. ROOSEVELT AVENUE AFTER
SOLDADO RAFAEL LAMAR GUERRA ST. MUNICIPALITY OF SAN JUAN

AUTORIDAD METROPOLITANA DE AUTOBUSES

METROPOLITAN BUS AUTHORITY
BOX 195349
SAN JUAN, PR 00919-5349

REVISION	
DATE: JUNE 2022	
CHECKED BY: BEV	DRAW BY: ABZ
DWG. TYPE: TS-2.08	SHEET NO. 48 OF 92

ROUTE 2 | BUS STOP #10

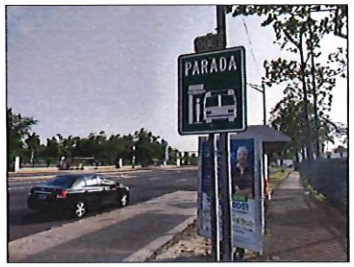
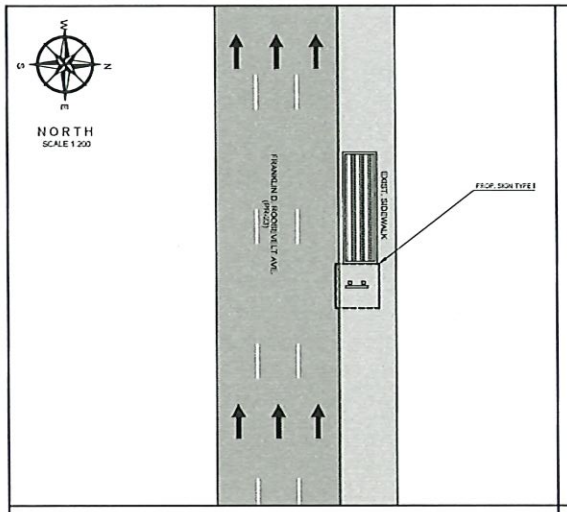


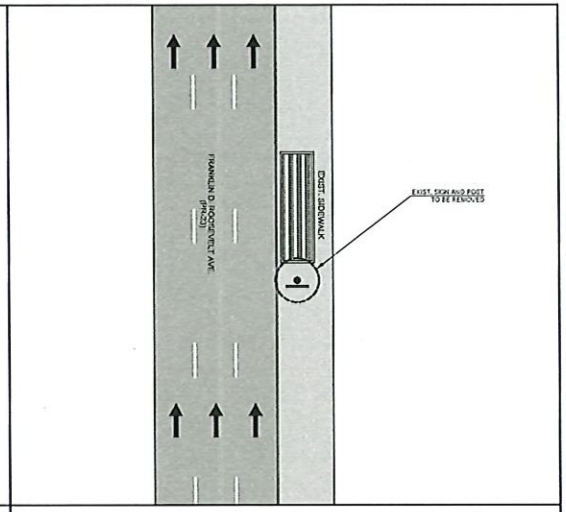
PHOTO - 1

PHOTO - 2

PHOTO - 3: PROPOSED SIGN LOCATION

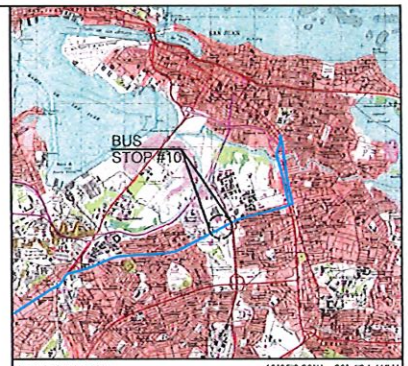


PROPOSED IMPROVEMENTS - ROUTE 2 | B.S.#10

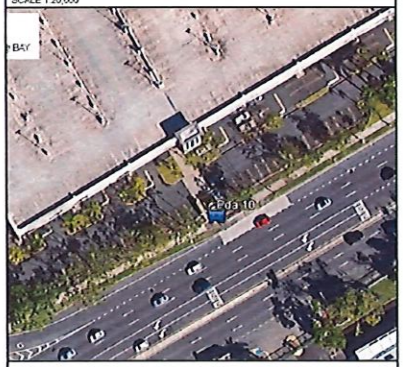


EXIST. CONDITIONS - ROUTE 2 | B.S.#10

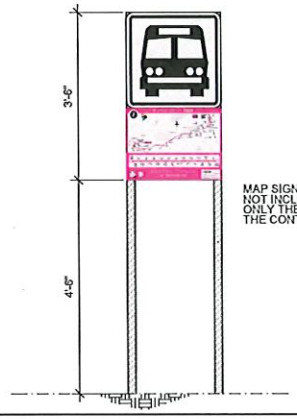
2.5 0 5 15
SCALE 1:200



LOCATION PLAN
SCALE 1:20,000
18°25'8.00"N , 66° 4'24.41"W



AERIAL PHOTO
SCALE 1:1,000
GOOGLE EARTH
VERSION 7.3.4.8642 PRO



MAP SIGN FABRICATION NOT INCLUDED IN THIS CONTRACT ONLY THE DISTALLATION BY THE CONTRACTOR

PROPOSED SIGN TYPE I

NOT TO SCALE

LEGEND:

- PROP. SIGN TYPE I
- PROP. SIGN TYPE II
- PROP. SIGN TYPE III
- PROP. SIGN TYPE IV
- EXIST. SIGN
- FERMBA EXCLUSIVE LANE (AMA LANE)
- TRAFFIC DIRECTION

NOTES:

1. THE CONTRACTOR SHALL OBTAIN THE EXCAVATION, DEMOLITION AND PERMITTING FROM THE DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS PRIOR THE BEGINNING OF EACH WORK SITE DURING THE PROJECT.
2. THE CONTRACTOR SHALL CONSULT THE PROJECT ENGINEER BEFORE THE INSTALLATION OF EACH STRUCTURE.
3. THE CONTRACTOR SHALL REMOVED THE EXISTING SIGN AND TRAFFIC POST, THESE STRUCTURE SHALL BE DELIVER TO THE FRMBA PERSONNEL.
4. THE CONTRACTOR SHALL REMOVE THE EXISTING POST FOUNDATION.
5. THE MINIMUM DISTANCE OF THE LATERAL LOCATION OF THE EDGE OF THE SIGN TO THE EXISTING ROAD CURB SHALL BE 0.60 M.
6. THE CONTRACTOR SHALL INSTALL THE PROPOSED SIGN IN THE SIDEWALK AREA, REFER TO PHOTO #3.

Yo, Hernan E. Lopez Baez, Ingeniero licencia 18156, certifico que soy el profesional que confeccionó, diseñó y preparó estos planos y las especificaciones complementarias. También certifico que estos planos y especificaciones cumplen con las disposiciones aplicables del Reglamento Conjunto y las disposiciones aplicables de los Reglamentos y Código de Construcción Vigentes de las Agencias Juntas Reglamentadoras o Corporaciones Públicas con jurisdicción. Reconozco que cualquier desviación leve o Multimodal de los hechos que se haya producido por desconocimiento o por negligencia ya sea por mí, mis agentes o empleados, o por otras personas con no conocimiento me hacen responsable de cualquier acción judicial y disciplinaria por la SGPe.

ENZO Engineering, psc.
PO Box 3040, PMB 427
Guraabo, PR 00778
TEL. (787) 649-6200 | LOPEZBAEZ@ENZOGROUPLLC.ORG

HERNAN E. LOPEZ BAEZ, PE MEM
LIC. 18156PE

BUS STOP SIGNAGE PROJECT - PHASE 1
ROUTE 2 | BUS STOP #10

FROM SAGRADO CORAZÓN TO BAYAMÓN
FRANKLIN D. ROOSEVELT AVENUE BEFORE LAS AMÉRICAS ST.
MUNICIPALITY OF SAN JUAN

AUTORIDAD METROPOLITANA DE AUTOBUSES

METROPOLITAN BUS AUTHORITY
BOX 195349
SAN JUAN, PR 00919-5349

REVISION	
DATE JUNE 2022	
CHECKED BY BEV	DRAW BY. ABZ
DWG. TYPE TS-2.09	SHEET NO. 49 OF 92

ROUTE 2 | BUS STOP #11

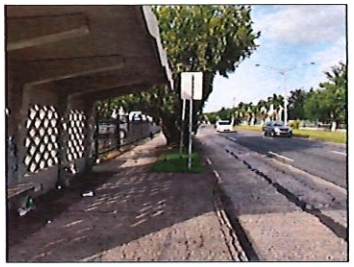
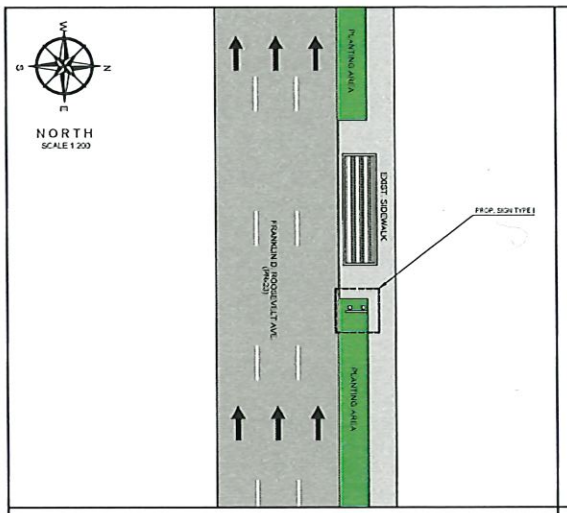


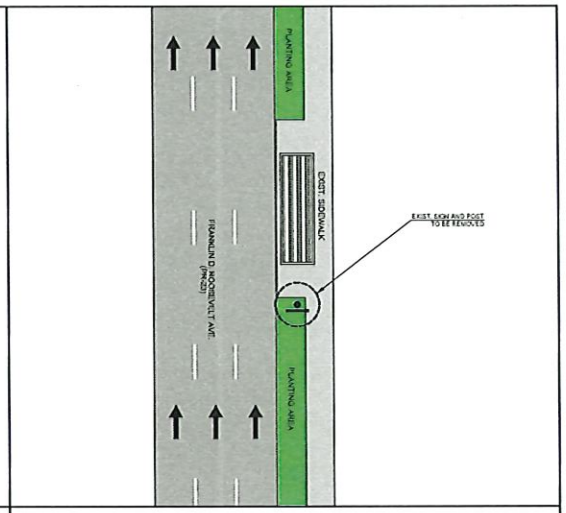
PHOTO - 1

PHOTO - 2

PHOTO - 3: PROPOSED SIGN LOCATION

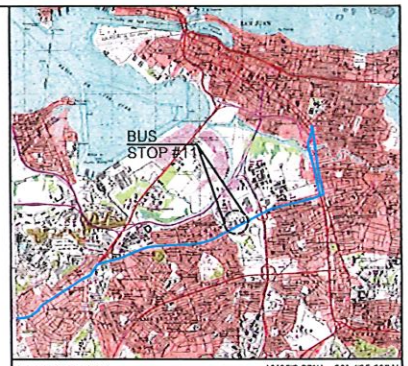


PROPOSED IMPROVEMENTS - ROUTE 2 | B.S.#11



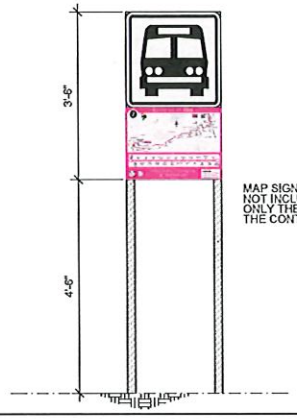
EXIST. CONDITIONS - ROUTE 2 | B.S.#11

2.5 0 5 15
SCALE 1:200



LOCATION PLAN
SCALE 1:20,000
18°25'2.37"N , 66° 4'35.69"W

AERIAL PHOTO
SCALE 1:1,000
GOOGLE EARTH
VERSION: 7.3.4.8642 PRO



MAP SIGN FABRICATION
NOT INCLUDED IN THIS CONTRACT
ONLY THE INSTALLATION BY
THE CONTRACTOR

PROPOSED SIGN TYPE I

NOT TO SCALE

LEGEND:

- PROP. SIGN TYPE I
- PROP. SIGN TYPE II
- PROP. SIGN TYPE III
- PROP. SIGN TYPE IV
- EXIST. SIGN
- PRMBA EXCLUSIVE LANE (AMA LANE)
- TRAFFIC DIRECTION

NOTES:

1. THE CONTRACTOR SHALL OBTAIN THE EXCAVATION, DEMOLITION AND PERMITTING FROM THE DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS PRIOR THE BEGINNING OF EACH WORK SITE DURING THE PROJECT.
2. THE CONTRACTOR SHALL CONSULT THE PROJECT ENGINEER BEFORE THE INSTALLATION OF EACH STRUCTURE.
3. THE CONTRACTOR SHALL REMOVES THE EXISTING SIGN AND TRAFFIC POST, THESE STRUCTURE SHALL BE DELIVER TO THE PRMBA PERSONNEL.
4. THE CONTRACTOR SHALL REMOVE THE EXISTING POST FOUNDATION.
5. THE CONTRACTOR SHALL CUT THE BRANCHES TREE SECTION INDICATED IN PHOTO #3.
6. THE MINIMUM DISTANCE OF THE LATERAL LOCATION OF THE EDGE OF THE SIGN TO THE EXISTING ROAD CURB SHALL BE 0.30 M.
7. THE CONTRACTOR SHALL INSTALL THE PROPOSED SIGN IN THE PLANTING AREA, REFER TO PHOTO #3.

Yo, Hernan E. Lopez Baez, Ingeniero, licencia 18154, certifico que soy el profesional que confeccionó, diseñó y preparó estos planos y las especificaciones completo-verificadas. También certifico que entiendo que dichos planos y especificaciones cumplen con las disposiciones aplicables del Reglamento Conjunto y las disposiciones aplicables de los Reglamentos y Códigos de Construcción Vigentes de las Agencias, Juntas Reglamentadoras o Corporaciones Públicas con jurisdicción. Reconozco que cualquier declaración falsa o falsificación de los hechos que se haya producido por desconocimiento o por negligencia grave por mi, me aparten o omplo alos, o por otras personas con mi consentimiento, me hacen responsable de cualquier acción judicial y disciplinaria por la OGPe.

ENZO Engineering, psc.
PO Box 3040, PMB 427
Guraso, PR 00778
TEL. (787) 649-6200 | LOPEZBAEZ@ENZOGROUPLLC.ORG

HERNAN E. LOPEZ BAEZ
INGENIERO
LICENCIADO
PUERTO RICO

HERNAN E. LOPEZ BAEZ, PE MEM
LIC. 18154PE

BUS STOP SIGNAGE PROJECT - PHASE 1
ROUTE 2 | BUS STOP #11

FROM SAGRADO CORAZÓN TO BAYAMÓN
FRANKLIN D. ROOSEVELT AVENUE INT. NEMESIO CANALES ST.
MUNICIPALITY OF SAN JUAN

AUTORIDAD
METROPOLITANA DE AUTOBUSES

METROPOLITAN BUS AUTHORITY
BOX 195349
SAN JUAN, PR 00919-5349

REVISION	
DATE: JUNE 2022	
CHECKED BY: BEV	DRAW BY: ABZ
DWG. TYPE: TS-2.10	SHEET NO. 50 OF 92

ROUTE 2 | BUS STOP #12

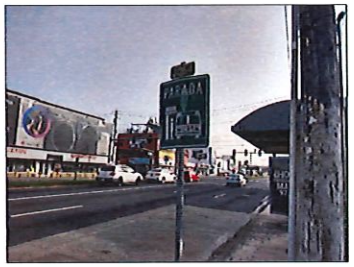


PHOTO - 1

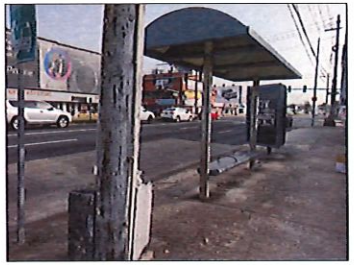


PHOTO - 2

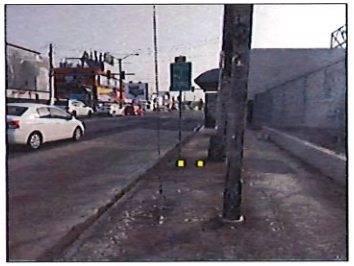
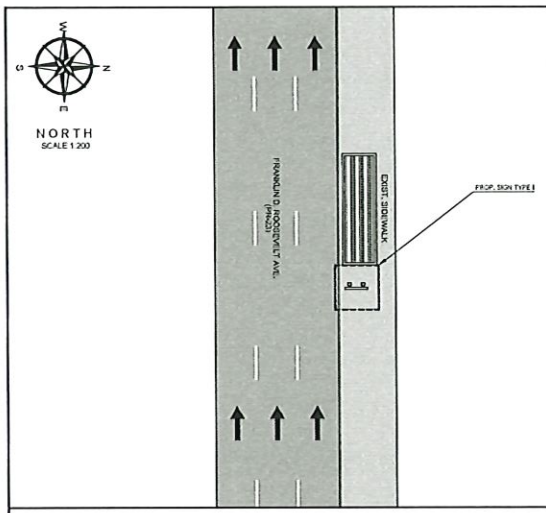
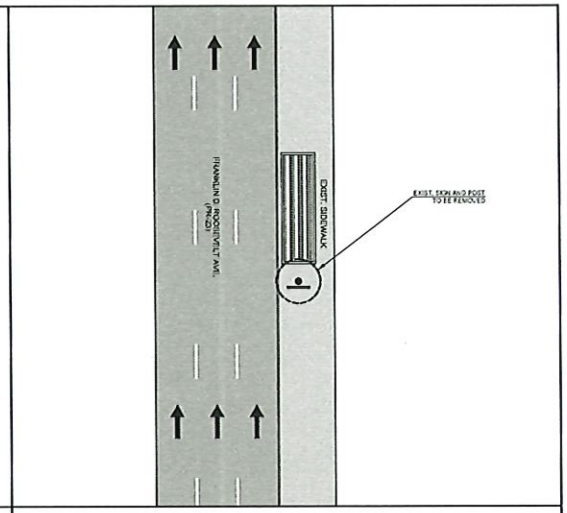


PHOTO - 3: PROPOSED SIGN LOCATION

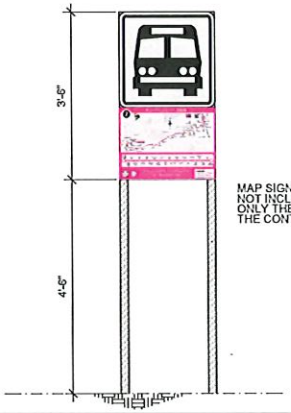


PROPOSED IMPROVEMENTS - ROUTE 2 | B.S.#12



EXIST. CONDITIONS - ROUTE 2 | B.S.#12

2.5 0 5 15
SCALE 1:200



MAP SIGN FABRICATION NOT INCLUDED IN THIS CONTRACT ONLY THE INSTALLATION BY THE CONTRACTOR

PROPOSED SIGN TYPE I

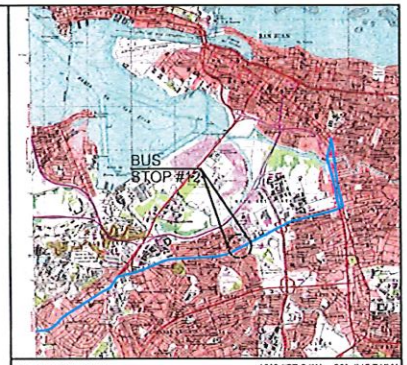
NOT TO SCALE

LEGEND:

- PROP. SIGN TYPE I
- PROP. SIGN TYPE II
- PROP. SIGN TYPE III
- PROP. SIGN TYPE IV
- EXIST. SIGN
- FRMBA EXCLUSIVE LANE (AMA LANE)
- TRAFFIC DIRECTION

NOTES:

1. THE CONTRACTOR SHALL OBTAIN THE EXCAVATION, DEMOLITION AND PIPES PERMITTING FROM THE DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS PRIOR THE BEGINNING OF EACH WORK SITE DURING THE PROJECT.
2. THE CONTRACTOR SHALL CONSULT THE PROJECT ENGINEER BEFORE THE INSTALLATION OF EACH STRUCTURE.
3. THE CONTRACTOR SHALL REMOVED THE EXISTING SIGN AND TRAFFIC POST, THESE STRUCTURE SHALL BE DELIVER TO THE FRMBA PERSONNEL.
4. THE CONTRACTOR SHALL REMOVE THE EXISTING POST FOUNDATION.
5. THE CONTRACTOR SHALL TAKE INTO ACCOUNT THE LEVELS OF THE EXISTING AERIAL UTILITIES IN THE AREA BEFORE THE WORK PROCEDURES.
6. THE MINIMUM DISTANCE OF THE LATERAL LOCATION OF THE EDGE OF THE SIGN TO THE EXISTING ROAD DURB SHALL BE 0.30 M.
7. THE CONTRACTOR SHALL INSTALL THE PROPOSED SIGN IN THE SIDEWALK AREA, REFER TO PHOTO #3.



LOCATION PLAN
SCALE 1:20,000

18°24'57.64"N , 66° 4'45.71"W

AERIAL PHOTO
SCALE 1:1,000

GOOGLE EARTH
VERSION: 7.3.4.8642 PRO

Yo, Hernan E. Lopez Baez, Ingeniero, licencia 18-54, certifico que soy el profesional que confeccionó, diseñó y preparó estos planos y las especificaciones completo contenidos. También certifico que entiendo que dichos planos y especificaciones cumplen con las disposiciones aplicables del Reglamento Conjunto y las disposiciones aplicables de los Reglamentos y Códigos de Construcción Vigentes de las Agencias, Juntas Reglamentadoras o Corporaciones Públicas con jurisdicción. Reconozco que cualquier desviación Mínima Multicausal de los hechos que se haya producido por desconocimiento o por negligencia ya sea por mí, mis agentes o empleados, o por otras personas con mi conocimiento me hacen responsable de cualquier acción judicial y disciplinaria por la OGPe.

ENZO Engineering, psc.
PO Box 3040, PMB 427
Guaraño, PR 00778
TEL. (787) 649-6200 | LOPEZBAEZ@ENZOGROUPLLC.ORG

HERNAN E. LOPEZ BAEZ
INGENIERO
LICENCIADO
PUERTO RICO

HERNAN E. LOPEZ BAEZ, PE MEM
LIC. 18-54PE

BUS STOP SIGNAGE PROJECT - PHASE 1
ROUTE 2 | BUS STOP #12

FROM SAGRADO CORAZÓN TO BAYAMÓN
FRANKLIN D. ROOSEVELT AVENUE INT. 25 N.E. ST.
MUNICIPALITY OF SAN JUAN

AUTORIDAD METROPOLITANA DE AUTOBUSES

METROPOLITAN BUS AUTHORITY
BOX 195349
SAN JUAN, PR 00919-5349

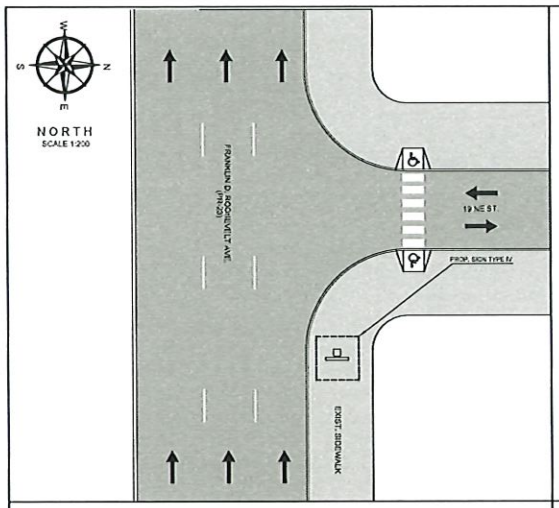
REVISION	
DATE JUNE 2022	
CHECKED BY BEV	DRAW BY. ABZ
DWG. TYPE TS-2.11	SHEET NO. 51 OF 92

ROUTE 2 | BUS STOP #13

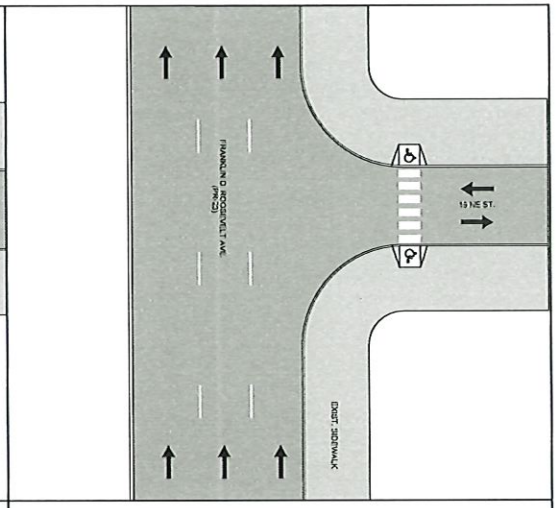
PHOTO - 1

PHOTO - 2

PHOTO - 3: PROPOSED SIGN LOCATION

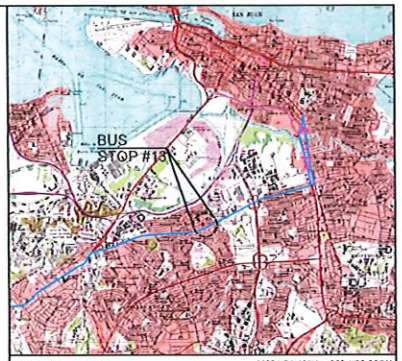


PROPOSED IMPROVEMENTS - ROUTE 2 | B.S.#13

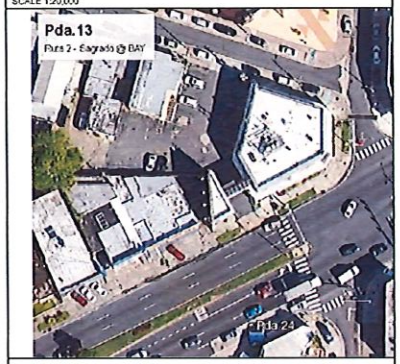


EXIST. CONDITIONS - ROUTE 2 | B.S.#13

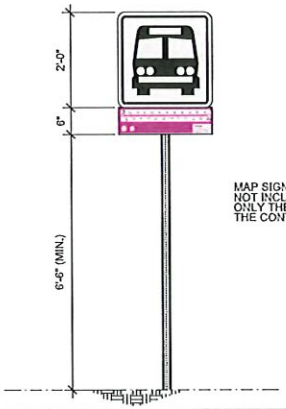
2.5 0 5 15
SCALE 1:200



LOCATION PLAN
SCALE 1:20,000
18°24'54.40"N , 66° 4'52.65"W



AERIAL PHOTO
SCALE 1:1,000
GOOGLE EARTH
VERSION: 7.3.4.8542 PRO



MAP SIGN FABRICATION NOT INCLUDED IN THIS CONTRACT ONLY THE INSTALLATION BY THE CONTRACTOR

PROPOSED SIGN TYPE IV

NOT TO SCALE

LEGEND:

- PROP. SIGN TYPE I
- PROP. SIGN TYPE II
- PROP. SIGN TYPE III
- PROP. SIGN TYPE IV
- EXIST. SIGN
- FRIMBA EXCLUSIVE LANE (AMA LANE)
- TRAFFIC DIRECTION

NOTES:

1. THE CONTRACTOR SHALL OBTAIN THE EXCAVATION, DEMOLITION AND PIPES PERMITTING FROM THE DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS PRIOR THE BEGINNING OF EACH WORK SITE DURING THE PROJECT.
2. THE CONTRACTOR SHALL CONSULT THE PROJECT ENGINEER BEFORE THE INSTALLATION OF EACH STRUCTURE.
3. THE CONTRACTOR SHALL INSTALL THE PROPOSED SIGN AWAY FROM THE TRAFFIC SIGNAL UTILITIES. REFER TO PHOTO #3.
4. THE MINIMUM DISTANCE OF THE LATERAL LOCATION OF THE EDGE OF THE SIGN TO THE EXISTING ROAD CURB SHALL BE 0.60 M.

Yo, Hernan E. Lopez Baez Ingeniero Licencia 18164, certifico que soy el profesional con jurisdicción, diseño y/o preparé estos planos y las especificaciones complementarias. También certifico que entiendo que dichos planos y especificaciones cumplen con las disposiciones aplicables del Reglamento Conjunto y las disposiciones aplicables de los Reglamentos y Códigos de Construcción Vigentes de las Agencias, Juntas Reglamentadoras y Corporaciones Públicas con Jurisdicción. Reconozco que cualquier desviación falsa o falsificación de los hechos que se haya producido por descuido básico o por negligencia grave por mí, mis agentes o empleados o por otras personas en mi representación, me hacen responsable de cualquier acción judicial y disciplinaria por la DOPR.

ENZO Engineering, psc.
PO Box 3040, PMB 427
Gurabo, PR 00778
TEL. (787) 649-6200 | LOPEZBAEZ@ENZOGROUPLLC.ORG

HERNAN E. LOPEZ BAEZ
INGENIERO LICENCIADO
PUERTO RICO
HERNAN E. LOPEZ BAEZ, PE MEM
LIC. 18164

BUS STOP SIGNAGE PROJECT - PHASE 1
ROUTE 2 | BUS STOP #13

FROM SAGRADO CORAZÓN TO BAYAMÓN
FRANKLIN D. ROOSEVELT AVENUE INT. 19 N.E. ST.
MUNICIPALITY OF SAN JUAN

AUTORIDAD METROPOLITANA DE AUTOBUSES

METROPOLITAN BUS AUTHORITY
BOX 195349
SAN JUAN, PR 00919-5349

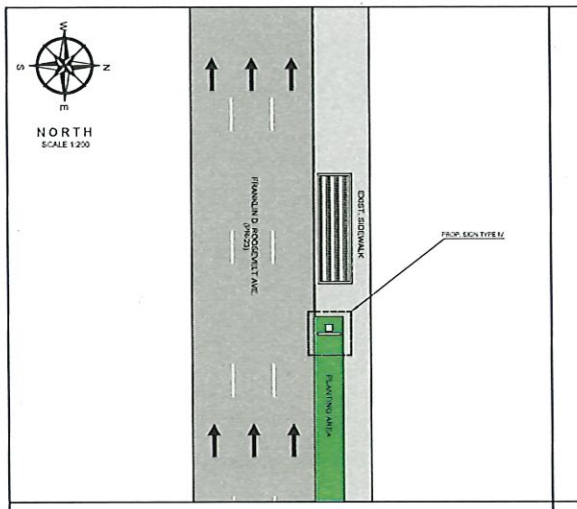
REVISION	
DATE: JUNE 2022	
CHECKED BY: BEV	DRAW BY: ABZ
DWG. TYPE: TS-2.12	SHEET NO. 52 OF 92

ROUTE 2 | BUS STOP #14

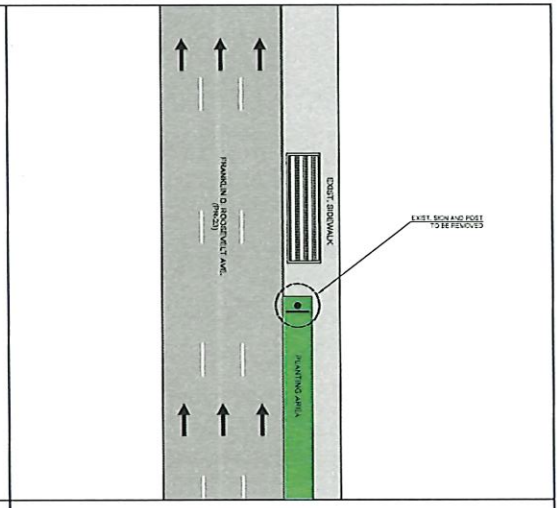
PHOTO - 1

PHOTO - 2

PHOTO - 3: PROPOSED SIGN LOCATION

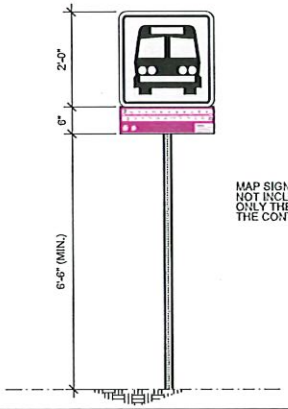


PROPOSED IMPROVEMENTS - ROUTE 2 | B.S.#14



EXIST. CONDITIONS - ROUTE 2 | B.S.#14

2.5 0 5 15
SCALE 1:200



MAP SIGN FABRICATION NOT INCLUDED IN THIS CONTRACT ONLY THE INSTALLATION BY THE CONTRACTOR

PROPOSED SIGN TYPE IV

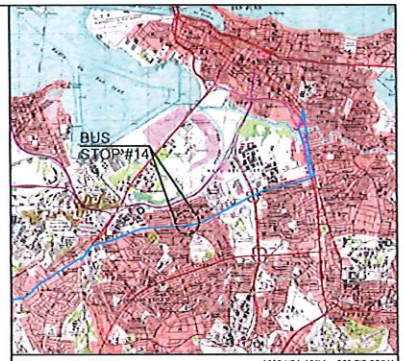
NOT TO SCALE

LEGEND:

- PROP. SIGN TYPE I
- PROP. SIGN TYPE II
- PROP. SIGN TYPE III
- PROP. SIGN TYPE IV
- EXIST. SIGN
- PRIMA EXCLUSIVE LANE (AMA LANE)
- TRAFFIC DIRECTION

NOTES:

1. THE CONTRACTOR SHALL OBTAIN THE EXCAVATION, DEMOLITION AND PIPES PERMITTING FROM THE DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS PRIOR THE BEGINNING OF EACH WORK SITE DURING THE PROJECT.
2. THE CONTRACTOR SHALL CONSULT THE PROJECT ENGINEER BEFORE THE INSTALLATION OF EACH STRUCTURE.
3. THE CONTRACTOR SHALL REMOVED THE EXISTING SIGN AND TRAFFIC POST. THESE STRUCTURE SHALL BE DELIVER TO THE PRIMA PERSONNEL.
4. THE CONTRACTOR SHALL REMOVE THE EXISTING POST FOUNDATION.
5. THE CONTRACTOR SHALL INSTALL THE PROPOSED SIGN IN THE PLANTING AREA, REFER TO PHOTOS.



LOCATION PLAN
SCALE 1:20,000
18°24'51.18"N , 66° 5'2.82"W

AERIAL PHOTO
SCALE 1:1,000
GOOGLE EARTH
VERSION: 7.3.4.8642 PRO

Yo, Hernan E. Lopez Baez Ingeniero Electrico 18134 certifico bajo mi profesional leal y conocimiento, diseño y/o preparé estos planos y las especificaciones para la construcción, fiel a los mismos que dichos planos y especificaciones cumplen con las disposiciones aplicables del Reglamento Conjunto y las disposiciones aplicables de los Reglamentos y Códigos de Construcción Vigentes de las Agencias, Juntas Reglamentadoras o Corporaciones Públicas con Jurisdicción. Reconozco que cualquier desviación, falta o omisión de los hechos que se haya producido por desconocimiento o por negligencia, que me por mi o mis agentes o empleados, o por otras personas con mi consentimiento, me hacen responsable de cualquier acción judicial y disciplinaria por la DCPA.

ENZO Engineering, psc.
PO Box 3040, PMB 427
Gurabo, PR 00778
TEL. (787) 649-6200 | LOPEZBAEZ@ENZOGROUPLLC.ORG

HERNAN E. LOPEZ BAEZ, PE MEM
LIC. # 5495

BUS STOP SIGNAGE PROJECT - PHASE 1
ROUTE 2 | BUS STOP #14

FROM SAGRADO CORAZÓN TO BAYAMÓN
FRANKLIN D. ROOSEVELT AVENUE BEFORE INT. 7 N.E. ST.
MUNICIPALITY OF SAN JUAN

AUTORIDAD METROPOLITANA DE AUTOBUSES

METROPOLITAN BUS AUTHORITY
BOX 195349
SAN JUAN, PR 00919-5349

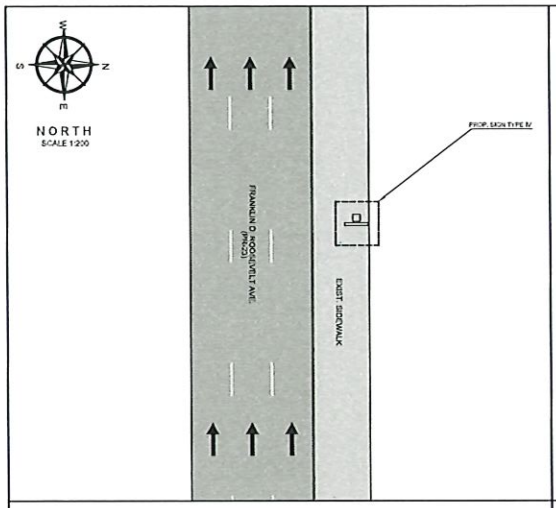
REVISION	
DATE: JUNE 2022	
CHECKED BY: BEV	DRAW BY: ABZ
DWG. TYPE: TS-2.13	SHEET NO. 53 OF 92

ROUTE 2 | BUS STOP #15

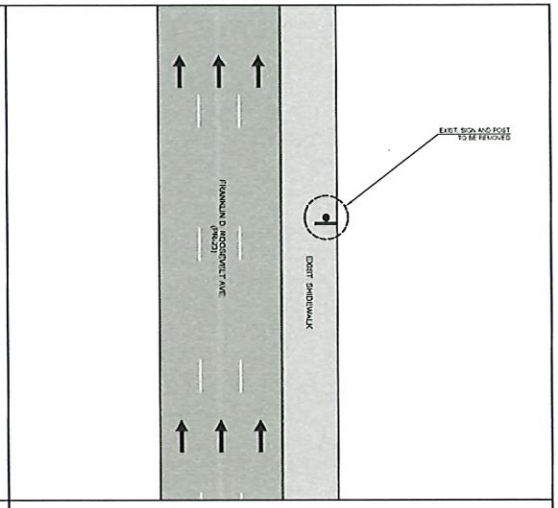
PHOTO - 1

PHOTO - 2

PHOTO - 3: PROPOSED SIGN LOCATION

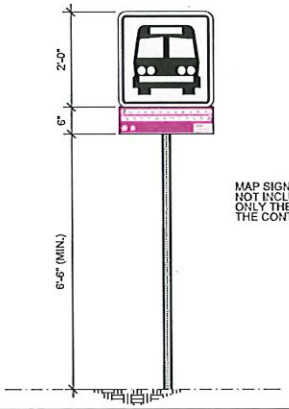


PROPOSED IMPROVEMENTS - ROUTE 2 | B.S.#15



EXIST. CONDITIONS - ROUTE 2 | B.S.#15

2.5 0 5 15
SCALE 1:200



MAP SIGN FABRICATION NOT INCLUDED IN THIS CONTRACT ONLY THE INSTALLATION BY THE CONTRACTOR

PROPOSED SIGN TYPE IV

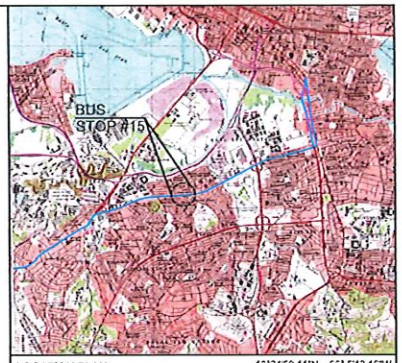
NOT TO SCALE

LEGEND:

- PROP. SIGN TYPE I
- PROP. SIGN TYPE II
- PROP. SIGN TYPE III
- PROP. SIGN TYPE IV
- EXIST. SIGN
- PRMBA EXCLUSIVE LANE (MIA LANE)
- TRAFFIC DIRECTION

NOTES:

1. THE CONTRACTOR SHALL OBTAIN THE EXCAVATION, DEMOLITION AND PIPES PERMITTING FROM THE DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS PRIOR THE BEGINNING OF EACH WORK SITE DURING THE PROJECT.
2. THE CONTRACTOR SHALL CONSULT THE PROJECT ENGINEER BEFORE THE INSTALLATION OF EACH STRUCTURE.
3. THE CONTRACTOR SHALL REMOVE THE EXISTING SIGN AND TRAFFIC POST. THESE STRUCTURE SHALL BE DELIVER TO THE PRMBA PERSONNEL.
4. THE CONTRACTOR SHALL REMOVE THE EXISTING POST FOUNDATION.
5. THE CONTRACTOR SHALL INSTALL THE PROPOSED SIGN IN SIDEWALK NEXT TO WALL. REFER TO FIGURE #3.
6. THE MINIMUM DISTANCE OF THE LATERAL LOCATION OF THE EDGE OF THE SIGN TO THE EXISTING ROAD CURB SHALL BE 0.60 M.



LOCATION PLAN
SCALE 1:20,000

18°24'50.11"N , 66° 5'13.16"W

AERIAL PHOTO
SCALE 1:1,000

GOOGLE EARTH
VERSION: 7.3.4.8542 PRO

Yo, Hernan E. Lopez Baez Ingeniero Licencia 18164, certifico que soy el profesional que confeccionó, diseñó y/o preparó estos planos y las especificaciones para la ejecución de Turnkey, certifico que entiendo que dichos planos y especificaciones cumplen con las disposiciones aplicables del Reglamento Conjunto y las disposiciones aplicables de los Reglamentos y Códigos de Construcción vigentes de las Agencias, Juntas Reglamentadoras y Corporaciones Públicas con jurisdicción. Reconozco que cualquier deficiencia, falta o omisión de los hechos que se haya producido por desconocimiento o por negligencia que sea por mí, mis agentes o empleados, o por otras personas con mi conocimiento, me hacen responsable de cualquier acción judicial y distribuirla por la DOPW.

ENZO Engineering, psc.
PO Box 3040, PMB 427
Guraabo, PR 00778
TEL. (787) 649-6200 | LOPEZBAEZ@ENZOGROUPLLC.ORG

HERNAN E. LOPEZ BAEZ
INGENIERO MECANICO
PUERTO RICO
HERNAN E. LOPEZ BAEZ, PE MEM
LIC. 18164

BUS STOP SIGNAGE PROJECT - PHASE 1
ROUTE 2 | BUS STOP #15

FROM SAGRADO CORAZÓN TO BAYAMÓN
FRANKLIN D. ROOSEVELT AVENUE BEFORE JOSÉ DE DIEGO AVE.
MUNICIPALITY OF SAN JUAN

AUTORIDAD METROPOLITANA DE AUTOBUSES

METROPOLITAN BUS AUTHORITY
BOX 195349
SAN JUAN, PR 00919-5349

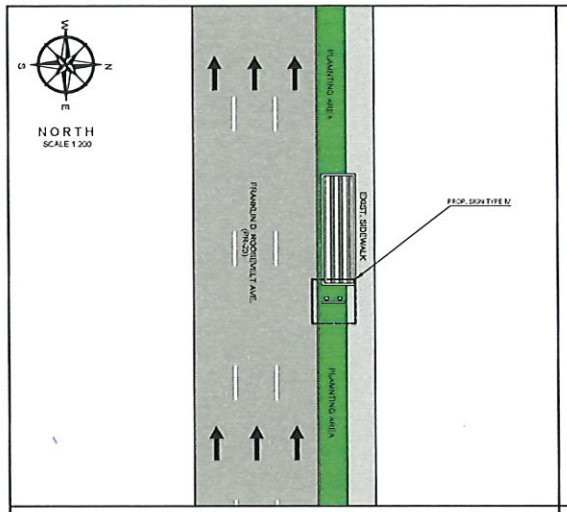
REVISION	
DATE: JUNE 2022	
CHECKED BY: BEV	DRAW BY: ABZ
DWG. TYPE: TS-2.14	SHEET NO. 54 OF 92

ROUTE 2 | BUS STOP #16

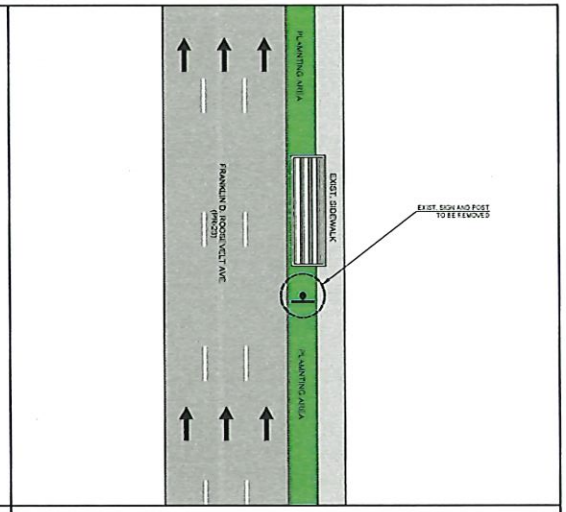
PHOTO - 1

PHOTO - 2

PHOTO - 3: PROPOSED SIGN LOCATION

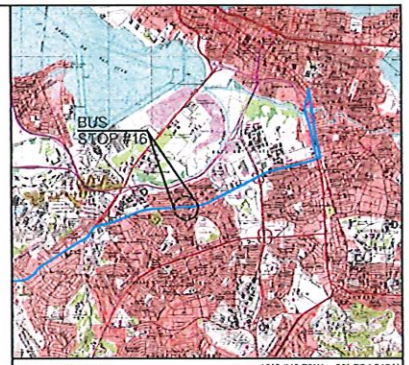


PROPOSED IMPROVEMENTS - ROUTE 2 | B.S.#16



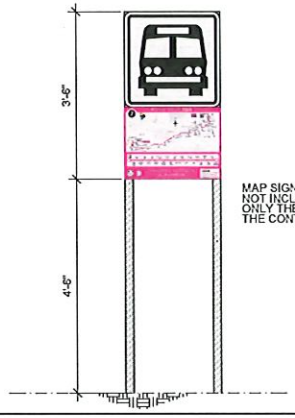
EXIST. CONDITIONS - ROUTE 2 | B.S.#16

2.5 0 5 15
SCALE 1:200



LOCATION PLAN
SCALE 1:20,000
18°24'49.70"N , 66° 5'24.31"W

AERIAL PHOTO
SCALE 1:1,000
GOOGLE EARTH
VERSION: 7.3.4.8542 PRO



MAP SIGN FABRICATION
NOT INCLUDED IN THIS CONTRACT
ONLY THE INSTALLATION BY
THE CONTRACTOR

PROPOSED SIGN TYPE IV

NOT TO SCALE

LEGEND:

- PROP. SIGN TYPE I
- PROP. SIGN TYPE II
- PROP. SIGN TYPE III
- PROP. SIGN TYPE IV
- EXIST. SIGN
- FRMBA EXCLUSIVE LANE (AMA LANE)
- TRAFFIC DIRECTION

NOTES:

1. THE CONTRACTOR SHALL OBTAIN THE EXCAVATION, DEMOLITION AND PIPES PERMITTING FROM THE DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS PRIOR THE BEGINNING OF EACH WORK SITE DURING THE PROJECT.
2. THE CONTRACTOR SHALL CONSULT THE PROJECT ENGINEER BEFORE THE INSTALLATION OF EACH STRUCTURE.
3. THE CONTRACTOR SHALL REMOVES THE EXISTING SIGN AND TRAFFIC POST. THESE STRUCTURE SHALL BE DELIVER TO THE FRMBA PERSONNEL.
4. THE CONTRACTOR SHALL REMOVE THE EXISTING POST FOUNDATION.
5. THE CONTRACTOR SHALL TAKE INTO ACCOUNT THE LEVEL OF THE EXISTING AERIAL UTILITIES IN THE AREA BEFORE THE WORK PROCEDURES.
6. THE MINIMUM DISTANCE OF THE LATERAL LOCATION OF THE EDGE OF THE SIGN TO THE EXISTING ROAD DURB SHALL BE 6'-M.
7. THE CONTRACTOR SHALL INSTALL THE PROPOSED SIGN IN PLANTING AREA, REFER TO PHOTO #3.

Yo, Hernan E. López Báez, ingeniero licencia 18154, certifico que soy el profesional que confeccionó, diseñó y preparó estos planos y las especificaciones completo-verifica. También certifico que entiendo que estos planos y especificaciones cumplen con las disposiciones aplicables del Reglamento Conjunto y las disposiciones aplicables de los Reglamentos y Códigos de Construcción Vigentes de las Agencias, Juntas Reglamentadoras o Corporaciones Públicas con jurisdicción. Reconozco que cualquier deficiencia Mala o Malicioso de los hechos que se haya producido por desconocimiento o por negligencia que no sea mi, me agentes o empleados, y por otras personas con no consultoría me hacer responsable de cualquier acción judicial y disciplinaria por la OGPe.

ENZO Engineering, psc.
PO Box 3040, PMB 427
Guaraba, PR 00778
TEL. (787) 649-6200 | LOPEZBAEZ@ENZOGROUPLLC.ORG

HERNAN E. LOPEZ BAEZ
INGENIERO LICENCIADO
PUERTO RICO

HERNAN E. LOPEZ BAEZ, PE MEM
LIC. 18154PE

BUS STOP SIGNAGE PROJECT - PHASE 1
ROUTE 2 | BUS STOP #16

FROM SAGRADO CORAZÓN TO BAYAMÓN
FRANKLIN D. ROOSEVELT AVENUE AFTER JOSÉ DE DIEGO AVE.
MUNICIPALITY OF SAN JUAN

AUTORIDAD METROPOLITANA DE AUTOBUSES

METROPOLITAN BUS AUTHORITY
BOX 195349
SAN JUAN, PR 00919-5349

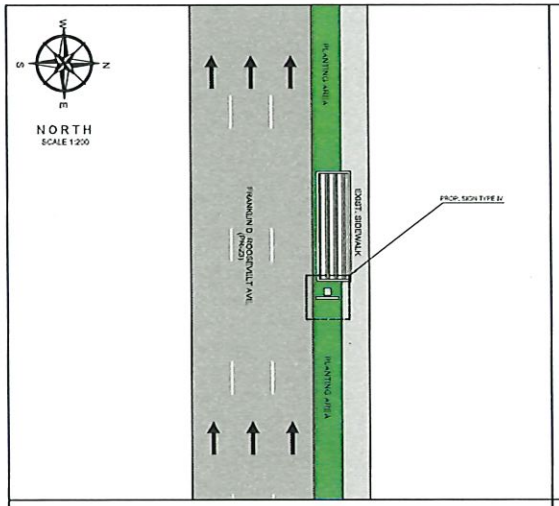
REVISION	
DATE JUNE 2022	
CHECKED BY BEV	DRAW BY. ABZ
DWG. TYPE TS-2.15	SHEET NO. 55 OF 92

ROUTE 2 | BUS STOP #17

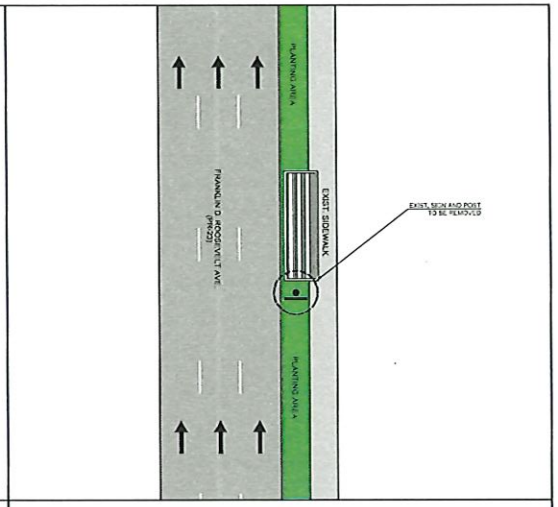
PHOTO - 1

PHOTO - 2

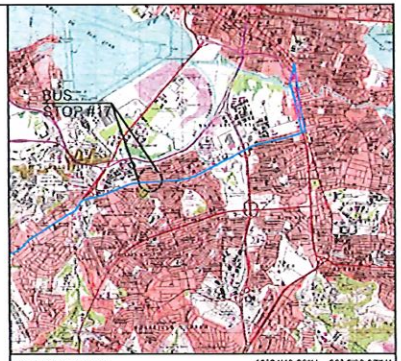
PHOTO - 3: PROPOSED SIGN LOCATION



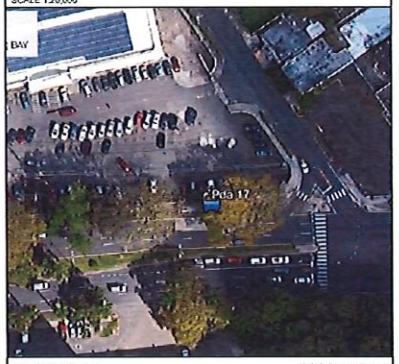
PROPOSED IMPROVEMENTS - ROUTE 2 | B.S.#17



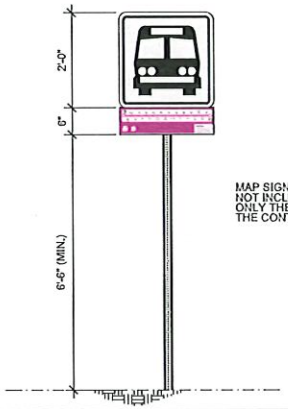
EXIST. CONDITIONS - ROUTE 2 | B.S.#17



LOCATION PLAN 18°24'49.22"N , 66° 5'39.97"W
SCALE 1:20,000



AERIAL PHOTO GOOGLE EARTH
SCALE 1:1,000 VERSION: 7.3.4.8642 PRO



MAP SIGN FABRICATION NOT INCLUDED IN THIS CONTRACT ONLY THE INSTALLATION BY THE CONTRACTOR

PROPOSED SIGN TYPE IV NOT TO SCALE

LEGEND:

- PROP. SIGN TYPE I
- PROP. SIGN TYPE II
- PROP. SIGN TYPE III
- PROP. SIGN TYPE IV
- EXIST. SIGN
- PRIMA EXCLUSIVE LANE (AMA LANE)
- TRAFFIC DIRECTION

NOTES:

1. THE CONTRACTOR SHALL OBTAIN THE EXCAVATION, DEMOLITION AND PERMITS PERMITTING FROM THE DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS PRIOR THE BEGINNING OF EACH WORK SITE DURING THE PROJECT.
2. THE CONTRACTOR SHALL CONSULT THE PROJECT ENGINEER BEFORE THE INSTALLATION OF EACH STRUCTURE.
3. THE CONTRACTOR SHALL REMOVED THE EXISTING SIGN AND TRAFFIC POST. THESE STRUCTURE SHALL BE DELIVER TO THE PRIMA PERSONNEL.
4. THE CONTRACTOR SHALL REMOVE THE EXISTING POST FOUNDATION.
5. THE CONTRACTOR SHALL INSTALL THE PROPOSED SIGN IN PLANTING AREA, REFER TO PHOTO #3.
6. THE MINIMUM DISTANCE OF THE LATERAL LOCATION OF THE EDGE OF THE SIGN TO THE EXISTING ROAD CURB SHALL BE 0.60 M.

Yo, Hernan E. Lopez Baez Ingeniero Licencia 18134, certifico que soy el profesional que confeccionó, diseñó y/o preparó estos planos y las especificaciones para la ejecución de las Tareas, y certifico que estos planos y especificaciones cumplen con las disposiciones aplicables del Reglamento Conjunto y las disposiciones aplicables de los Reglamentos y Códigos de Construcción vigentes de las Agencias, Juntas Reglamentadoras o Corporaciones Públicas con Jurisdicción. Reconozco que incurrir en declaración falsa o falsificación de los hechos que se hayan producido por desconocimiento o por negligencia, que me sea imputable o que otras personas con el conocimiento, me hacen responsable de incurrir en responsabilidad civil y/o criminal y/o de DOPA.

ENZO Engineering, psc.
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TEL. (787) 649-6200 | LOPEZBAEZ@ENZOGROUPLLC.ORG

HERNAN E. LOPEZ BAEZ
INGENIERO LICENCIADO
PUERTO RICO
HERNAN E. LOPEZ BAEZ, PE MEM
LIC. 18 549

BUS STOP SIGNAGE PROJECT - PHASE 1
ROUTE 2 | BUS STOP #17

FROM SAGRADO CORAZÓN TO BAYAMÓN
FRANKLIN D. ROOSEVELT AVENUE AFTER MATADERO ST.
MUNICIPALITY OF SAN JUAN

AUTORIDAD METROPOLITANA DE AUTOBUSES

METROPOLITAN BUS AUTHORITY
BOX 195349
SAN JUAN, PR 00919-5349

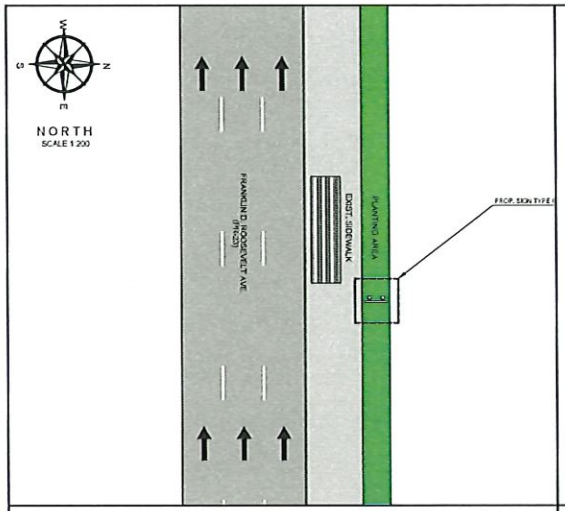
REVISION	
DATE: JUNE 2022	
CHECKED BY: BEV	DRAW BY: ABZ
DWG. TYPE: TS-2.16	SHEET NO. 56 OF 92

ROUTE 2 | BUS STOP #18

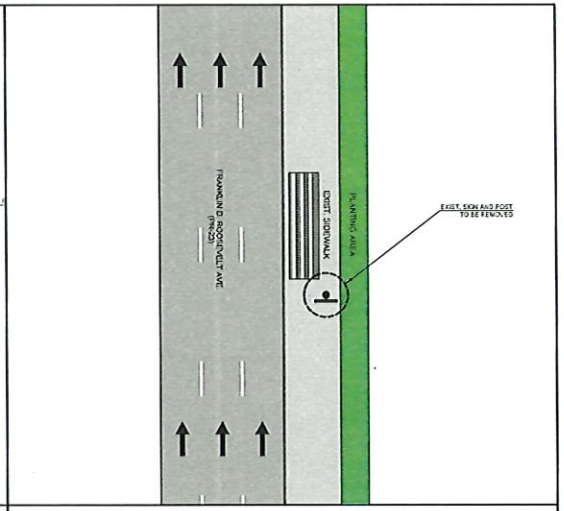
PHOTO - 1

PHOTO - 2

PHOTO - 3: PROPOSED SIGN LOCATION

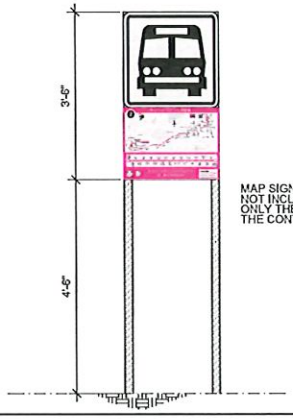


PROPOSED IMPROVEMENTS - ROUTE 2 | B.S.#18



EXIST. CONDITIONS - ROUTE 2 | B.S.#18

2.5 0 5 15
SCALE 1:200



MAP SIGN FABRICATION NOT INCLUDED IN THIS CONTRACT ONLY THE INSTALLATION BY THE CONTRACTOR

PROPOSED SIGN TYPE I

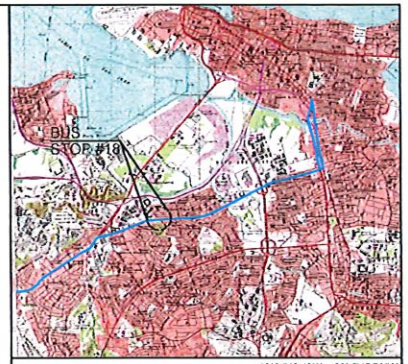
NOT TO SCALE

LEGEND:

- PROP. SIGN TYPE I
- PROP. SIGN TYPE II
- PROP. SIGN TYPE III
- PROP. SIGN TYPE IV
- EXIST. SIGN
- PRMBA EXCLUSIVE LANE (AMA LANE)
- TRAFFIC DIRECTION

NOTES:

1. THE CONTRACTOR SHALL OBTAIN THE EXCAVATION, DEMOLITION AND PERMITTING FROM THE DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS PRIOR THE BEGINNING OF EACH WORK SITE DURING THE PROJECT.
2. THE CONTRACTOR SHALL CONSULT THE PROJECT ENGINEER BEFORE THE INSTALLATION OF EACH STRUCTURE.
3. THE CONTRACTOR SHALL REMOVES THE EXISTING SIGN AND TRAFFIC POST. THESE STRUCTURE SHALL BE DELIVER TO THE PRMBA PERSONNEL.
4. THE CONTRACTOR SHALL REMOVE THE EXISTING POST FOUNDATION.
5. THE CONTRACTOR SHALL INSTALL THE PROPOSED SIGN IN PLANTING AREA, BEFORE THE TREES. REFER TO PHOTO #3.
6. THE MINIMUM DISTANCE OF THE LATERAL LOCATION OF THE EDGE OF THE SIGN TO THE EXISTING ROAD CURB SHALL BE 0.61 M.



LOCATION PLAN
SCALE 1:20,000

18°24'48.43"N , 66° 5'45.78"W

AERIAL PHOTO
SCALE 1:1,000

GOOGLE EARTH
VERSION 7.3.4.8642 PRO

Yo, Hernan E. Lopez Baez, ingeniero licencia 18154, certifico que soy el profesional que confeccionó, diseñó y preparó estos planos y las especificaciones complementarias. También certifico que entiendo que dichos planos y especificaciones cumplen con las disposiciones aplicables del Reglamento Conjunto y las disposiciones aplicables de los Reglamentos y Código de Construcción vigentes de las Agencias Juntas Reglamentarias o Corporaciones Públicas con jurisdicción. Reconozco que cualquier declaración falsa o falsificación de los hechos que se haya producido por desconocimiento o por negligencia ya sea por mí, mis agentes o empleados, o por otras personas con mi consentimiento, me hacen responsable de cualquier acción judicial y disciplinaria por la OGPe.

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GURABO, PR 00778
TEL. (787) 649-6200 | LOPEZBAEZ@ENZOGROUPLLC.ORG

HERNAN E. LOPEZ BAEZ
INGENIERO
LICENCIADO
PUERTO RICO

HERNAN E. LOPEZ BAEZ, PE MEM
LIC. 18154PE

BUS STOP SIGNAGE PROJECT - PHASE 1
ROUTE 2 | BUS STOP #18

FROM SAGRADO CORAZÓN TO BAYAMÓN
FRANKLIN D. ROOSEVELT AVENUE FRONT TRIPLE S BUILDING
MUNICIPALITY OF SAN JUAN

AUTORIDAD METROPOLITANA DE AUTOBUSES

METROPOLITAN BUS AUTHORITY
BOX 195349
SAN JUAN, PR 00919-5349

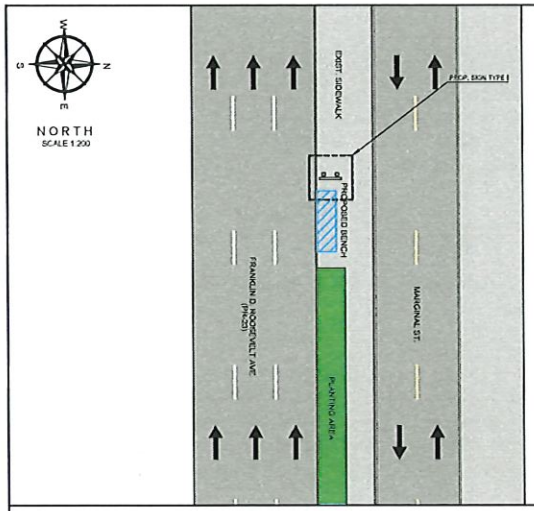
REVISION	
DATE: JUNE 2022	
CHECKED BY: BEV	DRAW BY: ABZ
DWG. TYPE: TS-2.17	SHEET NO. 57 OF 92

ROUTE 2 | BUS STOP #19

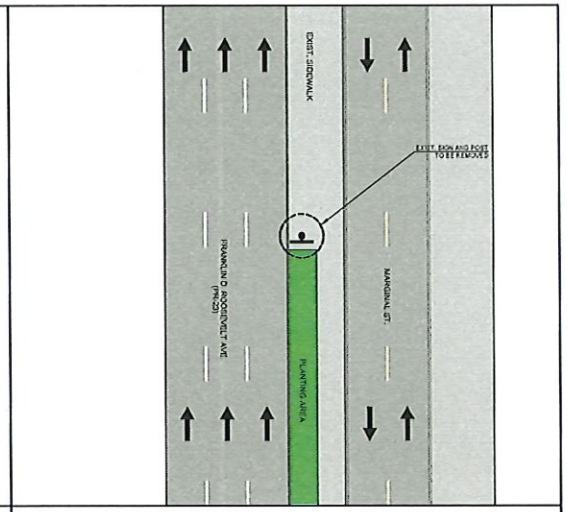
PHOTO - 1

PHOTO - 2

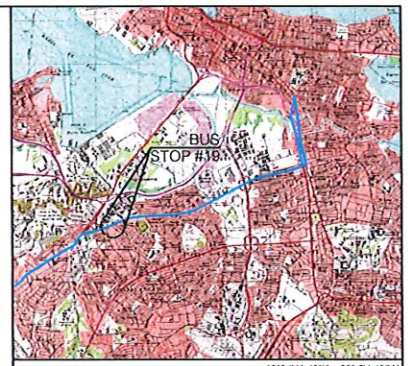
PHOTO - 3: PROPOSED SIGN LOCATION



PROPOSED IMPROVEMENTS - ROUTE 2 | B.S.#19

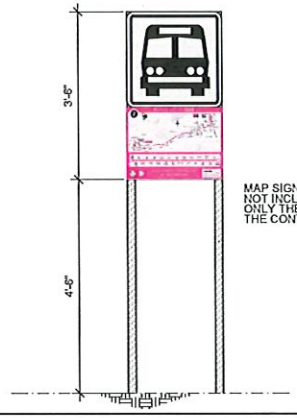


EXIST. CONDITIONS - ROUTE 2 | B.S.#18



LOCATION PLAN
SCALE 1:20,000
18°24'41.40"N , 66° 6'4.49"W

AERIAL PHOTO
SCALE 1:1,000
GOOGLE EARTH
VERSION: 7.3.4.8542 PRO



MAP SIGN FABRICATION NOT INCLUDED IN THIS CONTRACT ONLY THE INSTALLATION BY THE CONTRACTOR

PROPOSED SIGN TYPE I

NOT TO SCALE

LEGEND:

- PROP. SIGN TYPE I
- PROP. SIGN TYPE II
- PROP. SIGN TYPE III
- PROP. SIGN TYPE IV
- EXIST. SIGN
- FRMBA EXCLUSIVE LANE (AMA LANE)
- TRAFFIC DIRECTION
- PROPOSED BENCH

NOTES:

1. THE CONTRACTOR SHALL OBTAIN THE EXCAVATION, DEMOLITION AND PERES PERMITTING FROM THE DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS PRIOR THE BEGINNING OF EACH WORK SITE DURING THE PROJECT.
2. THE CONTRACTOR SHALL CONSULT THE PROJECT ENGINEER BEFORE THE INSTALLATION OF EACH STRUCTURE.
3. THE CONTRACTOR SHALL REMOVED THE EXISTING SIGN AND TRAFFIC POST. THESE STRUCTURE SHALL BE DELIVER TO THE FRMBA PERSONNEL.
4. THE CONTRACTOR SHALL REMOVE THE EXISTING POST FOUNDATION.
5. THE CONTRACTOR SHALL INSTALL THE PROPOSED SIGN AND BENCH IN THE SIDEWALK SECTION. REFER TO PHOTO #3 AND PROPOSED IMPROVEMENTS GEOMETRIC LAYOUT.
6. THE MINIMUM DISTANCE OF THE LATERAL LOCATION OF THE EDGE OF THE SIGN TO THE EXISTING ROAD CURB SHALL BE 0.50 M.

Yo, Hernan E. Lopez Baez, Ingeniero licencia 18154, certifico que soy el profesional que confeccionó, diseñó y preparó estos planos y las especificaciones, según mencionadas. También certifico que entiendo que dichos planos y especificaciones cumplen con las disposiciones aplicables del Reglamento Conjunto y las disposiciones aplicables de los Reglamentos y Código de Construcción vigentes de las Agencias, Juntas Reglamentadoras o Corporaciones Públicas con jurisdicción. Reconozco que cualquier declaración falsa o falsificación de los hechos que se haya producido por desconocimiento o por negligencia grave por mi, mis agentes o empleados, o por otras personas con mi consentimiento, me hacen responsable de multiplicar acción judicial y disciplinaria por la OGPe.

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PO Box 3040, PMB 427
Guaraba, PR 00778
TEL. (787) 649-6200 | LOPEZBAEZ@ENZOGROUPLLC.ORG

HERNAN E. LOPEZ BAEZ
INGENIERO
LICENCIADO
PUERTO RICO
HERNAN E. LOPEZ BAEZ, PE MEM
LIC. 18154PE

BUS STOP SIGNAGE PROJECT - PHASE 1
ROUTE 2 | BUS STOP #19

FROM SAGRADO CORAZÓN TO BAYAMÓN
FRANKLIN D. ROOSEVELT AVENUE OPOSITE SIDE OF PARKSIDE I ST.
MUNICIPALITY OF GUAYNABO

AUTORIDAD METROPOLITANA DE AUTOBUSES

METROPOLITAN BUS AUTHORITY
BOX 195349
SAN JUAN, PR 00919-5349

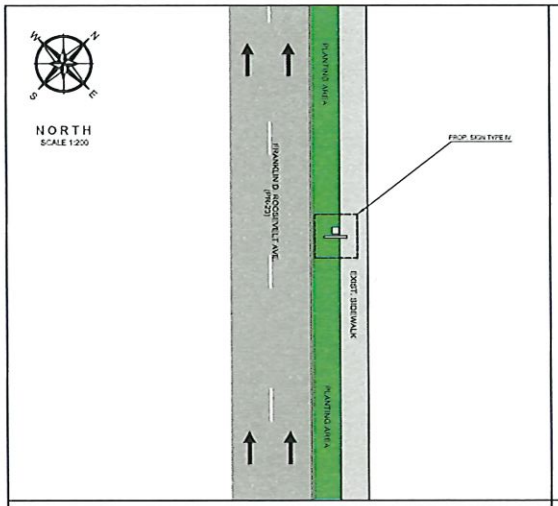
REVISION	
DATE: JUNE 2022	
CHECKED BY: BEV	DRAW BY: ABZ
DWG. TYPE: TS-2.18	SHEET NO. 58 OF 92

ROUTE 2 | BUS STOP #20

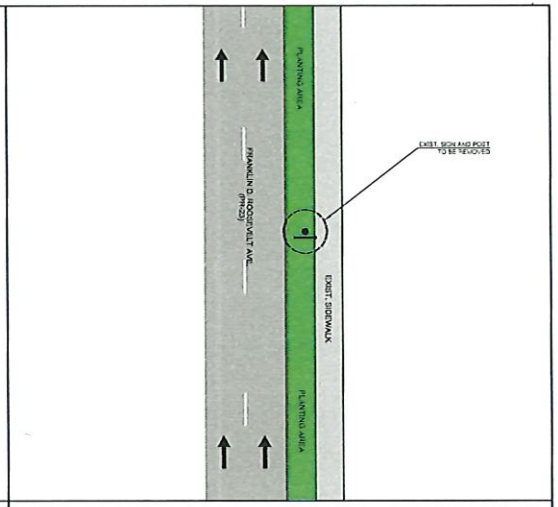
PHOTO - 1

PHOTO - 2

PHOTO - 3: PROPOSED SIGN LOCATION

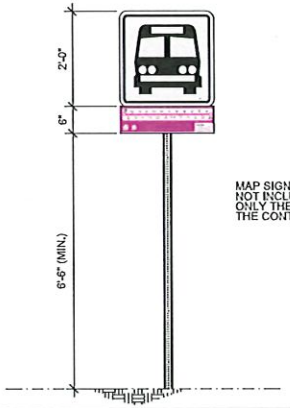


PROPOSED IMPROVEMENTS - ROUTE 2 | B.S.#20



EXIST. CONDITIONS - ROUTE 2 | B.S.#20

2.5 0 5 15
SCALE 1:200



MAP SIGN FABRICATION NOT INCLUDED IN THIS CONTRACT ONLY THE INSTALLATION BY THE CONTRACTOR

PROPOSED SIGN TYPE IV

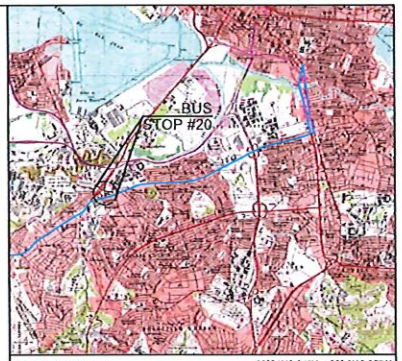
NOT TO SCALE

LEGEND:

- PROP. SIGN TYPE I
- PROP. SIGN TYPE II
- PROP. SIGN TYPE III
- PROP. SIGN TYPE IV
- EXIST. SIGN
- PRIMA EXCLUSIVE LANE (AMA LANE)
- TRAFFIC DIRECTION

NOTES:

1. THE CONTRACTOR SHALL OBTAIN THE EXCAVATION, DEMOLITION AND PIPES PERMITTING FROM THE DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS PRIOR THE BEGINNING OF EACH WORK SITE DURING THE PROJECT.
2. THE CONTRACTOR SHALL CONSULT THE PROJECT ENGINEER BEFORE THE INSTALLATION OF EACH STRUCTURE.
3. THE CONTRACTOR SHALL REMOVED THE EXISTING SIGN AND TRAFFIC POST. THESE STRUCTURE SHALL BE DELIVER TO THE PRIMA PERSONNEL.
4. THE CONTRACTOR SHALL REMOVE THE EXISTING POST FOUNDATION.
5. THE CONTRACTOR SHALL TAKE INTO ACCOUNT THE LEVEL OF THE EXISTING AERIAL UTILITIES IN THE AREA BEFORE THE WORK PROCEDURES.
6. THE MINIMUM DISTANCE OF THE LATERAL LOCATION OF THE EDGE OF THE SIGN TO THE EXISTING ROAD CURB SHALL BE 0.60 M.
7. THE CONTRACTOR SHALL INSTALL THE PROPOSED SIGN IN THE PLANTING AREA. REFER TO PHOTO #3.



LOCATION PLAN
SCALE 1:20,000

18°24'40.94"N , 66° 6'12.85"W

AERIAL PHOTO
SCALE 1:1,000

GOOGLE EARTH
VERSION: 7.3.4.8542 PRO

Yo, Hernan E. Lopez Baez, Ingeniero Licenciado 18154, certifico que soy el profesional con jurisdicción, diseño y/o preparé estos planos y las especificaciones complementarias. También certifico que entiendo que dichos planos y especificaciones cumplen con las disposiciones aplicables del Reglamento Conjunto y las disposiciones aplicables de los Reglamentos y Códigos de Construcción Vigentes de las Agencias y los Reglamentos de Corporaciones Públicas con Jurisdicción. Reconozco que cualquier declaración falsa o falsificación de los hechos que se haya producido por desconocimiento o por negligencia, que sea por mí, mis agentes o empleados, o por otras personas con mi conocimiento, me hacen responsable de cualquier acción judicial y civil disponible por la OGPe.

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Guaraba, PR 00778
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HERNAN E. LOPEZ BAEZ, PE MEM
LIC. # 5492

BUS STOP SIGNAGE PROJECT - PHASE 1
ROUTE 2 | BUS STOP #20

FROM SAGRADO CORAZÓN TO BAYAMÓN
FRANKLIN D. ROOSEVELT AVENUE EXIT TO HIGHWAY PR-2
MUNICIPALITY OF GUAYNABO

AUTORIDAD METROPOLITANA DE AUTOBUSES

METROPOLITAN BUS AUTHORITY
BOX 195349
SAN JUAN, PR 00919-5349

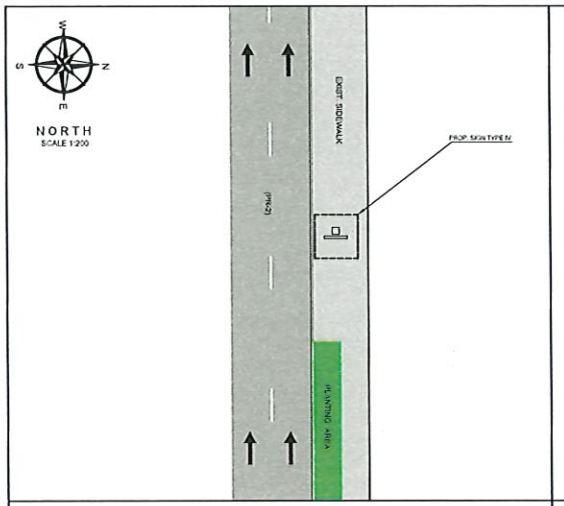
REVISION	
DATE: JUNE 2022	
CHECKED BY: BEV	DRAW BY: ABZ
DWG. TYPE: TS-2.19	SHEET NO. 59 OF 92

ROUTE 2 | BUS STOP #21

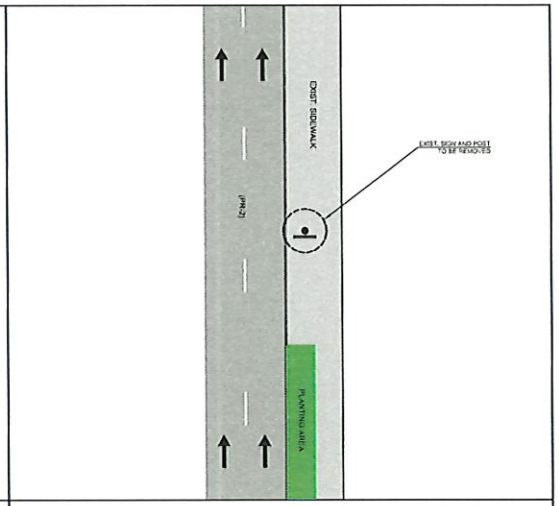
PHOTO - 1

PHOTO - 2

PHOTO - 3: PROPOSED SIGN LOCATION

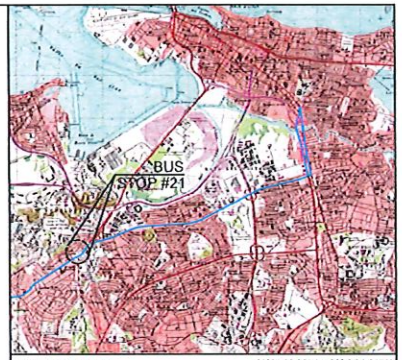


PROPOSED IMPROVEMENTS - ROUTE 2 | B.S.#21

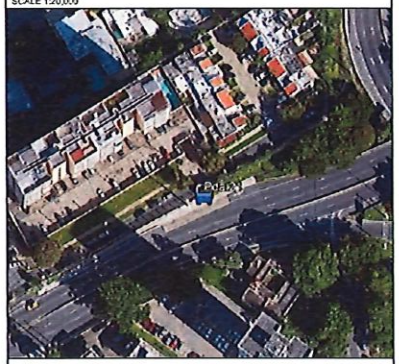


EXIST. CONDITIONS - ROUTE 2 | B.S.#21

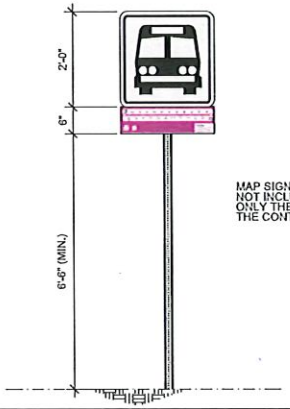
2.5 0 5 15
SCALE 1:200



LOCATION PLAN
SCALE 1:20,000
18°24'26.35"N , 66° 6'34.51"W



AERIAL PHOTO
SCALE 1:1,000
GOOGLE EARTH
VERSION: 7.3.4.8542 PRO



MAP SIGN FABRICATION NOT INCLUDED IN THIS CONTRACT ONLY THE INSTALLATION BY THE CONTRACTOR

PROPOSED SIGN TYPE IV

NOT TO SCALE

LEGEND:

- PROP. SIGN TYPE I
- PROP. SIGN TYPE II
- PROP. SIGN TYPE III
- PROP. SIGN TYPE IV
- EXIST. SIGN
- PRIMBA EXCLUSIVE LANE (AMA LANE)
- TRAFFIC DIRECTION

NOTES:

1. THE CONTRACTOR SHALL OBTAIN THE EXCAVATION, DEMOLITION AND PERMITS PERMITTING FROM THE DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS PRIOR THE BEGINNING OF EACH WORK SITE DURING THE PROJECT.
2. THE CONTRACTOR SHALL CONSULT THE PROJECT ENGINEER BEFORE THE INSTALLATION OF EACH STRUCTURE.
3. THE CONTRACTOR SHALL REMOVED THE EXISTING SIGN AND TRAFFIC POST. THESE STRUCTURE SHALL BE DELIVER TO THE PRIMBA PERSONNEL.
4. THE CONTRACTOR SHALL REMOVE THE EXISTING POST FOUNDATION.
5. THE CONTRACTOR SHALL TAKE INTO ACCOUNT THE LEVEL OF THE EXISTING AERIAL UTILITIES IN THE AREA BEFORE THE WORK PROCEDURES.
6. THE MINIMUM DISTANCE OF THE LATERAL LOCATION OF THE EDGE OF THE SIGN TO THE EXISTING ROAD CURB SHALL BE 0.60 M.
7. THE CONTRACTOR SHALL INSTALL THE PROPOSED SIGN IN THE SIDEWALK AREA, REFER TO PHOTO #3.

Yo, Hernan E. López Báez Ingeniero licencia 19154 certifico que soy el profesional que confeccionó, diseñó y preparó estas planos y las especificaciones complementarias. También certifico que estas planos y especificaciones cumplen con las disposiciones aplicables del Reglamento Conjunto y las disposiciones aplicables de los Reglamentos y Códigos de Construcción vigentes de los Agencias, Juntas, Reglamentadoras o Corporaciones Públicas con Jurisdicción. Reconozco que cualquier deficiencia, falta o violación de las leyes que se haya producido por desconocimiento o por negligencia, grave por mi más agencia o empleados, o por otras personas con mi conocimiento me hacen responsable de cualquier acción judicial y civil en mi contra por la OPA.

ENZO Engineering, psc.
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Guraabo, PR 00778
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HERNAN E. LOPEZ BAEZ, PE MEM
LIC. 19154E

BUS STOP SIGNAGE PROJECT - PHASE 1
ROUTE 2 | BUS STOP #21

FROM SAGRADO CORAZÓN TO BAYAMÓN
HIGHWAY PR-2 BEFORE MILLAN ST.
MUNICIPALITY OF GUAYNABO

AUTORIDAD METROPOLITANA DE AUTOBUSES

METROPOLITAN BUS AUTHORITY
BOX 195349
SAN JUAN, PR 00919-5349

REVISION	
DATE: JUNE 2022	
CHECKED BY: BEV	DRAW BY: ABZ
DWG. TYPE: TS-2.20	SHEET NO. 60 OF 92

ROUTE 2 | BUS STOP #22

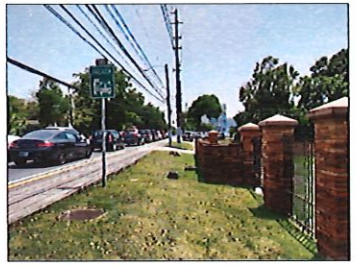


PHOTO - 1

PHOTO - 2

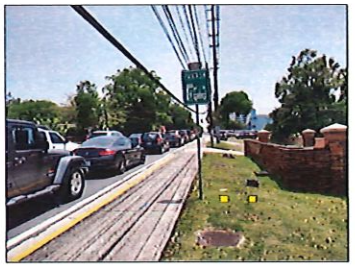
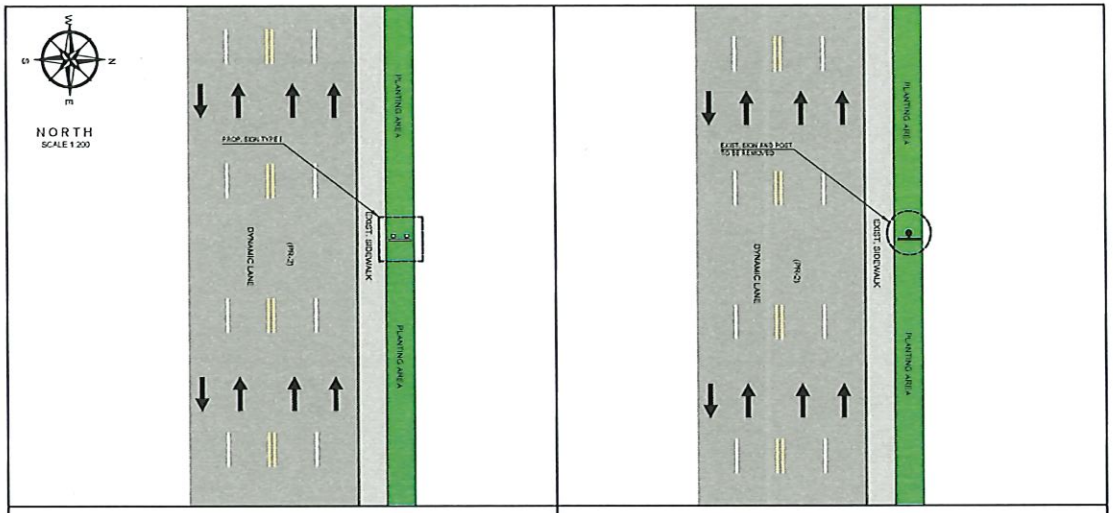


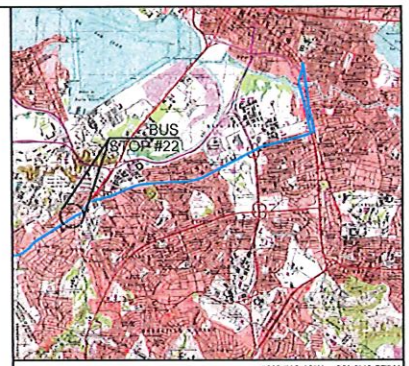
PHOTO - 3: PROPOSED SIGN LOCATION



PROPOSED IMPROVEMENTS - ROUTE 2 | B.S.#22

EXIST. CONDITIONS - ROUTE 2 | B.S.#22

2.5 0 5 15
SCALE 1:200

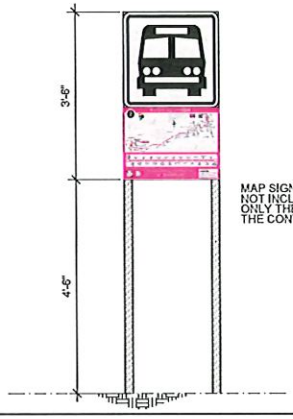


LOCATION PLAN
SCALE 1:20,000

18°24'18.18"N , 66° 6'48.57"W

AERIAL PHOTO
SCALE 1:1,000

GOOGLE EARTH
VERSION: 7.3.4.8642 PRO



MAP SIGN FABRICATION
NOT INCLUDED IN THIS CONTRACT
ONLY THE INSTALLATION BY
THE CONTRACTOR

PROPOSED SIGN TYPE I

NOT TO SCALE

LEGEND:

- PROP. SIGN TYPE I
- PROP. SIGN TYPE II
- PROP. SIGN TYPE III
- PROP. SIGN TYPE IV
- EXIST. SIGN
- PRIMBA (EXCLUSIVE LANE (AMA LANE)
- TRAFFIC DIRECTION

NOTES:

1. THE CONTRACTOR SHALL OBTAIN THE EXCAVATION, DEMOLITION AND FIRES PERMITTING FROM THE DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS PRIOR THE BEGINNING OF EACH WORK SITE DURING THE PROJECT.
2. THE CONTRACTOR SHALL CONSULT THE PROJECT ENGINEER BEFORE THE INSTALLATION OF EACH STRUCTURE.
3. THE CONTRACTOR SHALL REMOVED THE EXISTING SIGN AND TRAFFIC POST, THESE STRUCTURE SHALL BE DELIVER TO THE PRIMBA PERSONNEL.
4. THE CONTRACTOR SHALL REMOVE THE EXISTING POST FOUNDATION.
5. THE CONTRACTOR SHALL TAKE INTO ACCOUNT THE LEVELS OF THE EXISTING AERIAL UTILITIES IN THE AREA BEFORE THE WORK PROCEDURES.
6. THE MINIMUM DISTANCE OF THE LATERAL LOCATION OF THE EDGE OF THE SIGN TO THE EXISTING ROAD CURB SHALL BE 2.50 M.
7. THE CONTRACTOR SHALL INSTALL THE PROPOSED SIGN IN THE PLANTING AREA, REFER TO PHOTO #3.

Yo, Hernan E. Lopez Baez, Ingeniero licencia 18154, certifico que soy el profesional que confeccionó, diseñó y preparó estos planos y las especificaciones completamente. También certifico que entiendo que dichos planos y especificaciones cumplen con las disposiciones aplicables del Reglamento Conjunto y las disposiciones aplicables de los Reglamentos y Código de Construcción vigentes de las Agencias Juntas Reglamentarias o Corporaciones Públicas con jurisdicción. Reconozco que cualquier deficiencia falsa o falsificación de los hechos que se haya producido por desconocimiento o por negligencia grave por mí, mis agentes o empleados, o por otras personas con mi consentimiento me hacen responsable de cualquier acción judicial y disciplinaria por la OGPe.

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PO BOX 3040, PMB 427
GURABO, PR 00778
TEL. (787) 649-6200 | LOPEZBAEZ@ENZOGROUPLLC.ORG

HERNAN E. LOPEZ BAEZ
INGENIERO LICENCIADO
PUERTO RICO
HERNAN E. LOPEZ BAEZ, PE MEM
LIC. 18154PE

BUS STOP SIGNAGE PROJECT - PHASE 1
ROUTE 2 | BUS STOP #22

FROM SAGRADO CORAZÓN TO BAYAMÓN
HIGHWAY PR-2 BEFORE BUCHANAN ST.
MUNICIPALITY OF GUAYNABO

AUTORIDAD METROPOLITANA DE AUTOBUSES

METROPOLITAN BUS AUTHORITY
BOX 195349
SAN JUAN, PR 00919-5349

REVISION	
DATE JUNE 2022	
CHECKED BY BEV	DRAWN BY ABZ
DWG. TYPE TS-2.21	SHEET NO. 61 OF 92

ROUTE 2 | BUS STOP #23

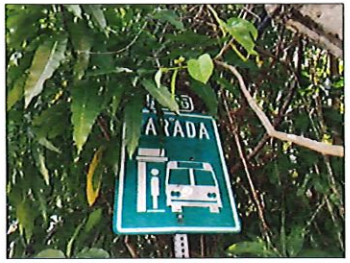
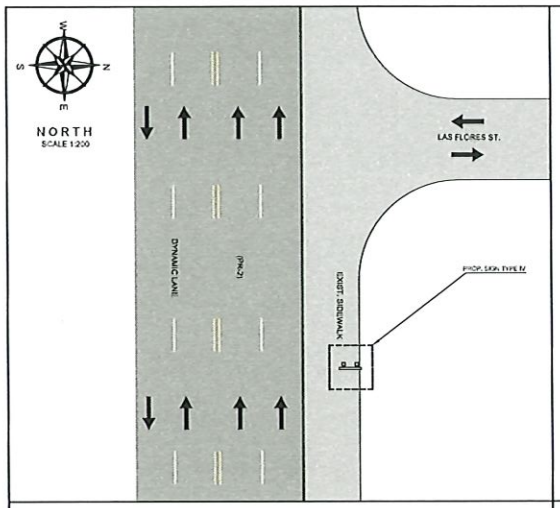


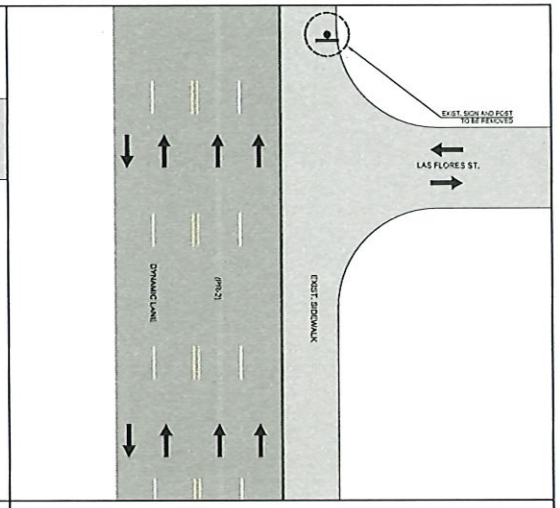
PHOTO - 1

PHOTO - 2

PHOTO - 3: PROPOSED SIGN LOCATION

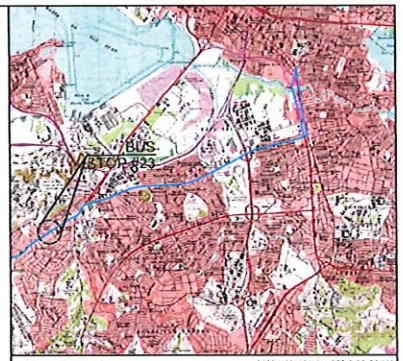


PROPOSED IMPROVEMENTS - ROUTE 2 | B.S.#23



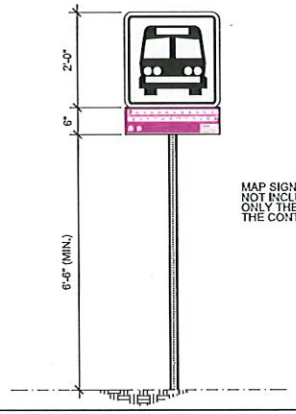
EXIST. CONDITIONS - ROUTE 2 | B.S.#23

2.5 0 5 15
SCALE 1:200



LOCATION PLAN
SCALE 1:20,000
18°24'13.49"N , 66° 6'56.60"W

AERIAL PHOTO
SCALE 1:1,000
GOOGLE EARTH
VERSION: 7.3.4.8542 PRO



MAP SIGN FABRICATION NOT INCLUDED IN THIS CONTRACT ONLY THE INSTALLATION BY THE CONTRACTOR

PROPOSED SIGN TYPE IV

NOT TO SCALE

LEGEND:

- PROP. SIGN TYPE I
- PROP. SIGN TYPE II
- PROP. SIGN TYPE III
- PROP. SIGN TYPE IV
- EXIST. SIGN
- PRIMA EXCLUSIVE LANE (AMA LANE)
- TRAFFIC DIRECTION

NOTES:

1. THE CONTRACTOR SHALL OBTAIN THE EXCAVATION, DEMOLITION AND PIPES PERMITTING FROM THE DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS PRIOR THE BEGINNING OF EACH WORK SET DURING THE PROJECT.
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6. THE MINIMUM DISTANCE OF THE LATERAL LOCATION OF THE EDGE OF THE SIGN TO THE EXISTING ROAD CURB SHALL BE 2.00 M.
7. THE CONTRACTOR SHALL INSTALL THE PROPOSED SIGN IN SIDEWALK IN FRONT THE UTILITY POLES. REFER TO PHOTO #3.

Yo, Hernan E. Lopez Baez Ingeniero licencia 18134 certifico que soy el profesional que confeccionó, diseñó y preparó estos planos y las especificaciones complementarias. También certifico que entiendo que dichos planos y especificaciones cumplen con las disposiciones aplicables del Reglamento Conjunto y las disposiciones aplicables de los Reglamentos y Códigos de Construcción vigentes de los Agencias, Juntas Reglamentadoras o Corporaciones Públicas con Jurisdicción. Reconozco que cualquier declaración falsa o falsificación de los hechos que se haya producido por desconocimiento o por negligencia, ya sea por mí, mis agentes o empleados, o por otras personas con mi dirección, me hacen responsable de cualquier acción judicial y civil aplicable por la OGPe.

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TEL. (787) 649-6200 | LOPEZBAEZ@ENZOGROUPLLC.ORG

HERNAN E. LOPEZ BAEZ
INGENIERO LICENCIADO
PUERTO RICO
HERNAN E. LOPEZ BAEZ, PE MEM
LIC. 18134

BUS STOP SIGNAGE PROJECT - PHASE 1
ROUTE 2 | BUS STOP #23

FROM SAGRADO CORAZÓN TO BAYAMÓN
HIGHWAY PR-2 BEFORE LAS FLORES ST.
MUNICIPALITY OF GUAYNABO

AUTORIDAD METROPOLITANA DE AUTOBUSES

METROPOLITAN BUS AUTHORITY
BOX 195349
SAN JUAN, PR 00919-5349

REVISION	
DATE: JUNE 2022	
CHECKED BY: BEV	DRAW BY: ABZ
DWG. TYPE: TS-2.22	SHEET NO. 62 OF 92

ROUTE 2 | BUS STOP #24

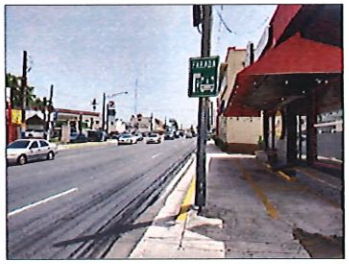
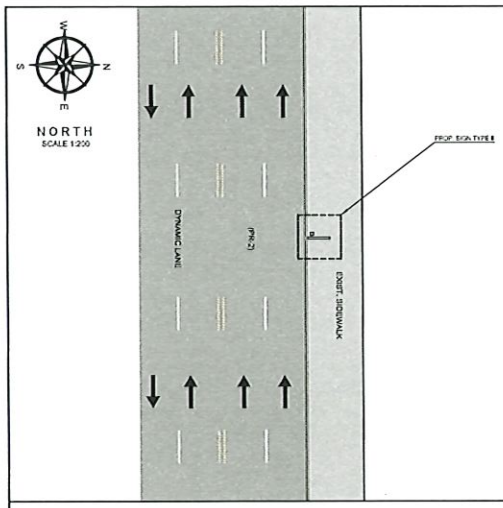


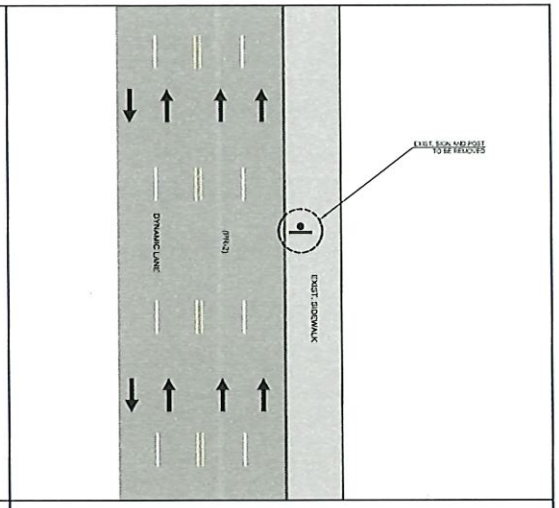
PHOTO - 1

PHOTO - 2

PHOTO - 3: PROPOSED SIGN LOCATION

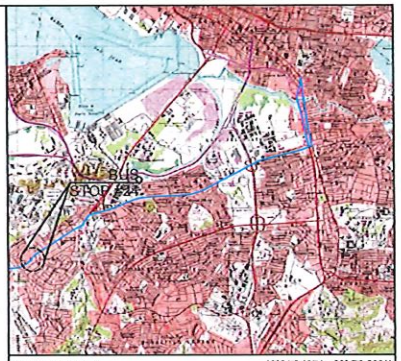


PROPOSED IMPROVEMENTS - ROUTE 2 | B.S.#24



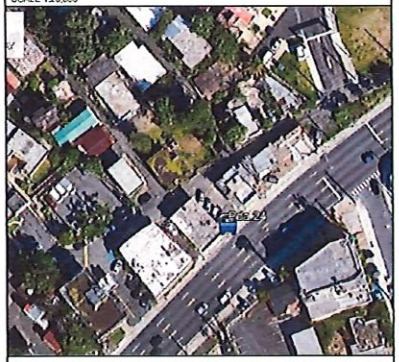
EXIST. CONDITIONS - ROUTE 2 | B.S.#24

2.5 0 5 15
SCALE 1:200



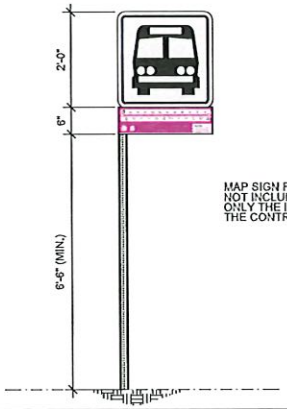
LOCATION PLAN
SCALE 1:20,000

18°24'5.18"N, 65° 79.28"W



AERIAL PHOTO
SCALE 1:1,000

GOOGLE EARTH
VERSION: 7.3.4.8542 PRO



MAP SIGN FABRICATION NOT INCLUDED IN THIS CONTRACT ONLY THE INSTALLATION BY THE CONTRACTOR

PROPOSED SIGN TYPE II

NOT TO SCALE

LEGEND:

- PROP. SIGN TYPE I
- PROP. SIGN TYPE II
- PROP. SIGN TYPE III
- PROP. SIGN TYPE IV
- EXIST. SIGN
- PRIMBA EXCLUSIVE LANE (AMA LANE)
- TRAFFIC DIRECTION

NOTES:

1. THE CONTRACTOR SHALL OBTAIN THE EXCAVATION, DEMOLITION AND PIPES PERMITTING FROM THE DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS PRIOR THE BEGINNING OF EACH WORK SITE DURING THE PROJECT.
2. THE CONTRACTOR SHALL CONSULT THE PROJECT ENGINEER BEFORE THE INSTALLATION OF EACH STRUCTURE.
3. THE CONTRACTOR SHALL REMOVED THE EXISTING SIGN AND TRAFFIC POST. THESE STRUCTURE SHALL BE DELIVER TO THE PRIMBA PERSONNEL.
4. THE CONTRACTOR SHALL REMOVE THE EXISTING POST FOUNDATION.
5. THE CONTRACTOR SHALL TAKE INTO ACCOUNT THE LEVEL OF THE EXISTING AERIAL UTILITIES IN THE AREA BEFORE THE WORK PROCEDURES.
6. THE MINIMUM DISTANCE OF THE LATERAL LOCATION OF THE EDGE OF THE SIGN TO THE EXISTING ROAD CURB SHALL BE 0.60 M.
7. THE CONTRACTOR SHALL INSTALL THE PROPOSED SIGN IN SIDEWALK NEXT TO WOODEN POLE. REFER TO PR-10 #3.

Yo, Hernan E. Lopez Baez Ingeniero licencia 18134, certifico que soy el profesional con certificación, diseño y/o preparé estos diseños y las especificaciones para la ejecución de los trabajos, certifico que estos planos y especificaciones cumplen con las disposiciones aplicables del Reglamento Conjunto y las disposiciones aplicables de los Reglamentos y Códigos de Construcción Vigentes de las Agencias, Juntas, Reglamentadoras o Corporaciones Públicas con Jurisdicción. Reconozco que cualquier de tales Mala o Malfunción de los trabajos que se hayan producido por desconocimiento o por negligencia grave por mi, mis agentes o empleados, o por otras personas con mi conocimiento, me hacen responsable de cualquier acción judicial y disciplinaria por la DOPA.

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Guaraba, PR 00778
TEL. (787) 649-6200 | LOPEZBAEZ@ENZOGROUPLLC.ORG

HERNAN E. LOPEZ BAEZ
INGENIERO LICENCIADO
PUERTO RICO

HERNAN E. LOPEZ BAEZ, PE MEM
LIC. 18 SAPE

BUS STOP SIGNAGE PROJECT - PHASE 1
ROUTE 2 | BUS STOP #24

FROM SAGRADO CORAZÓN TO BAYAMÓN
HIGHWAY PR-2 AFTER OPPOSITE SIDE OF DR. RAMÓN MIMOSO ST.
MUNICIPALITY OF GUAYNABO

AUTORIDAD METROPOLITANA DE AUTOBUSES

METROPOLITAN BUS AUTHORITY
BOX 195349
SAN JUAN, PR 00919-5349

REVISION	
DATE: JUNE 2022	
CHECKED BY: BEV	DRAW BY: ABZ
DWG. TYPE: TS-2.23	SHEET NO. 63 OF 92

ROUTE 2 | BUS STOP #25

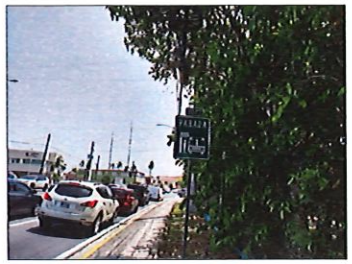
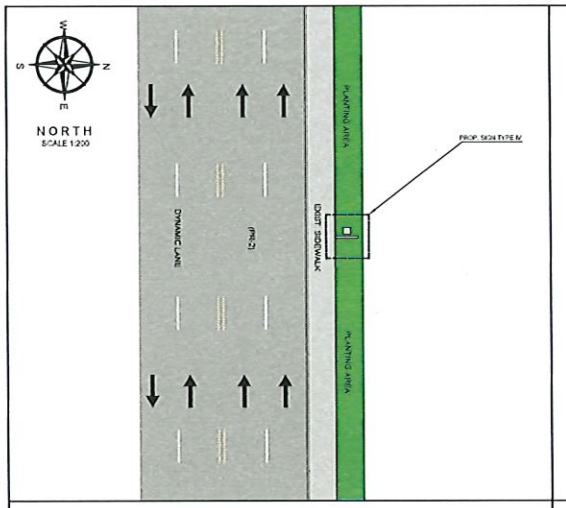


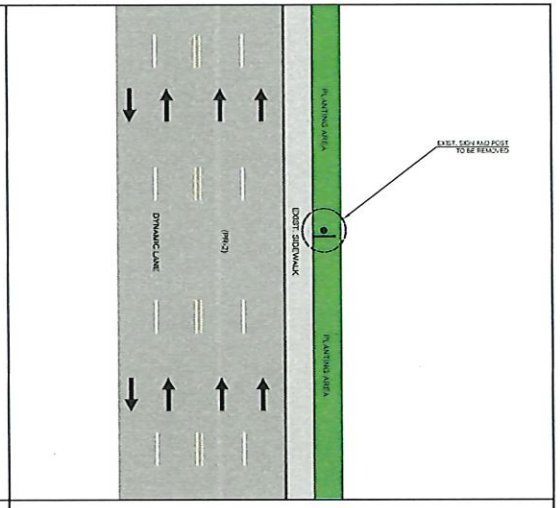
PHOTO - 1

PHOTO - 2

PHOTO - 3: PROPOSED SIGN LOCATION

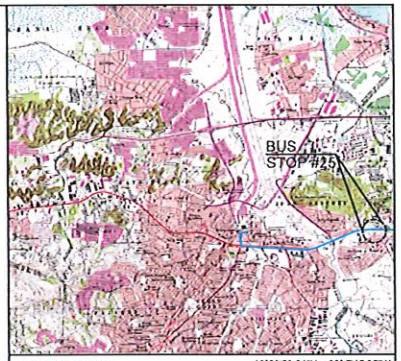


PROPOSED IMPROVEMENTS - ROUTE 2 | B.S.#25



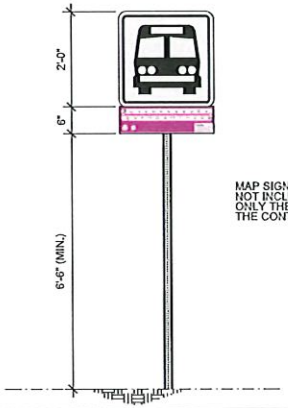
EXIST. CONDITIONS - ROUTE 2 | B.S.#25

2.5 0 5 15
SCALE 1:200



LOCATION PLAN
SCALE 1:20,000
18°23'59.81"N , 66° 7'15.35"W

AERIAL PHOTO
SCALE 1:1,000
GOOGLE EARTH
VERSION: 7.3.4.8642 PRO



MAP SIGN FABRICATION NOT INCLUDED IN THIS CONTRACT ONLY THE INSTALLATION BY THE CONTRACTOR

PROPOSED SIGN TYPE IV

NOT TO SCALE

LEGEND:

- PROP. SIGN TYPE I
- PROP. SIGN TYPE II
- PROP. SIGN TYPE III
- PROP. SIGN TYPE IV
- EXIST. SIGN
- PRIMA EXCLUSIVE LANE (AMA LANE)
- TRAFFIC DIRECTION

NOTES:

1. THE CONTRACTOR SHALL OBTAIN THE EXCAVATION, DEMOLITION AND PIPES PERMITTING FROM THE DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS PRIOR THE BEGINNING OF EACH WORK SITE DURING THE PROJECT.
2. THE CONTRACTOR SHALL CONSULT THE PROJECT ENGINEER BEFORE THE INSTALLATION OF EACH STRUCTURE.
3. THE CONTRACTOR SHALL REMOVED THE EXISTING SIGN AND TRAFFIC POST. THESE STRUCTURE SHALL BE DELIVER TO THE PRIMA PERSONNEL.
4. THE CONTRACTOR SHALL REMOVE THE EXISTING POST FOUNDATION.
5. THE CONTRACTOR SHALL TAKE INTO ACCOUNT THE LEVEL OF THE EXISTING AERIAL UTILITIES IN THE AREA BEFORE THE WORK PROCEDURES.
6. THE MINIMUM DISTANCE OF THE LATERAL LOCATION OF THE EDGE OF THE SIGN TO THE EXISTING ROAD CURB SHALL BE 0.60 M.
7. THE CONTRACTOR SHALL INSTALL THE PROPOSED SIGN IN PLANTING AREA WITH THE SIDEWALK FLUSH. REFER TO PHOTO #3.

Yo, Hernan E. Lopez Baez Ingeniero Licencia 18134, certifico que soy el profesional con jurisdicción, diseño y preparé estos planos y las especificaciones complementarias. También certifico que entiendo que dichos planos y especificaciones cumplen con las disposiciones aplicables del Reglamento Conjunto y las disposiciones aplicables de los Reglamentos y Códigos de Construcción vigentes de las Agencias, Juntas Reglamentadoras y Corporaciones Públicas con Jurisdicción. Reconozco que cualquier declaración falsa o falsificación de los hechos que se haya producido por desconocimiento o por negligencia que me por mí, mis agentes o empleados, o por otras personas por mí consultadas me hacen responsable de cualquier acción judicial y/o disciplinaria por la OCPA.

ENZO Engineering, psc.
PO Box 3040, PMB 427
Guaraba, PR 00778
TEL. (787) 649-6200 | LOPEZBAEZ@ENZOGROUPLLC.ORG

HERNAN E. LOPEZ BAEZ, PE MEM
LIC. 18345

BUS STOP SIGNAGE PROJECT - PHASE 1
ROUTE 2 | BUS STOP #25

FROM SAGRADO CORAZÓN TO BAYAMÓN
HIGHWAY PR-2 AFTER ROBLES ST.
MUNICIPALITY OF GUAYNABO

AUTORIDAD METROPOLITANA DE AUTOBUSES

METROPOLITAN BUS AUTHORITY
BOX 195349
SAN JUAN, PR 00919-5349

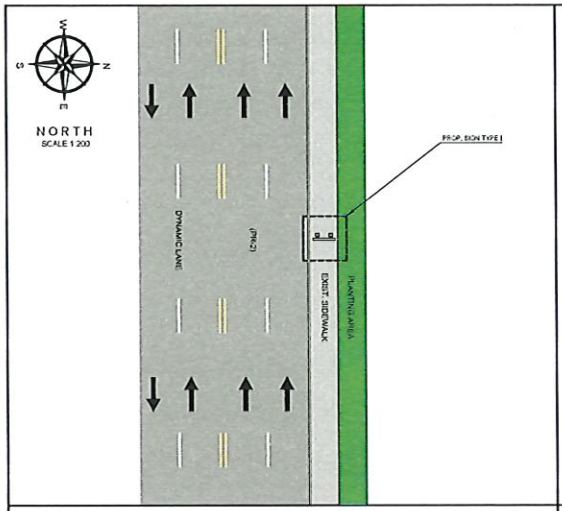
REVISION	
DATE: JUNE 2022	
CHECKED BY: BEV	DRAW BY: ABZ
DWG. TYPE: TS-2.24	SHEET NO. 64 OF 92

ROUTE 2 | BUS STOP #26

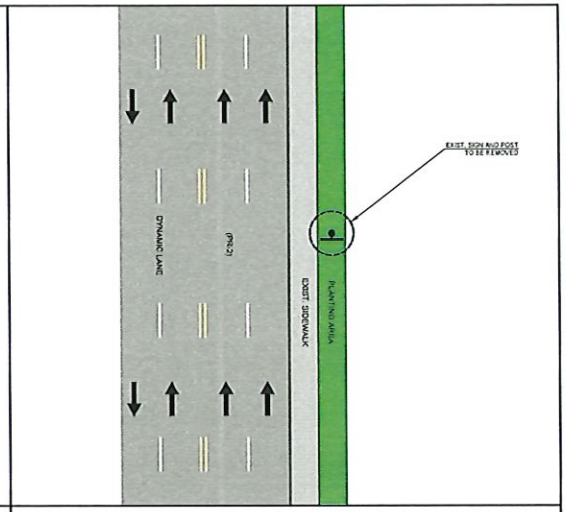
PHOTO - 1

PHOTO - 2

PHOTO - 3: PROPOSED SIGN LOCATION

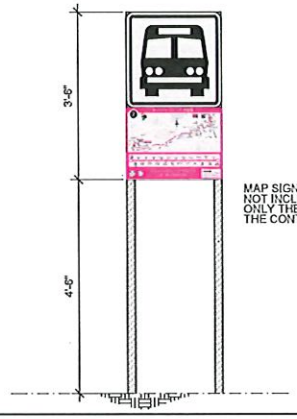


PROPOSED IMPROVEMENTS - ROUTE 2 | B.S.#26



EXIST. CONDITIONS - ROUTE 2 | B.S.#26

2.5 0 5 15
SCALE 1:200



MAP SIGN FABRICATION NOT INCLUDED IN THIS CONTRACT ONLY THE INSTALLATION BY THE CONTRACTOR

PROPOSED SIGN TYPE I

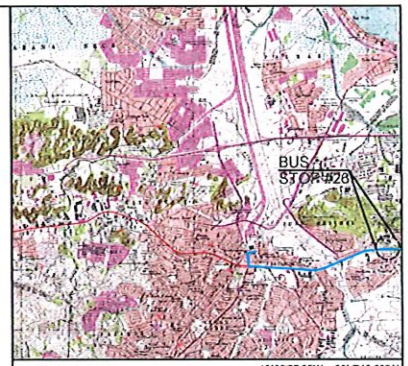
NOT TO SCALE

LEGEND:

- PROP. SIGN TYPE I
- PROP. SIGN TYPE II
- PROP. SIGN TYPE III
- PROP. SIGN TYPE IV
- EXIST. SIGN
- PRMBA EXCLUSIVE LANE (AMA LANE)
- TRAFFIC DIRECTION

NOTES:

1. THE CONTRACTOR SHALL OBTAIN THE EXCAVATION, DEMOLITION AND PERMITTING FROM THE DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS PRIOR THE BEGINNING OF EACH WORK SITE DURING THE PROJECT.
2. THE CONTRACTOR SHALL CONSULT THE PROJECT ENGINEER BEFORE THE INSTALLATION OF EACH STRUCTURE.
3. THE CONTRACTOR SHALL REMOVES THE EXISTING SIGN AND TRAFFIC POST. THESE STRUCTURE SHALL BE DELIVER TO THE PRMBA PERSONNEL.
4. THE CONTRACTOR SHALL REMOVE THE EXISTING POST FOUNDATION.
5. THE CONTRACTOR SHALL TAKE INTO ACCOUNT THE LEVELS OF THE EXISTING AERIAL UTILITIES IN THE AREA BEFORE THE WORK PROCEDURES.
6. THE MINIMUM DISTANCE OF THE LATERAL LOCATION OF THE EDGE OF THE SIGN TO THE EXISTING ROAD CURB SHALL BE 0.60 M.
7. THE CONTRACTOR SHALL INSTALL THE PROPOSED SIGN IN SIDEWALK, WHERE THE WALLSTRIP (MURITO) IS LOCATED. REFER TO PHOTO #3.



LOCATION PLAN
SCALE 1:20,000
18°23'57.85"N , 66° 7'19.68"W

AERIAL PHOTO
SCALE 1:1,000
GOOGLE EARTH
VERSION: 7.3.4.8642 PRO

Yo, Hernan E. Lopez Baez, Ingeniero, licencia 18154, certifico que soy el profesional que confeccionó, diseñó y preparó estos planos y las especificaciones cumple metarlas. También certifico que entiendo que dichos planos y especificaciones cumplen con las disposiciones aplicables del Reglamento Conjunto y las disposiciones aplicables de los Reglamentos y Código de Construcción Vigentes de los Agencias, Juntas Reglamentarias o Corporaciones Públicas con jurisdicción. Reconozco que cualquier declaración falsa o falsificación de los hechos que se haya producido por desconocimiento o por negligencia ya sea por mi, mis agentes o empleados, o por otras personas con mi conocimiento me hacen responsable de cualquier acción judicial y disciplinaria por la OGPe.

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PO Box 3040, PMB 427
Guraabo, PR 00778
TEL. (787) 649-6200 | LOPEZBAEZ@ENZOGROUPLLC.ORG

HERNAN E. LOPEZ BAEZ
INGENIERO
LICENCIADO
PUERTO RICO
HERNAN E. LOPEZ BAEZ, PE MEM
LIC. 18154PE

BUS STOP SIGNAGE PROJECT - PHASE 1
ROUTE 2 | BUS STOP #26

FROM SAGRADO CORAZÓN TO BAYAMÓN
HIGHWAY PR-2 BEFORE TINTILLO ST.
MUNICIPALITY OF GUAYNABO

AUTORIDAD METROPOLITANA DE AUTOBUSES

METROPOLITAN BUS AUTHORITY
BOX 195349
SAN JUAN, PR 00919-5349

REVISION	
DATE: JUNE 2022	
CHECKED BY: BEV	DRAW BY: ABZ
DWG. TYPE: TS-2.25	SHEET NO. 65 OF 92

ROUTE 2 | BUS STOP #27

PHOTO - 1

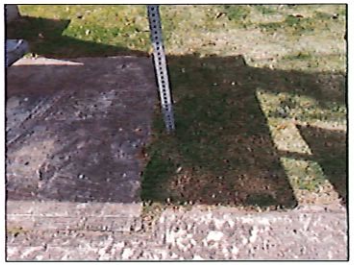
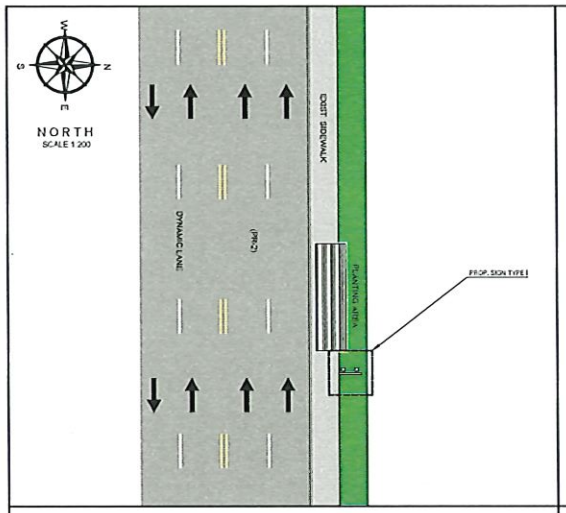
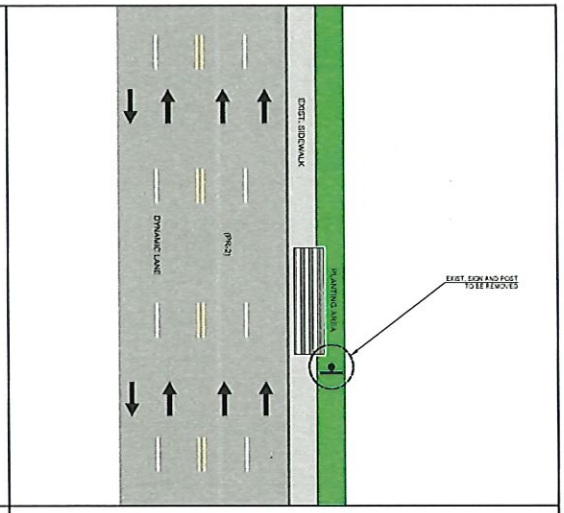


PHOTO - 2

PHOTO - 3: PROPOSED SIGN LOCATION

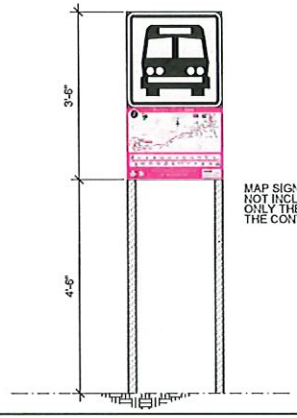


PROPOSED IMPROVEMENTS - ROUTE 2 | B.S.#27



EXIST. CONDITIONS - ROUTE 2 | B.S.#27

2.5 0 5 15
SCALE 1:200



MAP SIGN FABRICATION NOT INCLUDED IN THIS CONTRACT ONLY THE INSTALLATION BY THE CONTRACTOR

PROPOSED SIGN TYPE I

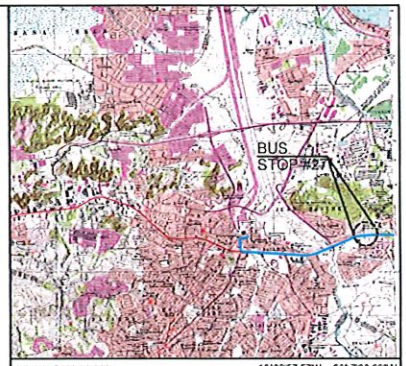
NOT TO SCALE

LEGEND:

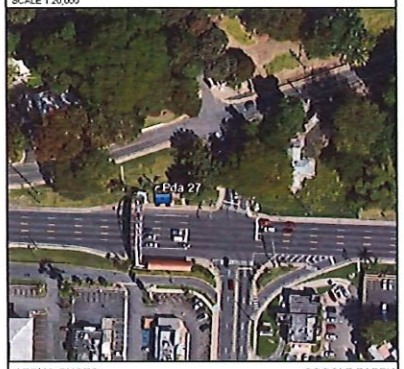
- PROP. SIGN TYPE I
- PROP. SIGN TYPE II
- PROP. SIGN TYPE III
- PROP. SIGN TYPE IV
- EXIST. SIGN
- PRMBA EXCLUSIVE LANE (AMA LANE)
- TRAFFIC DIRECTION

NOTES:

1. THE CONTRACTOR SHALL OBTAIN THE EXCAVATION, EXHUMATION AND FIRES PERMITTING FROM THE DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS PRIOR THE BEGINNING OF EACH WORK SITE DURING THE PROJECT.
2. THE CONTRACTOR SHALL CONSULT THE PROJECT ENGINEER BEFORE THE INSTALLATION OF EACH STRUCTURE.
3. THE CONTRACTOR SHALL REMOVED THE EXISTING SIGN AND TRAFFIC POST. THESE STRUCTURE SHALL BE DELIVER TO THE PRMBA PERSONNEL.
4. THE CONTRACTOR SHALL REMOVE THE EXISTING POST FOUNDATION.
5. THE CONTRACTOR SHALL TAKE INTO ACCOUNT THE LEVELS OF THE EXISTING AERIAL UTILITIES IN THE AREA BEFORE THE WORK PROCEDURES.
6. THE MINIMUM DISTANCE OF THE LATERAL LOCATION OF THE EDGE OF THE SIGN TO THE EXISTING ROAD CURB SHALL BE 2.60 M.
7. THE CONTRACTOR SHALL INSTALL THE PROPOSED SIGN IN PLANTING AREA. REFER TO PHOTO #3.



LOCATION PLAN 18°23'57.57"N , 66° 7'38.60"W
SCALE 1:20,000



AERIAL PHOTO GOOGLE EARTH
SCALE 1:1,000 VERSION: 7.3.4.8642 PRO

Yo, Hernan E. Lopez Baez, Ingeniero, licencia 18-54, certifico que soy el profesional que confeccionó, diseñó y preparó estos planos y las especificaciones completamente. También certifico que entiendo que dichos planos y especificaciones cumplen con las disposiciones aplicables del Reglamento Conjunto y las disposiciones aplicables de los Reglamentos y Códigos de Construcción vigentes de las Agencias, Juntas Reglamentarias o a Corporaciones Públicas con jurisdicción. Reconozco que cualquier desviación falsa o falsificación de los hechos que se haya producido por desconocimiento o por negligencia, ya sea por mí, mis agentes o empleados, o por otras personas con mi consentimiento, me hacen responsable de cualquier acción judicial y disciplinaria por la ley.

ENZO Engineering, psc.
PO Box 3040, PMB 427
Guaraso, PR 00778
TEL. (787) 649-6200 | LOPEZBAEZ@ENZOGROUPLLC.ORG

HERNAN E. LOPEZ BAEZ
INGENIERO
LICENCIADO
PUERTO RICO

HERNAN E. LOPEZ BAEZ, PE MEM
LIC. 18-54PE

BUS STOP SIGNAGE PROJECT - PHASE 1
ROUTE 2 | BUS STOP #27

FROM SAGRADO CORAZÓN TO BAYAMÓN
HIGHWAY PR-2 AFTER OPPOSITE SIDE OF COLECTORA CENTRAL MAIN ST.
MUNICIPALITY OF BAYAMÓN

AUTORIDAD METROPOLITANA DE AUTOBUSES

METROPOLITAN BUS AUTHORITY
BOX 195349
SAN JUAN, PR 00919-5349

REVISION	
DATE JUNE 2022	
CHECKED BY: BEV	DRAWN BY: ABZ
DWG. TYPE: TS-2.26	SHEET NO. 66 OF 92

ROUTE 2 | BUS STOP #28

PHOTO - 1

PHOTO - 2

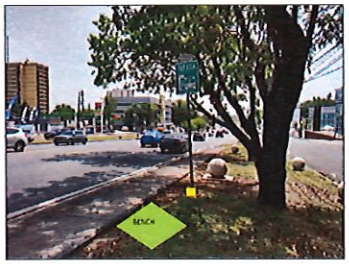
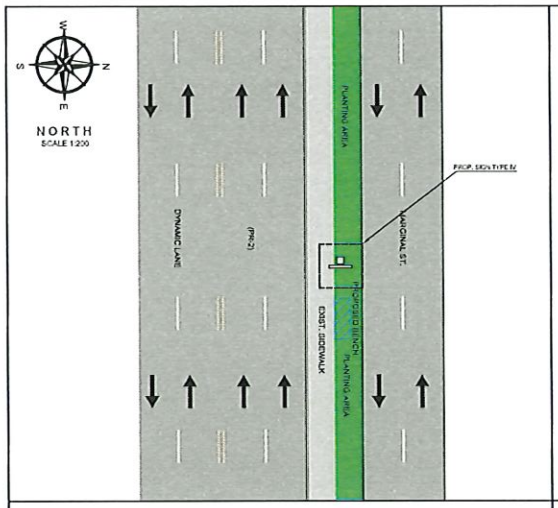
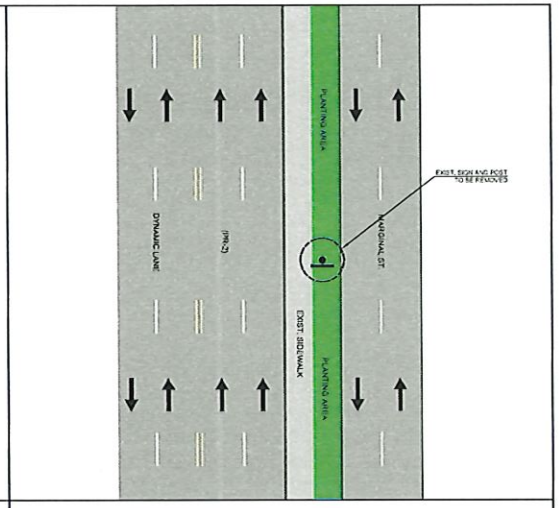


PHOTO - 3: PROPOSED SIGN LOCATION

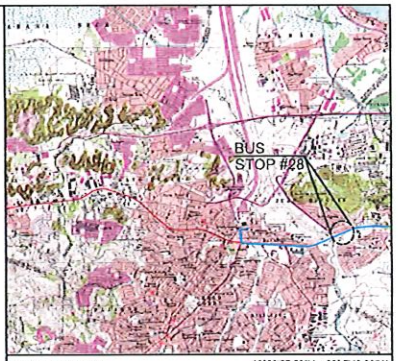


PROPOSED IMPROVEMENTS - ROUTE 2 | B.S.#28

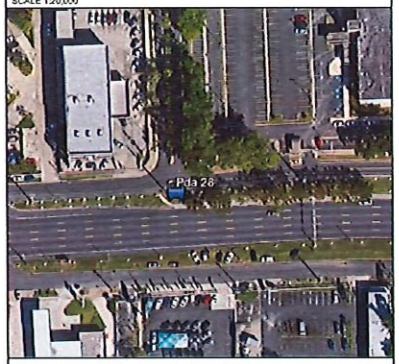


EXIST. CONDITIONS - ROUTE 2 | B.S.#28

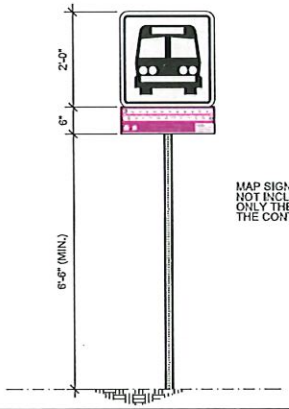
2.5 0 5 15
SCALE 1:200



LOCATION PLAN 18°23'57.50"N , 66° 7'49.30"W
SCALE 1:20,000



AERIAL PHOTO GOOGLE EARTH
SCALE 1:1,000 VERSION: 7.3.4.8542 PRO



MAP SIGN FABRICATION NOT INCLUDED IN THIS CONTRACT ONLY THE INSTALLATION BY THE CONTRACTOR

PROPOSED SIGN TYPE IV NOT TO SCALE

LEGEND:

- PROP. SIGN TYPE I
- PROP. SIGN TYPE II
- PROP. SIGN TYPE III
- PROP. SIGN TYPE IV
- EXIST. SIGN
- PRIMA EXCLUSIVE LANE (AMA LANE)
- TRAFFIC DIRECTION
- PROPOSED BENCH

NOTES:

1. THE CONTRACTOR SHALL OBTAIN THE EXCAVATION, DEMOLITION AND PERMITS PERMITTING FROM THE DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS PRIOR THE BEGINNING OF EACH WORK SITE DURING THE PROJECT.
2. THE CONTRACTOR SHALL CONSULT THE PROJECT ENGINEER BEFORE THE INSTALLATION OF EACH STRUCTURE.
3. THE CONTRACTOR SHALL REMOVED THE EXISTING SIGN AND TRAFFIC POST. THESE STRUCTURE SHALL BE DELIVER TO THE PRIMA PERSONNEL.
4. THE CONTRACTOR SHALL REMOVE THE EXISTING POST FOUNDATION.
5. THE CONTRACTOR SHALL TAKE INTO ACCOUNT THE LEVEL OF THE EXISTING AERIAL UTILITIES IN THE AREA BEFORE THE WORK PROCEDURES.
6. THE MINIMUM DISTANCE OF THE LATERAL LOCATION OF THE EDGE OF THE SIGN TO THE EXISTING ROADWAY SHALL BE 0.60 M.
7. THE CONTRACTOR SHALL INSTALL THE PROPOSED SIGN AND BENCH IN PLANTING AREA, REFER TO PHOTO #1.

Yo, Hernan E. Lopez Baez Ingeniero Licenciado 18104 certifico que soy el profesional que confeccionó, diseñó y preparó estos planos y las especificaciones correspondientes. También certifico que estimo que dichos planos y especificaciones cumplen con las disposiciones aplicables del Reglamento Conjunto y las disposiciones aplicables de los Reglamentos y Códigos de Construcción vigentes de las Agencias, Juntas Reglamentadoras o Corporaciones Públicas con Jurisdicción. Reconozco que evaluaré la información, hechos y realidades de los hechos que se hayan producido por desconocimiento o por negligencia que sea por mí, mis agentes o empleados, o por otras personas con mi conocimiento, me hacen responsable de cualquier acción judicial y disciplinaria por la OCPR.

ENZO Engineering, psc.
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Guaraba, PR 00778
TEL. (787) 649-6200 | LOPEZBAEZ@ENZOGROUPLLC.ORG

HERNAN E. LOPEZ BAEZ, PE MEM
LIC. # 18104

BUS STOP SIGNAGE PROJECT - PHASE 1
ROUTE 2 | BUS STOP #28

FROM SAGRADO CORAZÓN TO BAYAMÓN
HIGHWAY PR-2 FRONT TOYOTA DEALER
MUNICIPALITY OF BAYAMÓN

AUTORIDAD METROPOLITANA DE AUTOBUSES

METROPOLITAN BUS AUTHORITY
BOX 195349
SAN JUAN, PR 00919-5349

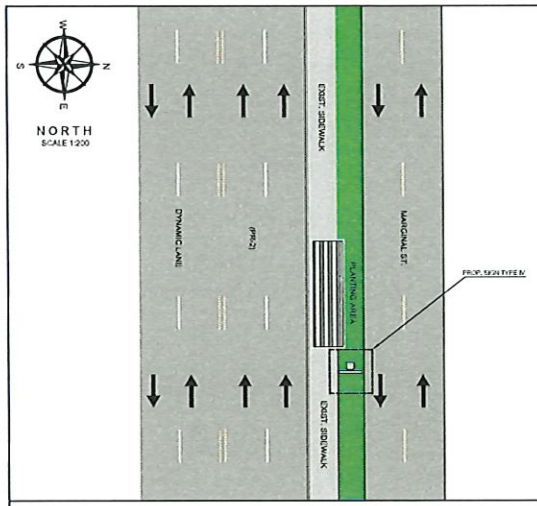
REVISION	
DATE: JUNE 2022	
CHECKED BY: BEV	DRAW BY: ABZ
DWG. TYPE: TS-2.27	SHEET NO. 67 OF 92

ROUTE 2 | BUS STOP #29

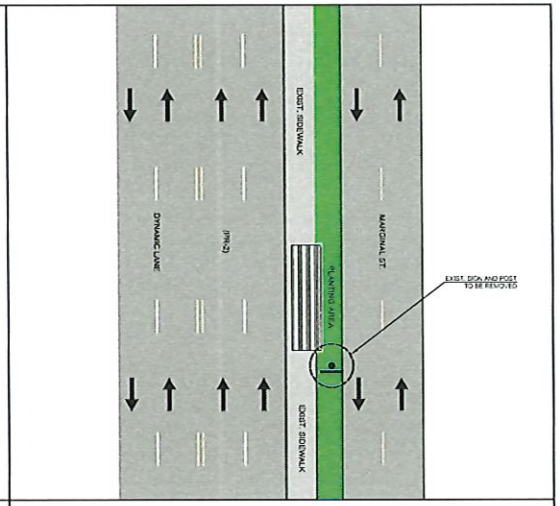
PHOTO - 1

PHOTO - 2

PHOTO - 3: PROPOSED SIGN LOCATION

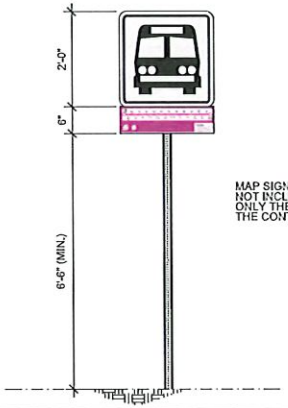


PROPOSED IMPROVEMENTS - ROUTE 2 | B.S.#29



EXIST. CONDITIONS - ROUTE 2 | B.S.#29

2.5 0 5 15
SCALE 1:200



MAP SIGN FABRICATION NOT INCLUDED IN THIS CONTRACT ONLY THE INSTALLATION BY THE CONTRACTOR

PROPOSED SIGN TYPE IV

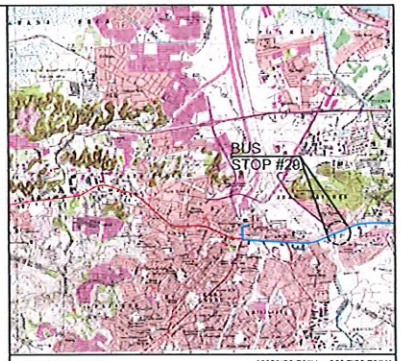
NOT TO SCALE

LEGEND:

- PROP. SIGN TYPE I
- PROP. SIGN TYPE II
- PROP. SIGN TYPE III
- PROP. SIGN TYPE IV
- EXIST. SIGN
- PRIMBA EXCLUSIVE LANE (AMA LANE)
- TRAFFIC DIRECTION

NOTES:

1. THE CONTRACTOR SHALL OBTAIN THE EXCAVATION, DEMOLITION AND PIPES PERMITTING FROM THE DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS PRIOR THE BEGINNING OF EACH WORK SITE DURING THE PROJECT.
2. THE CONTRACTOR SHALL CONSULT THE PROJECT ENGINEER BEFORE THE INSTALLATION OF EACH STRUCTURE.
3. THE CONTRACTOR SHALL REMOVED THE EXISTING SIGN AND TRAFFIC POST. THESE STRUCTURE SHALL BE DELIVER TO THE PRIMBA PERSONNEL.
4. THE CONTRACTOR SHALL REMOVE THE EXISTING POST FOUNDATION.
5. THE CONTRACTOR SHALL TAKE INTO ACCOUNT THE LEVEL OF THE EXISTING AERIAL UTILITIES IN THE AREA BEFORE THE WORK PROCEDURES.
6. THE MINIMUM DISTANCE OF THE LATERAL LOCATION OF THE EDGE OF THE SIGN TO THE EXISTING ROAD CURB SHALL BE 0.60 M.
7. THE CONTRACTOR SHALL TAKE INTO ACCOUNT THE LEVEL OF THE EXISTING GROUND.
8. THE CONTRACTOR SHALL INSTALL THE PROPOSED SIGN IN THE PLANTING AREA, REFER TO PHOTO #3.



LOCATION PLAN
SCALE 1:20,000

18°23'56.73"N , 66° 7'56.70"W

AERIAL PHOTO
SCALE 1:1,000

GOOGLE EARTH
VERSION: 7.3.4.8542 PRO

Yo, Hernan E. Lopez Baez Ingeniero licencia 18134 certifico que soy el profesional que confeccionó, diseñó y/o preparó estos planos y las especificaciones complementarias. También certifico que estoy familiarizado con las disposiciones aplicables del Reglamento Conjunto y las disposiciones aplicables de los Reglamentos y Códigos de Construcción Vigentes de las Agencias, Juntas Reglamentadoras y Corporaciones Públicas con Jurisdicción. Reconozco que cualquier desviación Mala o Malfuncción de los sistemas que se hayan producido por descuido leve o por negligencia grave por mí, mis agentes o empleados, o por otras personas por mí consideradas, me hacen responsable de cualquier acción judicial y dictámen por la OGPe.

ENZO Engineering, psc.
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Gurabo, PR 00778
TEL. (787) 649-6200 | LOPEZBAEZ@ENZOGROUPLLC.ORG

HERNAN E. LOPEZ BAEZ
INGENIERO LICENCIADO
PUERTO RICO

HERNAN E. LOPEZ BAEZ, PE MEM
LIC. # 18134

BUS STOP SIGNAGE PROJECT - PHASE 1
ROUTE 2 | BUS STOP #29

FROM SAGRADO CORAZÓN TO BAYAMÓN
HIGHWAY PR-2 BEFORE SAN JOSÉ ST.
MUNICIPALITY OF BAYAMÓN

AUTORIDAD METROPOLITANA DE AUTOBUSES

METROPOLITAN BUS AUTHORITY
BOX 195349
SAN JUAN, PR 00919-5349

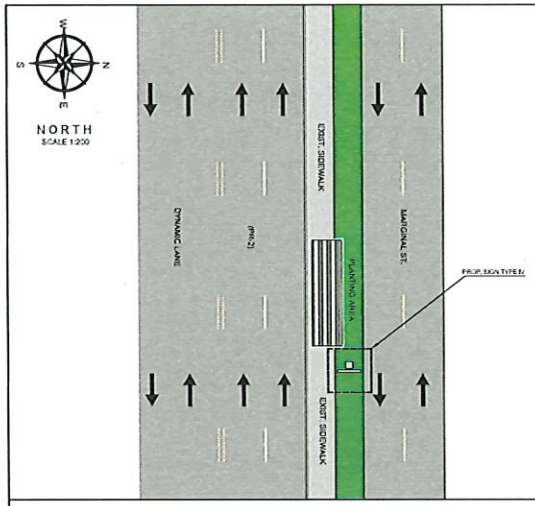
REVISION	
DATE: JUNE 2022	
CHECKED BY: BEV	DRAW BY: ABZ
DWG. TYPE: TS-2.28	SHEET NO. 68 OF 92

ROUTE 2 | BUS STOP #30

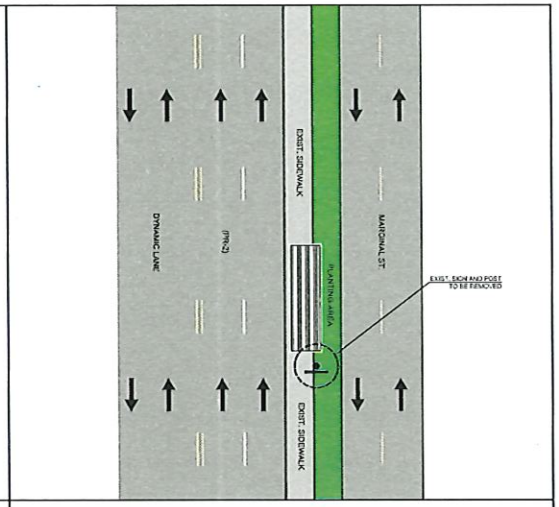
PHOTO - 1

PHOTO - 2

PHOTO - 3: PROPOSED SIGN LOCATION

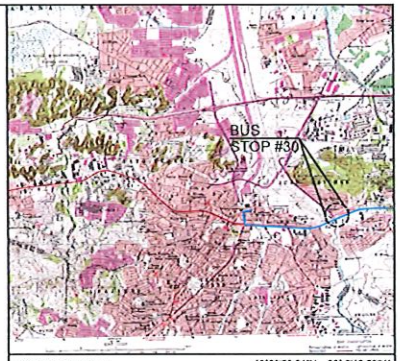


PROPOSED IMPROVEMENTS - ROUTE 2 | B.S.#30



EXIST. CONDITIONS - ROUTE 2 | B.S.#30

2.5 0 5 15
SCALE 1:200

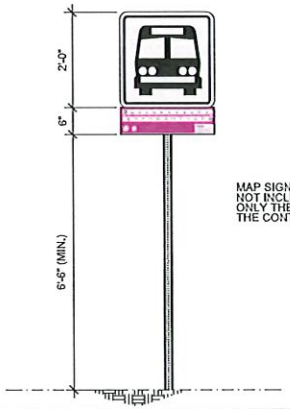


LOCATION PLAN
SCALE 1:20,000

18°23'50.01"N , 66° 8'16.52"W

AERIAL PHOTO
SCALE 1:1,000

GOOGLE EARTH
VERSION: 7.3.4.8542 PRO



MAP SIGN FABRICATION NOT INCLUDED IN THIS CONTRACT ONLY THE INSTALLATION BY THE CONTRACTOR

PROPOSED SIGN TYPE IV

NOT TO SCALE

LEGEND:

- PROP. SIGN TYPE I
- PROP. SIGN TYPE II
- PROP. SIGN TYPE III
- PROP. SIGN TYPE IV
- EXIST. SIGN
- PRIMA EXCLUSIVE LANE (AMA LANE)
- TRAFFIC DIRECTION

NOTES:

1. THE CONTRACTOR SHALL OBTAIN THE EXCAVATION, DEMOLITION AND PERMITS FROM THE DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS PRIOR THE BEGINNING OF EACH WORK SITE DURING THE PROJECT.
2. THE CONTRACTOR SHALL CONSULT THE PROJECT ENGINEER BEFORE THE INSTALLATION OF EACH STRUCTURE.
3. THE CONTRACTOR SHALL REMOVED THE EXISTING SIGN AND TRAFFIC POST. THESE STRUCTURE SHALL BE DELIVER TO THE PRIMA PERSONNEL.
4. THE CONTRACTOR SHALL REMOVE THE EXISTING POST FOUNDATION.
5. THE CONTRACTOR SHALL TAKE INTO ACCOUNT THE LEVEL OF THE EXISTING AERIAL UTILITIES IN THE AREA BEFORE THE WORK PROCEDURES.
6. THE MINIMUM DISTANCE OF THE LATERAL LOCATION OF THE EDGE OF THE SIGN TO THE EXISTING ROAD CURB SHALL BE 0.60 M.
7. THE CONTRACTOR SHALL INSTALL THE PROPOSED SIGN IN PLANTING AREA, NEXT TO BAYAMON MUNICIPALITY SIGNAGE. REFER TO PHOTO #3.

Yo, Hernan E. López Báez Ingeniero Número 18134, certifico que soy el profesional que preparó, diseñó y preparó estos planos y las especificaciones complementarias, también certifico que estimo que estos planos y especificaciones cumplen con las disposiciones aplicables del Reglamento Conjunto y las disposiciones aplicables de los Reglamentos y Códigos de Construcción vigentes de las Agencias, Juntas Reglamentadoras o Corporaciones Públicas con Jurisdicción. Reconozco que cualquier desviación futura o falsificación de los hechos que se haya producido por desconocimiento o por negligencia que sea por mí, mis agentes o empleados, o por otras personas con mi conocimiento, me hacen responsable de cualquier acción judicial y disciplinaria por la OGPe.

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HERNAN E. LOPEZ BAEZ
INGENIERO LICENCIADO
PUERTO RICO

HERNAN E. LOPEZ BAEZ, PE MEM
LIC. # 18134

BUS STOP SIGNAGE PROJECT - PHASE 1
ROUTE 2 | BUS STOP #30

FROM SAGRADO CORAZÓN TO BAYAMÓN
HIGHWAY PR-2 BEFORE HIGHWAY PR-6
MUNICIPALITY OF BAYAMÓN

AUTORIDAD METROPOLITANA DE AUTOBUSES

METROPOLITAN BUS AUTHORITY
BOX 195349
SAN JUAN, PR 00919-5349

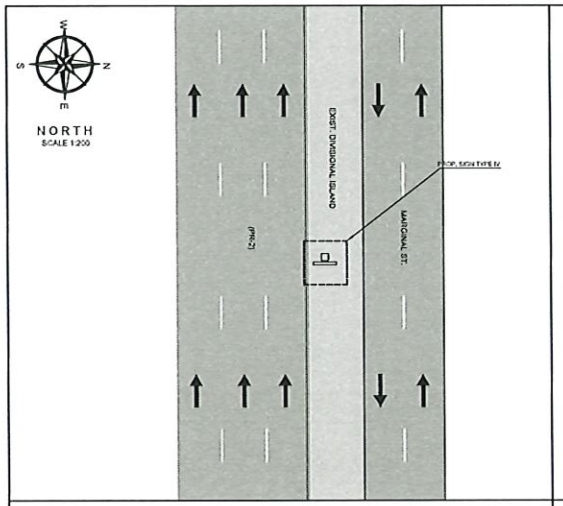
REVISION	
DATE: JUNE 2022	
CHECKED BY: BEV	DRAW BY: ABZ
DWG. TYPE: TS-2.29	SHEET NO. 69 OF 92

ROUTE 2 | BUS STOP #31

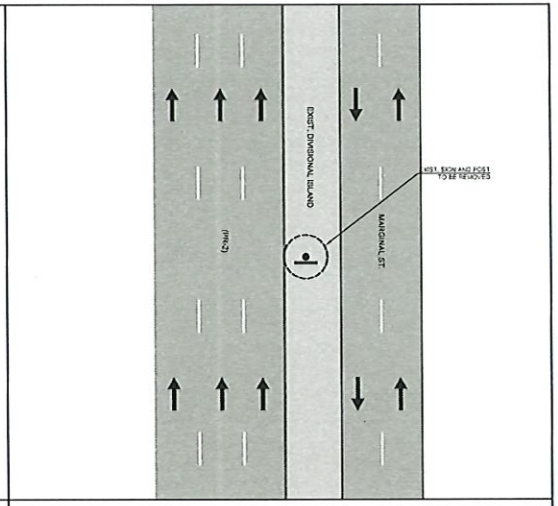
PHOTO - 1

PHOTO - 2

PHOTO - 3: PROPOSED SIGN LOCATION

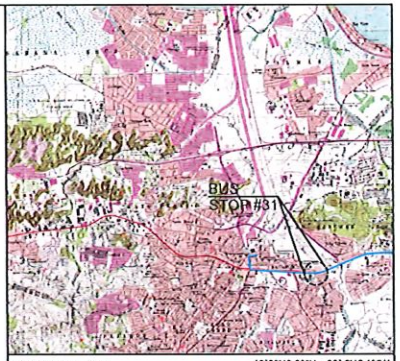


PROPOSED IMPROVEMENTS - ROUTE 2 | B.S.#31



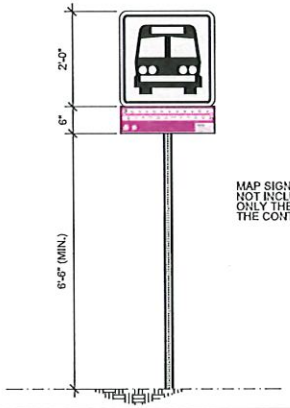
EXIST. CONDITIONS - ROUTE 2 | B.S.#31

2.5 0 5 15
SCALE 1:200



LOCATION PLAN
SCALE 1:20,000
18°23'43.20"N , 66° 8'42.19"W

AERIAL PHOTO
SCALE 1:1,000
GOOGLE EARTH
VERSION: 7.3.4.8542 PRO



MAP SIGN FABRICATION NOT INCLUDED IN THIS CONTRACT ONLY THE INSTALLATION BY THE CONTRACTOR

PROPOSED SIGN TYPE IV

NOT TO SCALE

LEGEND:

- PROP. SIGN TYPE I
- PROP. SIGN TYPE II
- PROP. SIGN TYPE III
- PROP. SIGN TYPE IV
- EXIST. SIGN
- PRIMBA EXCLUSIVE LANE (MIA LANE)
- TRAFFIC DIRECTION

NOTES:

1. THE CONTRACTOR SHALL OBTAIN THE EXCAVATION, DEMOLITION AND PERMITS PERMITTING FROM THE DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS PRIOR THE BEGINNING OF EACH WORK SITE DURING THE PROJECT.
2. THE CONTRACTOR SHALL CONSULT THE PROJECT ENGINEER BEFORE THE INSTALLATION OF EACH STRUCTURE.
3. THE CONTRACTOR SHALL REMOVED THE EXISTING SIGN AND TRAFFIC POST. THESE STRUCTURE SHALL BE DELIVER TO THE PRIMBA PERSONNEL.
4. THE CONTRACTOR SHALL REMOVE THE EXISTING POST FOUNDATION.
5. THE CONTRACTOR SHALL INSTALL THE PROPOSED SIGN IN THE DIVISIONAL ISLAND, REFER TO PHOTO #3.
6. THE MINIMUM DISTANCE OF THE LATERAL LOCATION OF THE EDGE OF THE SIGN TO THE EXISTING ROAD CURB SHALL BE 0.60 M.

Yo, Hernan E. Lopez Baez Ingeniero Licencia 18164, certifico que soy el profesional que perfeccionó, diseñó y/o preparó estas planos y las especificaciones complementarias, también certifico que entiendo que dichos planos y especificaciones cumplen con las disposiciones aplicables del Reglamento Conjunto y las disposiciones aplicables de los Reglamentos y Códigos de Construcción vigentes de las Agencias, Juntas Reglamentadoras o Corporaciones Públicas con Jurisdicción. Reconozco que cualquier desviación, falta o violación de las leyes que se haya producido por desconocimiento o por negligencia, que sea por mí, mis agentes o empleados, o por otras personas con mi conocimiento, me hacen responsable de cualquier acción judicial y disciplinaria por la DOPR.

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HERNAN E. LOPEZ BAEZ
INGENIERO LICENCIADO
PUERTO RICO

HERNAN E. LOPEZ BAEZ, PE MEM
LIC. 18164

BUS STOP SIGNAGE PROJECT - PHASE 1
ROUTE 2 | BUS STOP #31

FROM SAGRADO CORAZÓN TO BAYAMÓN
HIGHWAY PR-2 AFTER BOBBY CAPÓ AVE.
MUNICIPALITY OF BAYAMÓN

AUTORIDAD METROPOLITANA DE AUTOBUSES

METROPOLITAN BUS AUTHORITY
BOX 195349
SAN JUAN, PR 00919-5349

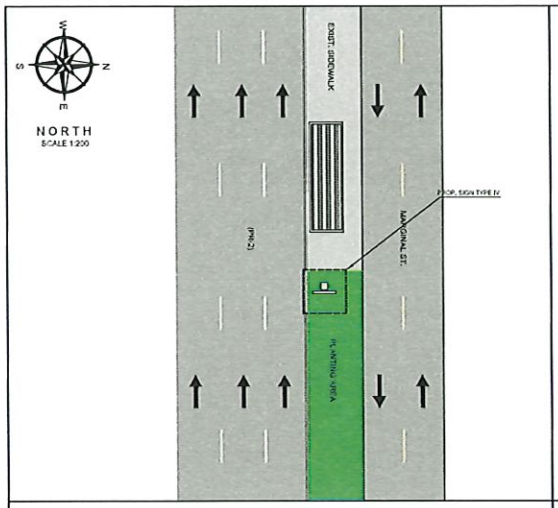
REVISION	
DATE: JUNE 2022	
CHECKED BY: BEV	DRAW BY: ABZ
DWG. TYPE: TS-2.30	SHEET NO. 70 OF 92

ROUTE 2 | BUS STOP #32

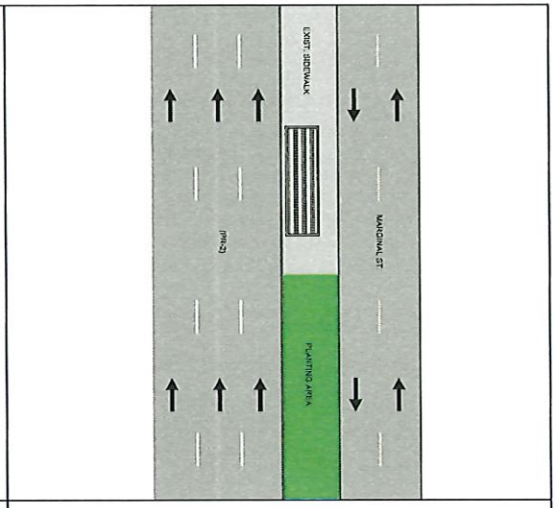
PHOTO - 1

PHOTO - 2

PHOTO - 3: PROPOSED SIGN LOCATION

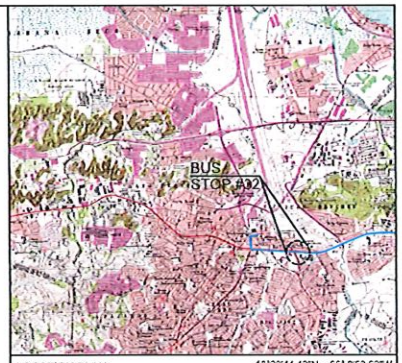


PROPOSED IMPROVEMENTS - ROUTE 2 | B.S.#32

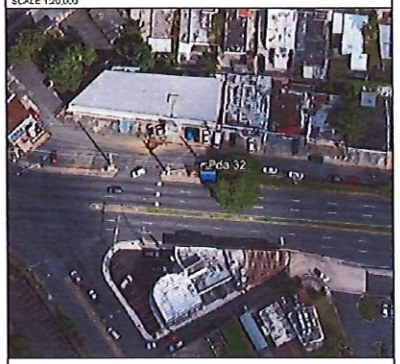


EXIST. CONDITIONS - ROUTE 2 | B.S.#32

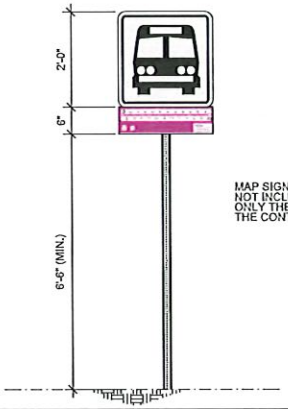
2.5 0 5 15
SCALE 1:200



LOCATION PLAN
SCALE 1:20,000
18°23'44.42"N , 66° 8'53.62"W



AERIAL PHOTO
SCALE 1:1,000
GOOGLE EARTH
VERSION: 7.3.4.8542 PRO



MAP SIGN FABRICATION NOT INCLUDED IN THIS CONTRACT ONLY THE INSTALLATION BY THE CONTRACTOR

PROPOSED SIGN TYPE IV

NOT TO SCALE

LEGEND:

- PROP. SIGN TYPE I
- PROP. SIGN TYPE II
- PROP. SIGN TYPE III
- PROP. SIGN TYPE IV
- EXIST. SIGN
- PRIMA EXCLUSIVE LANE (AMA LANE)
- TRAFFIC DIRECTION

NOTES:

1. THE CONTRACTOR SHALL OBTAIN THE EXCAVATION, DEMOLITION AND PERMITS PERMITTING FROM THE DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS PRIOR THE BEGINNING OF EACH WORK SITE DURING THE PROJECT.
2. THE CONTRACTOR SHALL CONSULT THE PROJECT ENGINEER BEFORE THE INSTALLATION OF EACH STRUCTURE.
3. THE CONTRACTOR SHALL TAKE INTO ACCOUNT THE LEVEL OF THE EXISTING AERIAL UTILITIES IN THE AREA BEFORE THE WORK PROCEDURES.
4. THE MINIMUM DISTANCE OF THE LATERAL LOCATION OF THE EDGE OF THE SIGN TO THE EXISTING ROAD CURB SHALL BE 0.61 M.
5. THE CONTRACTOR SHALL INSTALL THE PROPOSED SIGN IN THE PLANTING AREA, BEHIND THE GUARD RAIL. REFER TO PHOTO #1.

Yo, Hernan E. Lopez Baez Ingeniero Electrico 19154 certifico que soy el profesional que confeccionó, diseñó y/o preparó estos planos y las especificaciones complementarias. También certifico que estimo que estos planos y especificaciones cumplen con las disposiciones aplicables del Reglamento Conjunto y las disposiciones aplicables de los Reglamentos y Códigos de Construcción Vigentes de las Agencias, Juntas Reglamentadoras o Corporaciones Públicas con Jurisdicción. Reconozco que cualquier deficiencia falta o omisión de las normas que se haya producido por desconocimiento o por negligencia que me por mi, mis agentes o empleados, o por otras personas con mi consentimiento me hacen responsable de cualquier acción judicial y distribuirá por lo 100%.

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Guaynabo, PR 00778
TEL. (787) 649-6200 | LOPEZBAEZ@ENZOGROUPLLC.ORG

HERNAN E. LOPEZ BAEZ
INGENIERO LICENCIADO
PUERTO RICO
HERNAN E. LOPEZ BAEZ, PE MEM
LIC. # 19154

BUS STOP SIGNAGE PROJECT - PHASE 1
ROUTE 2 | BUS STOP #32

FROM SAGRADO CORAZÓN TO BAYAMÓN
HIGHWAY PR-2BEFORE ESTEBAN PADILLA ST.
MUNICIPALITY OF BAYAMÓN

AUTORIDAD METROPOLITANA DE AUTOBUSES

METROPOLITAN BUS AUTHORITY
BOX 195349
SAN JUAN, PR 00919-5349

REVISION	
DATE: JUNE 2022	
CHECKED BY: BEV	DRAW BY: ABZ
DWG. TYPE: TS-2.31	SHEET NO. 71 OF 92

ROUTE 2 | BUS STOP #33

PHOTO - 1

PHOTO - 2

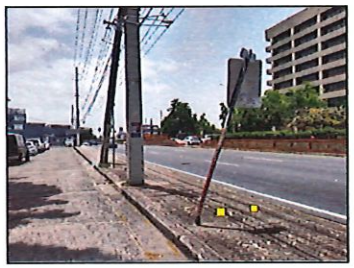
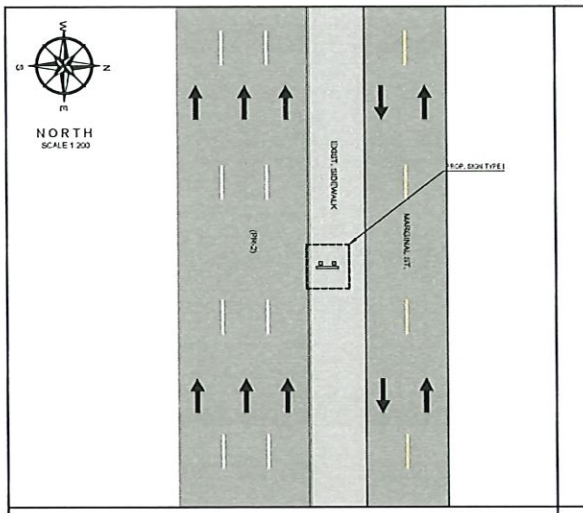
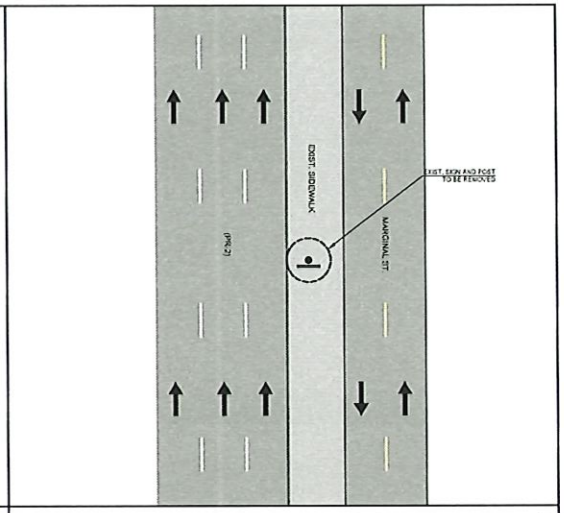


PHOTO - 3: PROPOSED SIGN LOCATION



PROPOSED IMPROVEMENTS - ROUTE 2 | B.S.#33



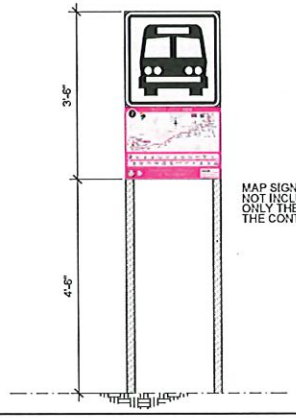
EXIST. CONDITIONS - ROUTE 2 | B.S.#33

LOCATION PLAN
SCALE 1:20,000

18°23'44.97"N , 66° 8'59.70"W

AERIAL PHOTO
SCALE 1:1,000

GOOGLE EARTH
VERSION 7.3.4.8642 PRO



MAP SIGN FABRICATION NOT INCLUDED IN THIS CONTRACT ONLY THE INSTALLATION BY THE CONTRACTOR

PROPOSED SIGN TYPE I

NOT TO SCALE

LEGEND:

- PROP. SIGN TYPE I
- PROP. SIGN TYPE II
- PROP. SIGN TYPE III
- PROP. SIGN TYPE IV
- EXIST. SIGN
- FRIMBA EXCLUSIVE LANE (AMA LANE)
- TRAFFIC DIRECTION

NOTES:

1. THE CONTRACTOR SHALL OBTAIN THE EXCAVATION, DEMOLITION AND PIPES PERMITTING FROM THE DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS PRIOR THE BEGINING OF EACH WORK SITE DURING THE PROJECT.
2. THE CONTRACTOR SHALL CONSULT THE PROJECT ENGINEER BEFORE THE INSTALLATION OF EACH STRUCTURE.
3. THE CONTRACTOR SHALL REMOVED THE EXISTING SIGN AND TRAFFIC POST, THESE STRUCTURE SHALL BE DELIVER TO THE FRIMBA PERSONNEL.
4. THE CONTRACTOR SHALL REMOVE THE EXISTING POST FOUNDATION.
5. THE CONTRACTOR SHALL TAKE INTO ACCOUNT THE LEVEL OF THE EXISTING AERIAL UTILITIES IN THE AREA BEFORE THE WORK PROCEDURES.
6. THE MINIMUM DISTANCE OF THE LATERAL LOCATION OF THE EDGE OF THE SIGN TO THE EXISTING ROAD CURB SHALL BE 2.50 ft.
7. THE CONTRACTOR SHALL INSTALL THE PROPOSED SIGN IN THE DIVISIONAL ISLAND. REFER TO PHOTO #3.

Yo, Hernan E. Lopez Baez, ingeniero licencia 18154, certifico que soy el profesional que confeccione, diseñe y prepare estos planos y las especificaciones complementarias. También certifico que entiendo que dichos planos y especificaciones cumplen con las disposiciones aplicables del Reglamento Conjunto y las disposiciones aplicables de los Reglamentos y Código de Construcción vigentes de las Agencias, Juntas Reglamentadoras o Corporaciones Públicas con jurisdicción. Reconozco que cualquier declaración falsa o falsificación de los hechos que se haya producido por desconocimiento o por negligencia de una por mí, mis agentes o empleados, o por otras personas con mi consentimiento me hacen responsable de cualquier acción judicial y disciplinaria por la OGPe.

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Guaraba, PR 00778
TEL. (787) 649-6200 | LOPEZBAEZ@ENZOGROUPLLC.ORG

HERNAN E. LOPEZ BAEZ
INGENIERO LICENCIADO
PUERTO RICO
HERNAN E. LOPEZ BAEZ, PE MEM
LIC. 18154PE

BUS STOP SIGNAGE PROJECT - PHASE 1
ROUTE 2 | BUS STOP #33

FROM SAGRADO CORAZÓN TO BAYAMÓN
HIGHWAY PR-2 BEFORE A ST.
MUNICIPALITY OF BAYAMÓN

AUTORIDAD METROPOLITANA DE AUTOBUSES

METROPOLITAN BUS AUTHORITY
BOX 195349
SAN JUAN, PR 00919-5349

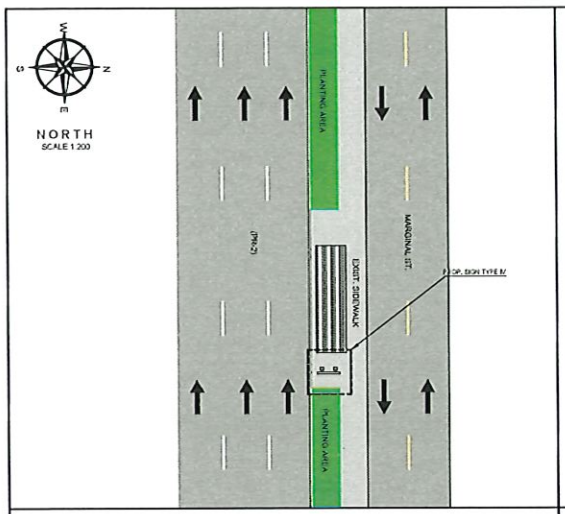
REVISION	
DATE: JUNE 2022	
CHECKED BY: BEV	DRAW BY: ABZ
DWG. TYPE: TS-2.32	SHEET NO. 72 OF 92

ROUTE 2 | BUS STOP #34

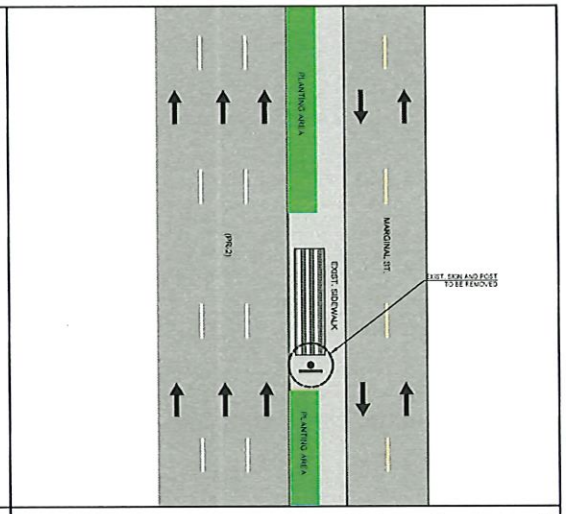
PHOTO - 1

PHOTO - 2

PHOTO - 3: PROPOSED SIGN LOCATION

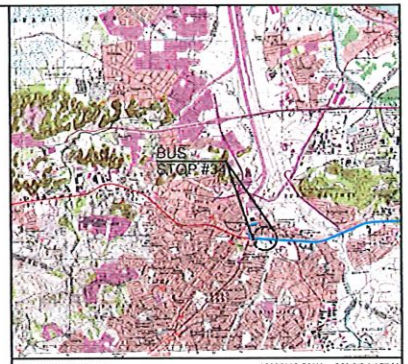


PROPOSED IMPROVEMENTS - ROUTE 2 | B.S.#34



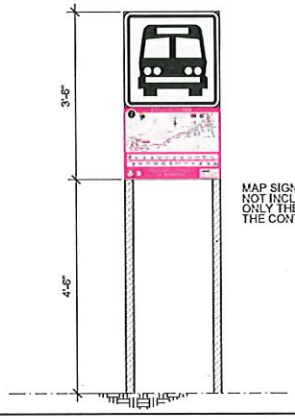
EXIST. CONDITIONS - ROUTE 2 | B.S.#34

2.5 0 5 15
SCALE 1:200



LOCATION PLAN 18°23'46.52"N , 66° 9'24.15"W
SCALE 1:20,000

AERIAL PHOTO GOOGLE EARTH
SCALE 1:1,000 VERSION 7.3.4.8642 PRO



MAP SIGN FABRICATION NOT INCLUDED IN THIS CONTRACT ONLY THE INSTALLATION BY THE CONTRACTOR

PROPOSED SIGN TYPE IV NOT TO SCALE

LEGEND:

- PROP. SIGN TYPE I
- PROP. SIGN TYPE II
- PROP. SIGN TYPE III
- PROP. SIGN TYPE IV
- EXIST. SIGN
- FIRMBA EXCLUSIVE LANE (AMA LANE)
- TRAFFIC DIRECTION

NOTES:

1. THE CONTRACTOR SHALL OBTAIN THE EXCAVATION, DEMOLITION AND PIPES PERMITTING FROM THE DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS PRIOR THE BEGINNING OF EACH WORK SITE DURING THE PROJECT.
2. THE CONTRACTOR SHALL CONSULT THE PROJECT ENGINEER BEFORE THE INSTALLATION OF EACH STRUCTURE.
3. THE CONTRACTOR SHALL REMOVED THE EXISTING SIGN AND TRAFFIC POST. THESE STRUCTURE SHALL BE DELIVER TO THE FIRMBA PERSONNEL.
4. THE CONTRACTOR SHALL REMOVE THE EXISTING POST FOUNDATION.
5. THE CONTRACTOR SHALL TAKE INTO ACCOUNT THE LEVEL OF THE EXISTING AERIAL UTILITIES IN THE AREA BEFORE THE WORK PROCEDURES.
6. THE HORIZONTAL DISTANCE OF THE LATERAL LOCATION OF THE EDGE OF THE SIGN TO THE EXISTING ROADWAYS SHALL BE 0.60 M.
7. THE CONTRACTOR SHALL INSTALL THE PROPOSED SIGN IN SIDEWALK NEXT TO TROLLEY'S SIGN. REFER TO PHOTO #3.

Yo, Hernan E. Lopez Baez, ingeniero licencia 18154, certifico que soy el profesional que confeccionó, diseñó y preparó estos planos y las especificaciones completas mostradas. También certifico que entiendo que estos planos y especificaciones cumplen con las disposiciones aplicables del Reglamento Conjunto y las disposiciones aplicables de los Reglamentos y Códigos de Construcción vigentes de las Agencias, Juntas Reglamentadoras o Corporaciones Públicas con jurisdicción. Reconozco que cualquier declaración falsa o falsificación de los hechos que se haya producido por desconocimiento o por negligencia, ya sea por mí, mis agentes o empleados, o por otras personas con mi consentimiento me hacen responsable de cualquier acción judicial y disciplinaria por la OGPe.

ENZO Engineering, psc.
PO Box 3040, PMB 427
Gurabo, PR 00778
TEL. (787) 649-6200 | LOPEZBAEZ@ENZOGROUPLLC.ORG

HERNAN E. LOPEZ BAEZ, PE MEM
LIC. 18154PE

BUS STOP SIGNAGE PROJECT - PHASE 1
ROUTE 2 | BUS STOP #34

FROM SAGRADO CORAZÓN TO BAYAMÓN
HIGHWAY PR-2 BEFORE RAMÓN LUIS RIVERA AVE.
MUNICIPALITY OF BAYAMÓN

AUTORIDAD METROPOLITANA DE AUTOBUSES

METROPOLITAN BUS AUTHORITY
BOX 195349
SAN JUAN, PR 00919-5349

REVISION	
DATE: JUNE 2022	
CHECKED BY: BEV	DRAW BY: ABZ
DWG. TYPE: TS-2.33	SHEET NO. 73 OF 92

ROUTE 2 | BUS STOP #35

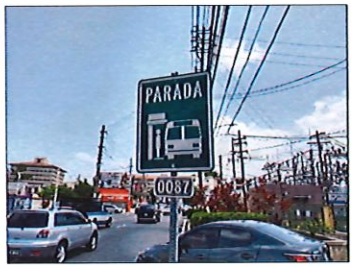
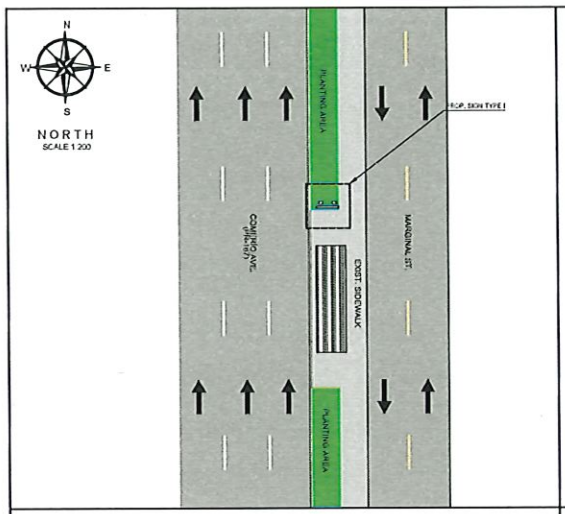


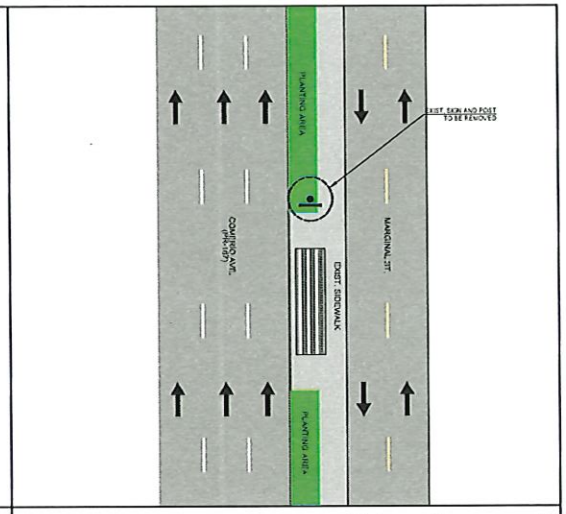
PHOTO - 1

PHOTO - 2

PHOTO - 3: PROPOSED SIGN LOCATION

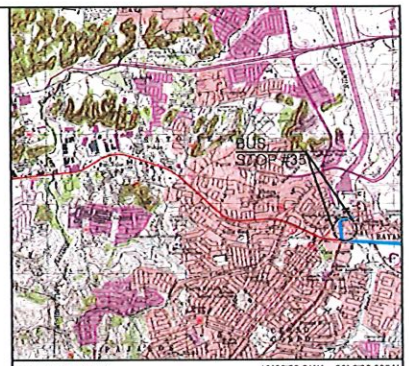


PROPOSED IMPROVEMENTS - ROUTE 2 | B.S.#35



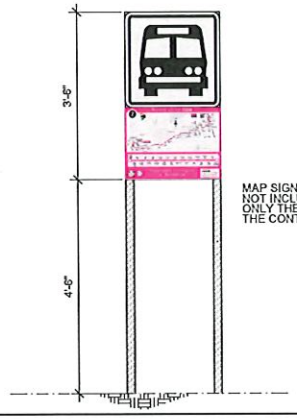
EXIST. CONDITIONS - ROUTE 2 | B.S.#35

2.5 0 5 15
SCALE 1:200



LOCATION PLAN 18°23'50.61"N , 66° 9'28.82"W
SCALE 1:20,000

AERIAL PHOTO GOOGLE EARTH
SCALE 1:1,000 VERSION: 7.3.4.8642 PRO



MAP SIGN FABRICATION NOT INCLUDED IN THIS CONTRACT ONLY THE INSTALLATION BY THE CONTRACTOR

PROPOSED SIGN TYPE I NOT TO SCALE

LEGEND:

- PROP. SIGN TYPE I
- PROP. SIGN TYPE II
- PROP. SIGN TYPE III
- PROP. SIGN TYPE IV
- EXIST. SIGN
- FRMBA EXCLUSIVE LANE (AMA LANE)
- TRAFFIC DIRECTION

NOTES:

1. THE CONTRACTOR SHALL OBTAIN THE EXCAVATION, DEMOLITION AND PIPES PERMITTING FROM THE DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS PRIOR THE BEGINNING OF EACH WORK SITE DURING THE PROJECT.
2. THE CONTRACTOR SHALL CONSULT THE PROJECT ENGINEER BEFORE THE INSTALLATION OF EACH STRUCTURE.
3. THE CONTRACTOR SHALL REMOVED THE EXISTING SIGN AND TRAFFIC POST. THESE STRUCTURE SHALL BE DELIVER TO THE FRMBA PERSONNEL.
4. THE CONTRACTOR SHALL REMOVE THE EXISTING POST FOUNDATION.
5. THE CONTRACTOR SHALL TAKE INTO ACCOUNT THE LEVEL OF THE EXISTING AERIAL UTILITIES IN THE AREA BEFORE THE WORK PROCEDURES.
6. THE MINIMUM DISTANCE OF THE LATERAL LOCATION OF THE EDGE OF THE SIGN TO THE EXISTING ROAD CURB SHALL BE 0.60 M.
7. THE CONTRACTOR SHALL INSTALL THE PROPOSED SIGN IN THE PLANTING AREA. ALSO, FIRST THE CONTRACTOR SHALL REMOVE A TREE SECTION. REFER TO PHOTO #3.

Yo, Hernan E. Lopez Baez, ingeniero licencia 18154, certifico que soy el profesional que confeccionó, diseñó y preparó estos planos y las especificaciones complementarias. También certifico que entiendo que dichos planos y especificaciones cumplen con las disposiciones aplicables del Reglamento Conjunto y las disposiciones aplicables de los Reglamentos y Código de Construcción vigentes de las Agencias, Juntas Reglamentarias o Corporaciones Públicas con jurisdicción. Reconozco que cualquier desviación leve o falsificación de los hechos que se haya producido por desconocimiento o por negligencia ya sea por mí, mis agentes o empleados, o por otras personas con no consentimiento me hacen responsable de cualquier acción judicial y disciplinaria por la OGPe.

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HERNAN E. LOPEZ BAEZ, PE MEM
LIC. 18154PE

BUS STOP SIGNAGE PROJECT - PHASE 1
ROUTE 2 | BUS STOP #35

FROM SAGRADO CORAZÓN TO BAYAMÓN
COMERÍO AVENUE AFTER M. ROSA ST.
MUNICIPALITY OF BAYAMÓN

AUTORIDAD METROPOLITANA DE AUTOBUSES

METROPOLITAN BUS AUTHORITY
BOX 195349
SAN JUAN, PR 00919-5349

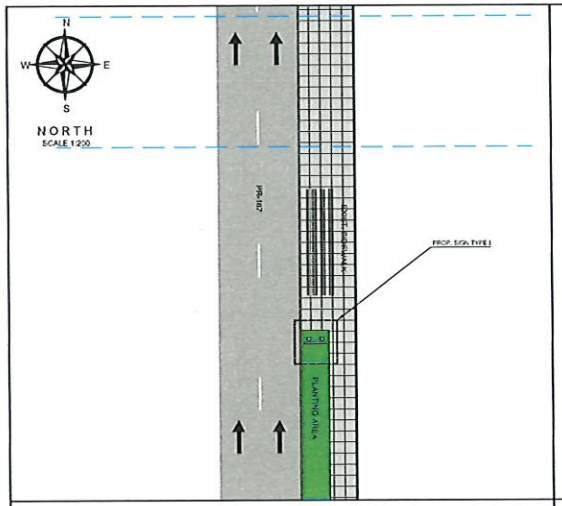
REVISION	
DATE: JUNE 2022	
CHECKED BY: BEV	DRAWN BY: ABZ
DWG. TYPE: TS-2.34	SHEET NO. 74 OF 92

ROUTE 2 | BUS STOP #36

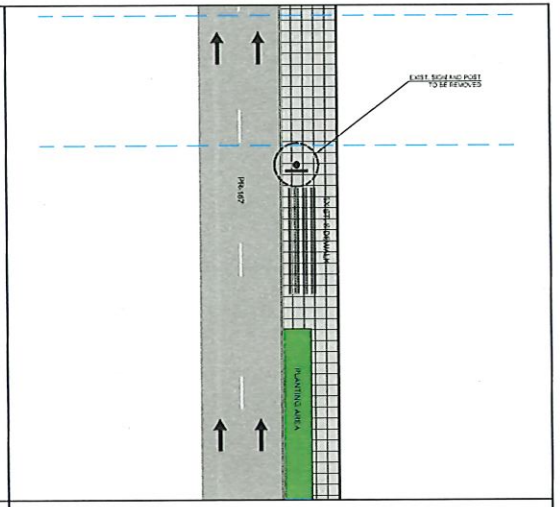
PHOTO - 1

PHOTO - 2

PHOTO - 3: PROPOSED SIGN LOCATION

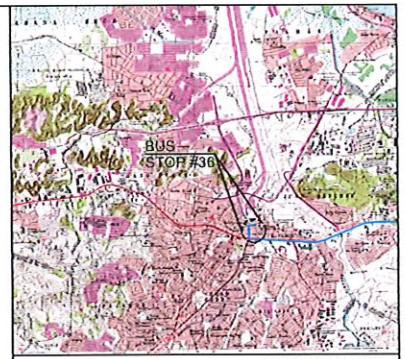


PROPOSED IMPROVEMENTS - ROUTE 2 | B.S.#36

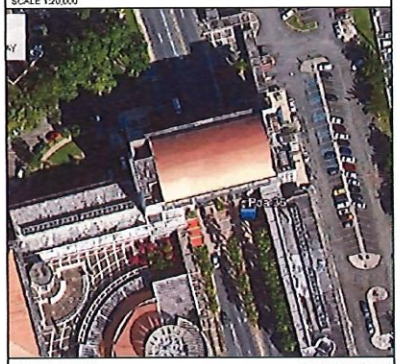


EXIST. CONDITIONS - ROUTE 2 | B.S.#36

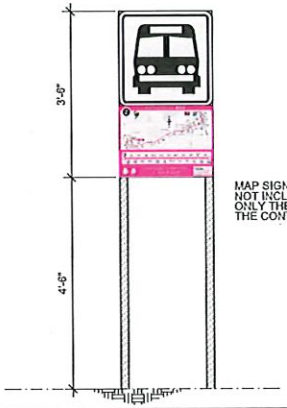
2.5 0 5 15
SCALE 1:200



LOCATION PLAN 18°24'1.00"N , 66° 9'31.09"W
SCALE 1:20,000



AERIAL PHOTO GOOGLE EARTH
SCALE 1:1,000 VERSION: 7.3.4.8642 PRO



MAP SIGN FABRICATION NOT INCLUDED IN THIS CONTRACT ONLY THE INSTALLATION BY THE CONTRACTOR

PROPOSED SIGN TYPE I NOT TO SCALE

LEGEND:

- PROP. SIGN TYPE I
- PROP. SIGN TYPE II
- PROP. SIGN TYPE III
- PROP. SIGN TYPE IV
- EXIST. SIGN
- PRMSA EXCLUSIVE LANE (AMA LANE)
- TRAFFIC DIRECTION

NOTES:

1. THE CONTRACTOR SHALL OBTAIN THE EXCAVATION, DEMOLITION AND PERMITTING FROM THE DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS PRIOR THE BEGINNING OF EACH WORK SITE DURING THE PROJECT.
2. THE CONTRACTOR SHALL CONSULT THE PROJECT ENGINEER BEFORE THE INSTALLATION OF EACH STRUCTURE.
3. THE CONTRACTOR SHALL REMOVED THE EXISTING SIGN AND TRAFFIC POST. THESE STRUCTURE SHALL BE DELIVER TO THE PRMSA PERSONNEL.
4. THE CONTRACTOR SHALL REMOVE THE EXISTING POST FOUNDATION.
5. THE CONTRACTOR SHALL INSTALL THE PROPOSED SIGN IN PLANTING AREA. BEFORE THE SIDEWALK. REFER TO PLANTS 3-9.
6. THE MINIMUM DISTANCE OF THE LATERAL LOCATION OF THE EDGE OF THE SIGN TO THE EXISTING ROAD CURB SHALL BE 2.40 M.

Yo, Hernan E. Lopez Baez Ingeniero Electrico 18104 certifico que soy el profesional que confeccionó, diseñó y preparó estos planos y las especificaciones correspondientes. También certifico que entiendo que dichos planos y especificaciones cumplen con las disposiciones aplicables del Reglamento Conjunto y las disposiciones aplicables de los Reglamentos y Códigos de Construcción vigentes de los Negociados Antes Reglamentadores o Corporaciones Públicas con Jurisdicción. Reconozco que cualquier declaración falsa o falseada de los hechos que se hace producirá por desconocimiento o por negligencia que sea por mí o de agencias o empleados o por otras personas con mi conocimiento, me hacen responsable de cualquier acción judicial y disciplinaria por la OCPR.

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Guraabo, PR 00778
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HERNAN E. LOPEZ BAEZ, PE MEM
LIC. 18-5491

BUS STOP SIGNAGE PROJECT - PHASE 1
ROUTE 2 | BUS STOP #36

FROM SAGRADO CORAZÓN TO BAYAMÓN
COMERÍO AVENUE AFTER BETANCES ST.
MUNICIPALITY OF BAYAMÓN

AUTORIDAD METROPOLITANA DE AUTOBUSES

METROPOLITAN BUS AUTHORITY
BOX 195349
SAN JUAN, PR 00919-5349

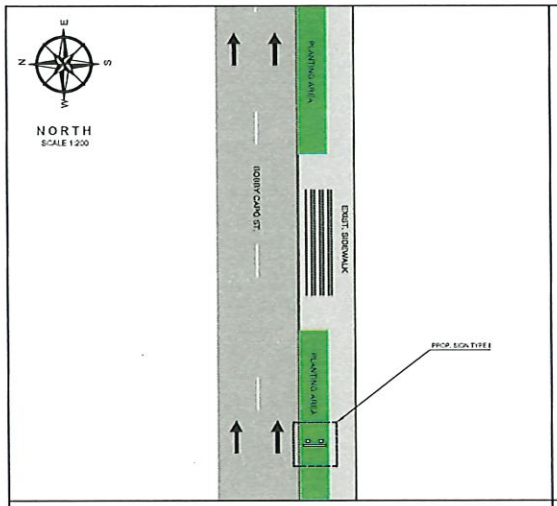
REVISION	
DATE: JUNE 2022	
CHECKED BY: BEV	DRAW BY: ABZ
DWG. TYPE: TS-2.35	SHEET NO. 75 OF 92

ROUTE 2 | BUS STOP #37

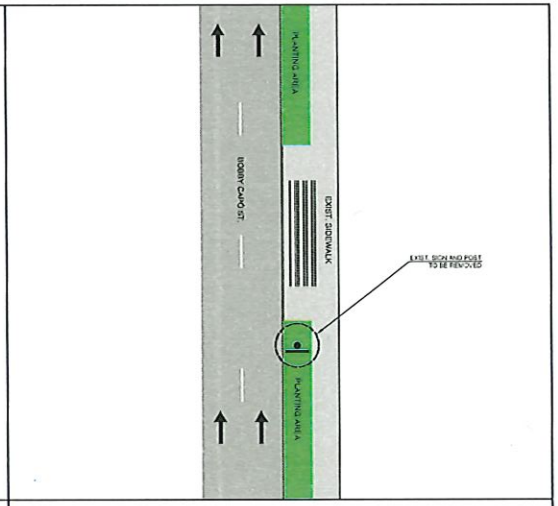
PHOTO - 1

PHOTO - 2

PHOTO - 3: PROPOSED SIGN LOCATION

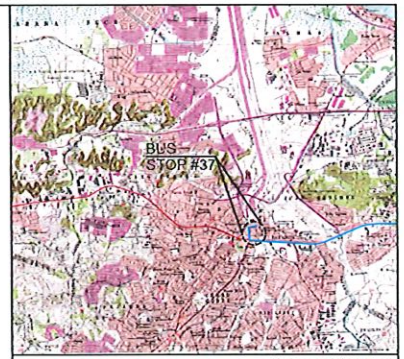


PROPOSED IMPROVEMENTS - ROUTE 2 | B.S.#37



EXIST. CONDITIONS - ROUTE 2 | B.S.#37

2.5 0 5 15
SCALE 1:200

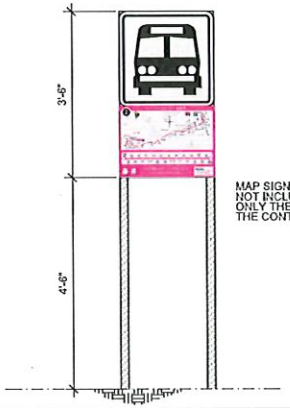


LOCATION PLAN
SCALE 1:20,000

18°24'6.28"N , 66° 9'26.19"W

AERIAL PHOTO
SCALE 1:1,000

GOOGLE EARTH
VERSION: 7.3.4.8542 PRO



MAP SIGN FABRICATION NOT INCLUDED IN THIS CONTRACT ONLY THE INSTALLATION BY THE CONTRACTOR

PROPOSED SIGN TYPE I

NOT TO SCALE

LEGEND:

- PROP. SIGN TYPE I
- PROP. SIGN TYPE II
- PROP. SIGN TYPE III
- PROP. SIGN TYPE IV
- EXIST. SIGN
- FRMSA EXCLUSIVE LANE (AMA LANE)
- TRAFFIC DIRECTION

NOTES:

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2. THE CONTRACTOR SHALL CONSULT THE PROJECT ENGINEER BEFORE THE INSTALLATION OF EACH STRUCTURE.
3. THE CONTRACTOR SHALL REMOVED THE EXISTING SIGN AND TRAFFIC POST. THESE STRUCTURE SHALL BE DELIVER TO THE FRMSA PERSONNEL.
4. THE CONTRACTOR SHALL REMOVE THE EXISTING POST FOUNDATION.
5. THE CONTRACTOR SHALL TAKE INTO ACCOUNT THE LEVEL OF THE EXISTING AERIAL UTILITIES IN THE AREA BEFORE THE WORK PROCEDURES.
6. THE MINIMUM DISTANCE OF THE LATERAL LOCATION OF THE EDGE OF THE SIGN TO THE EXISTING ROAD CURB SHALL BE 0.61 M.
7. THE CONTRACTOR SHALL INSTALL THE PROPOSED SIGN IN THE PLANTING AREA BEHIND THE BOLLARD. REFER TO PLOTO #3.

Yo, Hernan E. Lopez Baez, Ingeniero Licencia 19134, certifico que soy el profesional que ha diseñado, diseñó y preparó estos planos y las especificaciones complementarias. Estas, certifico que se ajustan a los diseños planos y especificaciones cumplen con las disposiciones aplicables del Reglamento Conjunto, las disposiciones aplicables de los Reglamentos y Códigos de Construcción Vigentes de las Agencias Juntas Reglamentadoras o Corporaciones Públicas con Jurisdicción. Reconozco que cualquier deficiencia o Violación de las normas que se haya producido por desconocimiento o por negligencia que me pueda ser imputada, o por otras personas con mi consentimiento, me hacen responsable de cualquier acción judicial y disciplinaria por la DCPR.

ENZO Engineering, psc.
PO Box 3040, PMB 427
Guaraba, PR 00778
TEL. (787) 649-6200 | LOPEZBAEZ@ENZOGROUPLLC.ORG

HERNAN E. LOPEZ BAEZ, PE MEM
LIC. 19-5476

BUS STOP SIGNAGE PROJECT - PHASE 1
ROUTE 2 | BUS STOP #37

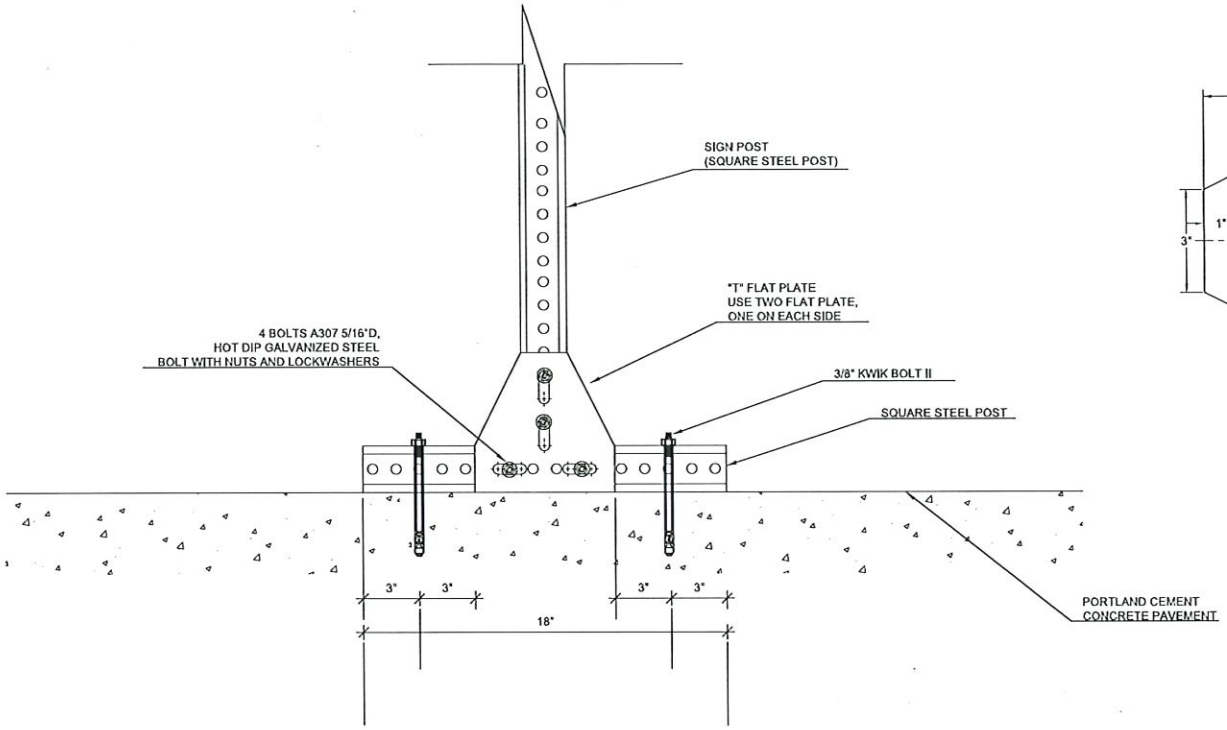
FROM SAGRADO CORAZÓN TO BAYAMÓN
BOBBY CAPÓ AVENUE BEFORE DEGETAU ST.
MUNICIPALITY OF SAN JUAN

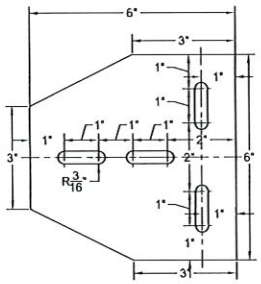
AUTORIDAD METROPOLITANA DE AUTOBUSES

METROPOLITAN BUS AUTHORITY
BOX 195349
SAN JUAN, PR 00919-5349

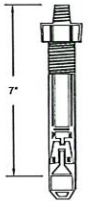
REVISION	
DATE: JUNE 2022	
CHECKED BY: BEV	DRAW BY: ABZ
DWG. TYPE: TS-2.36	SHEET NO. 76 OF 92

ROUTE 2 | BUS STOPS





"T" FLAT PLATE



3/8" KWIK BOLT II AS
MANUFACTURED BY HILTI

GENERAL NOTES:

1. THE STEEL FLAT PLATE SHALL CONFORM WITH THE REQUIREMENTS OF ASTM A570 GRADE 33 OR ASTM A36.
2. AFTER ALL PUNCHING, DRILLING, STAMPING AND WELDING IS COMPLETE, THE STEEL FLAT PLATE SHALL BE ZINC-COATED BY THE HOT-DIP PROCESS ACCORDING TO AASHTO M111 (ASTM A123).
3. STEEL FLAT PLATE THICKNESS SHALL BE 1/8".
4. THE CONTRACTOR SHALL USE FLAT PLATES FOR POST CONNECTIONS AS A SUBSIDIARY OBLIGATION.

Yo, Hernan E. Lopez Baez, Ingeniero Licenciado #18-54, certifico que soy el profesional que confeccionó diseñó y preparó estos planos y las especificaciones conforme a las Normas, Reglas, Leyes y Reglamentos que deben cumplir con las disposiciones aplicables del Reglamento Conjunto y las disposiciones aplicables de los Reglamentos y Códigos de Construcción Vigentes de las Agencias, Juntas Reglamentadoras o Corporaciones Públicas con Jurisdicción. Reconozco que cualquier deficiencia Mala o Malicioso de los mismos que se haya producido por desconocimiento o por negligencia que me pueda imputar, o por otras personas con mi consentimiento, me hacen responsable de cualquier acción judicial y daños que pueda ocurrir.

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TEL. (787) 649-6200 | LOPEZBAEZ@ENZOGROUPLLC.ORG

HERNAN E. LOPEZ BAEZ, PE MEM
LIC. 18-54PE

BUS STOP SIGNAGE PROJECT - PHASE 1
ROUTE 2
STEEL POST - INSTALATION TO CONCRETE SLAB

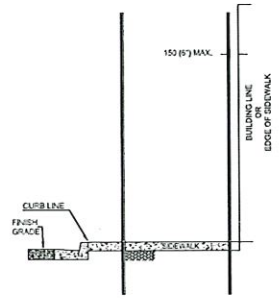
FROM SAGRADO CORAZÓN TO BAYAMON
MUNICIPALITIES OF SAN JUAN, GUAYNABO AND BAYAMON

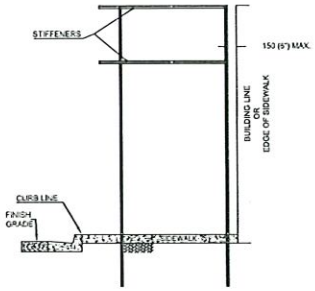
AUTORIDAD METROPOLITANA DE AUTOBUSES

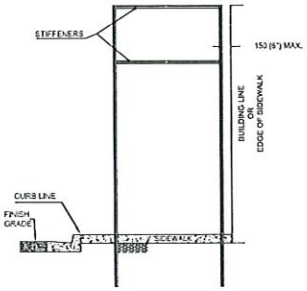
METROPOLITAN BUS AUTHORITY
BOX 195349
SAN JUAN, PR 00919-5349

REVISION	
DATE: JUNE 2022	
CHECKED BY: BEV	DRAW BY: ABZ
DWG. TYPE: TS-3.01	SHEET NO. 77 OF 92

ROUTE 2 | BUS STOPS

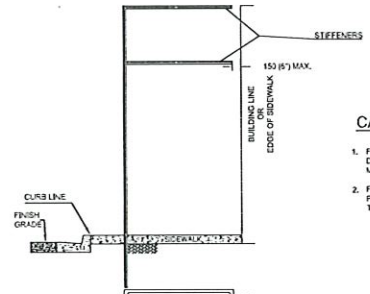






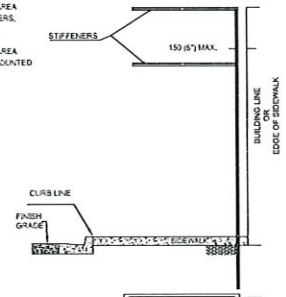
H SUPPORT MOUNTING

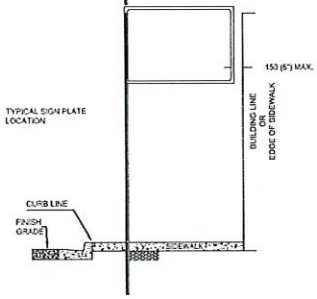
1. FOR SIGN PANELS WITH A SIGN PANEL AREA EQUAL OR LESS THAN 2.6 SQUARE METERS, 28 SQUARE FEET.
2. FOR SIGN PANELS WITH A SIGN PANEL AREA GREATER THAN 28 SQF USE GROUND MOUNTED BREAK-AWAY INSTALLATION.



CANTILEVER SUPPORT MOUNTING

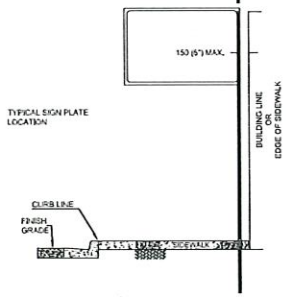
1. FOR SQUARE, RECTANGULAR, PENTAGONAL, OCTAGONAL, DIAMOND AND EQUILATERAL TRIANGLE SIGN PANEL WITH A MAXIMUM HORIZONTAL WIDTH GREATER THAN 600 (24").
2. FOR OCTAGONAL, DIAMOND, TOURISTIC AND CIRCULAR SIGN PANEL WITH A MAXIMUM HORIZONTAL WIDTH EQUAL OR LESS THAN 600 (24").





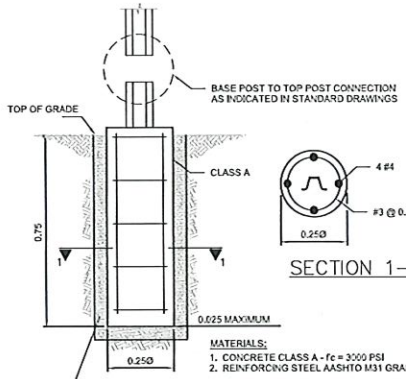
SINGLE SUPPORT MOUNTING

1. FOR SQUARE AND RECTANGULAR SIGN PANEL WITH A MAXIMUM HORIZONTAL WIDTH EQUAL OR LESS THAN 600 (24").
2. FOR ISOSCELES TRIANGLE SIGN PANEL USE SINGLE SUPPORT MOUNTING.



GENERAL NOTES:

1. VERTICAL CLEARANCE TO BOTTOM OF LOWEST SIGN PANEL SHALL BE 2.130 (7'-0") TO 2.300 (7'-6") FROM SIDEWALK GRADE.
2. THE CONTRACTOR MAY USE STEEL FLANGED CHANNEL POST OR SQUARE STEEL POST.
3. THE FOUNDATIONS SHALL BE AS INDICATED FOR STEEL FLANGED CHANNEL AND SQUARE STEEL POST FOUNDATION DETAILS FOR SIDEWALK OR CONCRETE PAVED AREA STANDARD DRAWINGS.
   TOP POST TO BASE POST CONNECTION SHALL BE AS INDICATED FOR STEEL FLANGED CHANNEL AND SQUARE STEEL POST CONNECTION DETAILS STANDARD DRAWING.
4. THE CONTRACTOR SHALL USE FLAT PLATES FOR POST TO STIFFENERS CONNECTION.
5. ALL VERTICAL POSTS SHALL BE CONTINUOUS IN LENGTH.
6. THE MAXIMUM AREA PERMITTED FOR SINGLE AND CANTILEVER SUPPORT MOUNTING SHALL BE 6 SQUARE FEET.
7. STIFFENERS SHALL BE SQUARE POST, STEEL FLANGED CHANNEL OR ALTERNATE STIFFENER.
8. MINIMUM OFFSET FROM CURB LINE TO SIGN PANEL SHALL BE 600 (24") MIN.
9. THE CONTRACTOR SHALL LOCATE POST AND STIFFENERS AS PER TYPICAL POST LOCATION FOR MOUNTING ON SIDEWALK AREAS WITH OR WITHOUT PLANTING STRIP STANDARD DRAWINGS



MATERIALS:
1. CONCRETE CLASS A - f'c = 3000 PSI
2. REINFORCING STEEL AASHTO M31 GRADE 60

- FOR NATURAL SOIL, SATURATED CLEAN SAND WITH LESS THAN 5% PASSING THE #200 SIEVE BACKFILL AGAINST UNDISTURBED SOIL.
- FOR ROCK CONDITION, BACKFILL WITH 1,000 PSI GROUT

NOTE:
ALL DIMENSIONS SHOW ARE IN METERS UNLESS OTHERWISE SPECIFIED.

Yo, Hernan E. Lopez Baez, Ingeniero Licenciado (P.E.), certifico que soy el profesional que confeccionó, diseñó y preparó estos planos y las especificaciones complementarias. Certifico que en la forma que diseñé estos planos y especificaciones cumplen con las disposiciones aplicables del Reglamento Conjunto y las disposiciones aplicables de los Reglamentos y Códigos de Construcción Vigentes de las Agencias, Juntas Reglamentadoras o Corporaciones Públicas con Jurisdicción. Reconozco que cualquier deficiencia o violación a por estas personas con relación a lo mencionado, me hacen responsable de cualquier acción judicial y deslindo de la OPA.

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BUS STOP SIGNAGE PROJECT - PHASE 1
ROUTE 2
STEEL POST - INSTALATION TO CONCRETE SLAB
STEEL FLANGED CHANNEL

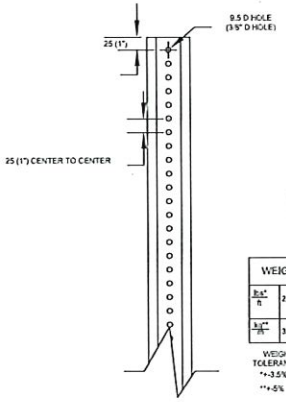
FROM SAGRADO CORAZÓN TO BAYAMON
MUNICIPALITIES OF SAN JUAN, GUAYNABO AND BAYAMON

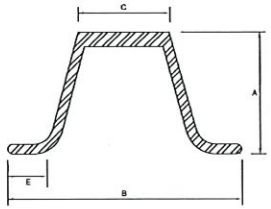
AUTORIDAD METROPOLITANA DE AUTOBUSES

METROPOLITAN BUS AUTHORITY
BOX 195349
SAN JUAN, PR 00919-5349

REVISION	
DATE: JUNE 2022	
CHECKED BY: BEV	DRAW BY: ABZ
DWG. TYPE: TS-3.02	SHEET NO. 78 OF 92

ROUTE 2 | BUS STOPS





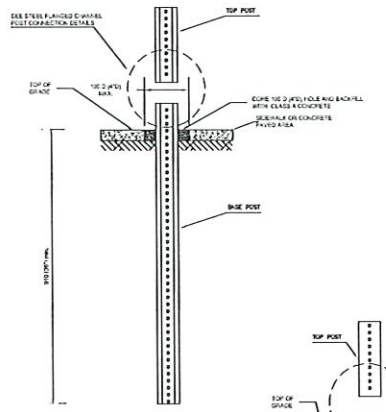
WEIGHT			NOMINAL DIMENSIONS			
			"A"	"B"	"C"	"E"
3/8" / 8	2.00	IN	1.45 TO 1.55	3.00 TO 3.15	1.25 TO 1.30	0.62 TO 0.67
9.5" / 8	3.00	MM	37 TO 38.5	77.5 TO 79.5	31.75 TO 32.5	15.8 TO 17.0

WEIGHT TOLERANCES
**+-3.5%
**+-5%

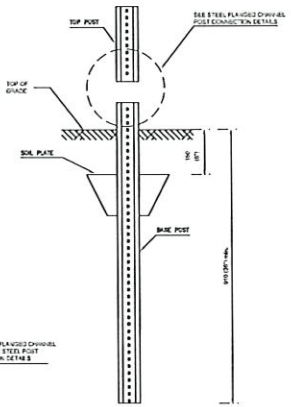
GENERAL NOTES:

1. STEEL POST SHALL CONFORM TO THE REQUIREMENTS OF ASTM A499, GRADE 60 OR MARION STEEL COMPANY GRADE SP-80.
2. AFTER FABRICATION, POST SHALL BE HOT DIP GALVANIZED IN ACCORDANCE WITH AASHTO M111 (ASTM A123).
3. THE BASE POST MAY HAVE SLOTTED HOLE 9.5 X 13 FOR THE FIRST AND FIFTH HOLE.

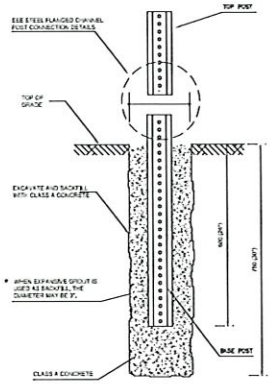
STEEL FLANGED CHANNEL
TOP OR BASE POST



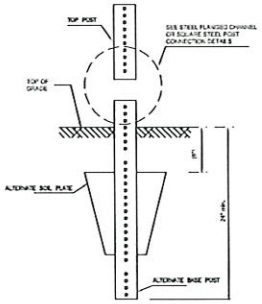
SIDEWALK OR CONCRETE
PAVED AREA



NATURAL SOIL
USE SOIL PLATE



ROCK CONDITION



NATURAL SOIL
ALTERNATE BASE POST AND SOIL PLATE

GENERAL NOTES:

1. THE CONTRACTOR SHALL USE APPROPRIATE SIZE DRIVE CAP TO DRIVE POSTS.
2. FOR SIDEWALK OR CONCRETE PAVED AREA, THE CONTRACTOR SHALL CORE SIDEWALK SLAB 6"D AND BACKFILL WITH CLASS A CONCRETE AS A SUBSIDIARY OBLIGATION.
3. FOR ROCK CONDITION, THE CONTRACTOR SHALL EXCAVATE (8" DIAMETER HOLE) AND BACKFILL WITH CLASS A CONCRETE OR EXCAVATE (8" DIAMETER HOLE) AND BACKFILL WITH EXPANDED GROUT AS A SUBSIDIARY OBLIGATION.

NOTE APPLICABLE TO ALL SMALL TRAFFIC SIGNS DRAWINGS:

1. ALL DIMENSIONS IN MILLIMETERS UNLESS OTHERWISE SPECIFIED.
   DIMENSIONS GIVEN IN METERS SHALL BE INDICATED WITH: M
   DIMENSIONS GIVEN IN INCHES SHALL BE INDICATED WITH: "
   DIMENSIONS GIVEN IN FEET SHALL BE INDICATED WITH: '
2. SYSTEMS IN ENGLISH UNITS ARE ACCEPTABLE.
3. DIAMETER SHALL BE INDICATED WITH "D"
4. REFLECTIVE SHEETING USED ON ALL SIGNS SHALL CONFORM TO ASTM D4956, TYPE III. THE BACKING SHALL BE CLASS 1 OR 2.

NOTE APPLICABLE TO ALL BASE TO TOP POST CONNECTION DETAILS:

1. CONTRACTORS, SUBCONTRACTORS OR SUPPLIERS WHO WISH TO INCLUDE THEIR PRODUCTS INTO THE APPROVED LISTING OF COUPLINGS BETWEEN THE BASE AND TOP POST MUST SUBMIT THE FOLLOWING INFORMATION FOR CONSIDERATION BY THE AUTHORITY: COPY OF FHWA LETTER OF ACCEPTANCE THAT THE DEVICE COMPLIES WITH THE NCHRP REPORT 350 REQUIREMENTS, FULL DESCRIPTION AND DRAWINGS OF THE COUPLER INCLUDING DIMENSIONS OF ALL COMPONENTS AND COMPLETE MATERIAL DESCRIPTION OF THE BASE METAL, GALVANIZING, FASTENERS AND OTHER PERTINENT INFORMATION.

Yo, Hernan E. Lopez Baez, Ingeniero Licenciado 18,134, certifico que soy el profesional que confeccionó, diseñó y preparó estos planos y las especificaciones completas incluso, Certifico que estos planos y especificaciones cumplen con las disposiciones aplicables del Reglamento Conjunto, las disposiciones aplicables de los Reglamentos y Códigos de Construcción Vigentes de las Agencias, Juntas, Reglamentadoras o Corporaciones Públicas con Jurisdicción. Reconozco que cualquier error, falta o Omisión de los mismos que se haya producido por desconocimiento o por negligencia, ya sea por mí o de agentes o empleados, o por otras personas por mí consultadas, me hacen responsable de cualquier acción judicial y de la ley por lo DOPH.

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BUS STOP SIGNAGE PROJECT - PHASE 1
ROUTE 2
STEEL POST - STEEL FLANGED CHANNEL DETAILS AND FOUNDATIONS

FROM SAGRADO CORAZÓN TO BAYAMON
MUNICIPALITIES OF SAN JUAN, GUAYNABO AND BAYAMON

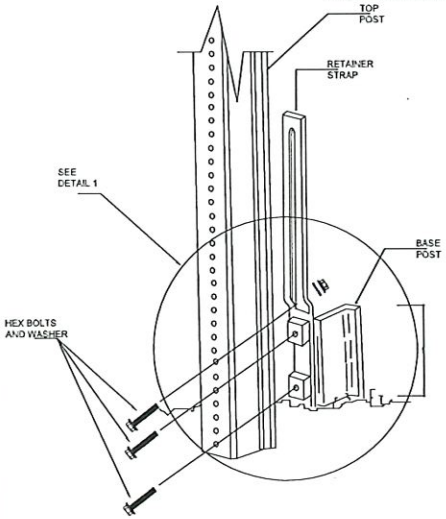
AUTORIDAD METROPOLITANA DE AUTOBUSES

METROPOLITAN BUS AUTHORITY
BOX 195349
SAN JUAN, PR 00919-5349

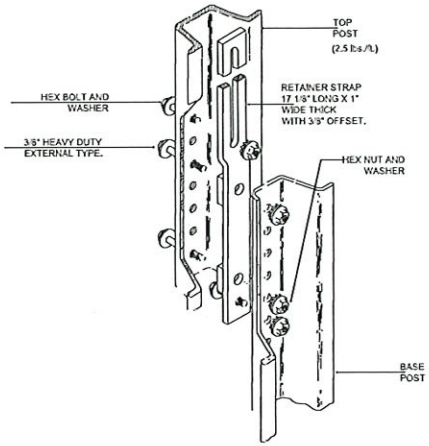
REVISION	
DATE: JUNE 2022	
CHECKED BY: BEV	DRAW BY: ABZ
DWG. TYPE: TS-3.03	SHEET NO. 79 OF 92

EZE-ERECT SYSTEM

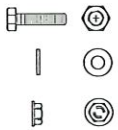
AS MANUFACTURED BY FRANKLIN INDUSTRIES



EZE-ERECT CONNECTION DETAIL

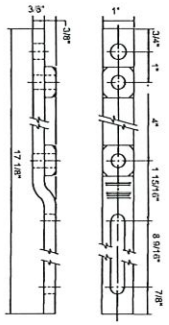


DETAIL 1



CLASS 12.9 HEX BOLT, WASHER AND NUT

AS SPECIFIED BY FRANKLIN INDUSTRIES



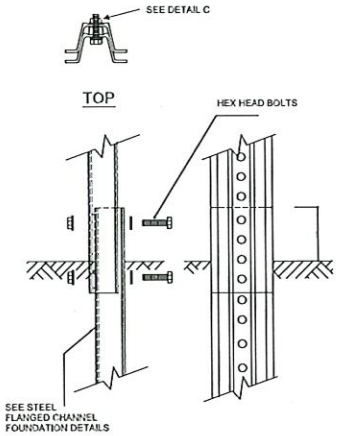
RETAINER-SPACER STRAP

GENERAL NOTES FOR EZE-ERECT SIGN SUPPORT SYSTEM

1. THE RETAINER STRAP SHALL BE GALVANIZED BY THE HOT DIP PROCESS CONFORMING TO ASTM A123.
2. HEX BOLT SHALL BE MANUFACTURED ACCORDING TO THE GEOMETRIC SPECIFICATIONS INCLUDED IN ANSI B18.2.3.5M THREADS SHALL CONFORM TO ANSI B1.13M FOR CLASS 6g THREADS.
3. MATERIALS FOR BOLTS SHALL CONFORM TO ASTM F568 FOR CLASS 12.9 (1220 MPA TENSILE STRENGTH AND 1100 MPA YIELD STRENGTH). BOLT HEAD SHALL BE MARKED AS SPECIFIED IN ASTM F568 SECTION 9 WITH THE MANUFACTURER'S IDENTIFICATION SYMBOL AND THE SYMBOL "12.9".
4. NUTS SHALL BE MANUFACTURED ACCORDING TO THE DIMENSIONS AND TOLERANCES IN ANSI B18.2.4.4M FOR METRIC HEX FLANGE NUTS. THE M8x1.25 THREADS SHALL CONFORM TO ANSI B1.13M FOR CLASS 6H.
5. NUTS SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M291M FOR CLASS 12 NUTS. PLAIN ROUND STEEL WASHERS SHALL BE MANUFACTURED ACCORDING TO THE DIMENSIONAL AND TOLERANCES IN ANSI B18.22M FOR REGULAR SERIES WASHERS.
6. BOLTS, NUTS AND WASHER SHALL BE ZINC COATED ACCORDING TO AASHTO M232.
7. THE CONTRACTOR SHALL FOLLOW THE MANUFACTURER INSTALLATION INSTRUCTIONS.

LAP SPLICE BREAKAWAY SYSTEM

AS MANUFACTURED BY MARION STEEL COMPANY

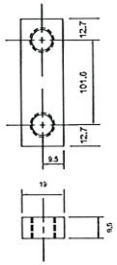


DETAIL A

SPLICE CONNECTION

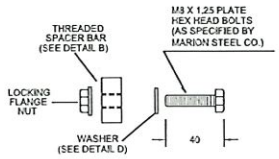
DETAIL D

PLAIN ROUND STEEL WASHER



DETAIL B

LAP SPLICE SPACER BAR (PROPRIETARY)



DETAIL C

CONNECTORS (PROPRIETARY)

GENERAL NOTES FOR LAP SPLICE BREAKAWAY SYSTEM

1. THE SPACER BAR SHALL BE FABRICATED FROM HOT ROLLED CARBON STEEL BARS CONFORMING TO AASHTO M183M.
2. SPACER BAR SHALL BE DRILLED AND TAPPED WITH M 8 X 1.25 THREADS AS SPECIFIED IN ANSI B1.13M FOR CLASS G THREADS.
3. SPACER BAR SHALL BE SILVER COLORED AS PER MARION STEEL.
4. SPLICE HARDWARE SHALL BE ZINC PLATED IN ACCORDANCE WITH THE REQUIREMENTS OF ASTM B633.
5. HEX BOLT SHALL BE IDENTIFIED BY HEAD MARKINGS OF "M180" AS WELL AS A RED FINISH.
6. PLAIN ROUND STEEL WASHERS SHALL BE MANUFACTURED ACCORDING TO THE DIMENSIONS AND TOLERANCES IN ANSI B18.22M FOR REGULAR SERIES WASHER.
7. PLAIN ROUND STEEL WASHER SHALL BE ZINC-COATED ACCORDING TO AASHTO M232 FOR CLASS D.

Yo, Hernan E. Lopez Baez Ingeniero Licencia # 24, certifico que soy el profesional que confeccionó diseñó y/o preparó estos planos y las especificaciones complementarias. Certifico que el diseño que aparece en estos planos y especificaciones cumplen con las disposiciones aplicables del Reglamento Conjunto y las disposiciones aplicables de los Reglamentos y Códigos de Construcción Vigentes de las Agencias, Juntas Reglamentarias o Corporaciones Públicas con jurisdicción. Reconozco que cualquier deficiencia o violación de las normas que se hayan producido por desconocimiento o por negligencia de mi parte o de mis agentes o empleados, o por otras personas con el consentimiento, me hacen responsable de cualquier acción judicial y daños que se produzcan por los mismos.

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HERNAN E. LOPEZ BAEZ INGENIERO LICENCIADO LIC. 18134 PUERTO RICO

HERNAN E. LOPEZ BAEZ, PE MEM
LIC. 18134PE

BUS STOP SIGNAGE PROJECT - PHASE 1
ROUTE 2
STEEL POST - STEEL FLANGED CHANNEL DETAILS AND FOUNDATIONS

FROM SAGRADO CORAZÓN TO BAYAMON
MUNICIPALITIES OF SAN JUAN, GUAYNABO AND BAYAMON

AUTORIDAD METROPOLITANA DE AUTOBUSES

METROPOLITAN BUS AUTHORITY
BOX 195349
SAN JUAN, PR 00919-5349

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DATE: JUNE 2022	
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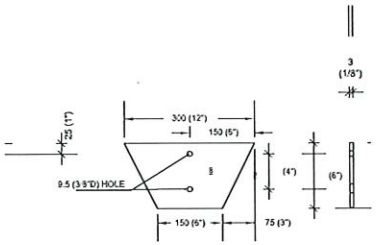
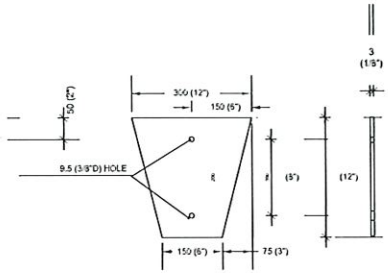
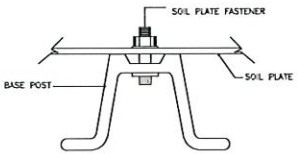
DWG. TYPE: TS-3.04	SHEET NO. 80 OF 92



SOIL PLATE

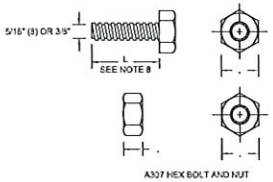


ALTERNATE SOIL PLATE



FLANGED CHANNEL POST

METHOD OF ATTACHING SOIL PLATE TO POST



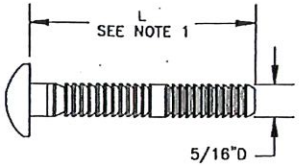
SOIL PLATE FASTENER

GENERAL NOTES:

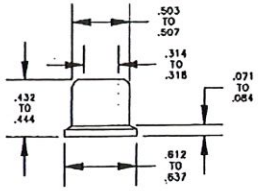
1. SOIL PLATE SHALL BE MANUFACTURED ACCORDING TO AASHTO M183.
2. AFTER ALL PUNCHING, DRILLING, STAMPING AND WELDING IS COMPLETE, THE SOIL PLATE SHALL BE ZINC-COATED BY THE HOT-DIP PROCESS ACCORDING TO AASHTO M111 (ASTM A 123). THICKNESS GRADE 65.
3. THE CONTRACTOR SHALL ADJUST THE LENGTH OF BOLT. THE BOLT SHALL PENETRATE THE ENTIRE THICKNESS OF THE NUT.
4. THE CONTRACTOR SHALL USE TWO (2) SOIL PLATE FASTENERS FOR ATTACHING SOIL PLATE TO BASE POST.

Yo, Hernan E. López Baez, Ingeniero Licenciado (P.E.), certifico que soy el profesional que conceptualizó, diseñó y preparó estos planos y las especificaciones completas y finales, certifico que he tomado en cuenta que dichos planos y especificaciones cumplen con las disposiciones aplicables del Reglamento Conjunto y las disposiciones aplicables de los Reglamentos y Códigos de Construcción Vigentes de las Agencias Juntas Reglamentadoras o Corporaciones Públicas con Jurisdicción. Reconozco que cualquier acción o falta de fiscalización de la misma que se haya producido por desconocimiento o por negligencia, ya sea por mí o por otras personas con mi consentimiento, me hacen responsable de cualquier acción judicial y daños a mi por 30 años.

ENZO Engineering, psc. PO Box 3040, PMB 427 Guaynabo, PR 00778 TEL. (787) 649-6200 | LOPEZBAEZ@ENZOGROUPLLC.ORG	HERNAN E. LOPEZ BAEZ INGENIERO LICENCIADO LIC. 18134 PUERTO RICO — HERNAN E. LOPEZ BAEZ, PE MEM LIC. 18134PE	BUS STOP SIGNAGE PROJECT - PHASE 1 ROUTE 2 STEEL POST - STEEL FLANGED CHANNEL SOIL PLATE DETAILS FROM SAGRADO CORAZÓN TO BAYAMON MUNICIPALITIES OF SAN JUAN, GUAYNABO AND BAYAMON	AUTORIDAD METROPOLITANA DE AUTOBUSES METROPOLITAN BUS AUTHORITY BOX 195349 SAN JUAN, PR 00919-5349	REVISION DATE: JUNE 2022 CHECKED BY: BEV DRAW BY: ABZ DWG. TYPE: TS-3.05 SHEET NO. 81 OF 92



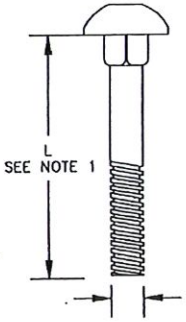
MAGNA GRIP FASTENER
AS MANUFACTURED BY HUCK
PART NUMBER IDENTIFICATION: MGPB-E 5/16" - 22 G



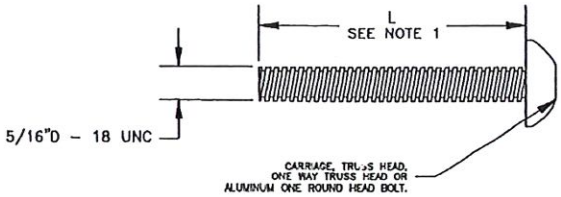
MAGNA GRIP COLLAR
AS MANUFACTURED BY HUCK
PART NUMBER IDENTIFICATION: MGC-F 5/16" G

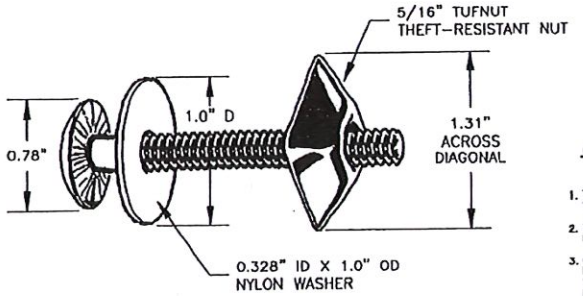
ACCEPTABLE FEATURES; SUBSTANTIALLY FLUSH WITH END
FOR MAGNA GRIP FASTENER

UNACCEPTABLE FEATURES
FOR MAGNA GRIP FASTENER



5/16" TAMPER-NUT





TUFBOLT SYSTEM - TBS 25
AS MANUFACTURED BY THE TUFNUT WORKS
A DIVISION OF SANTA FE SYSTEMS, INC.

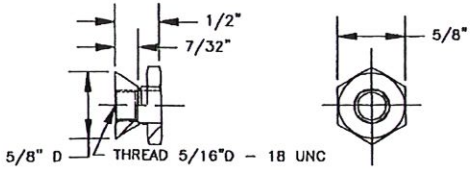
ALUMINUM VANDAL RESISTANT
GENERAL NOTES

1. THE CONTRACTOR SHALL ADJUST THE LENGTH OF BOLT ACCORDING TO THE POST TYPE. THE BOLT SHALL PENETRATE THE ENTIRE THICKNESS OF THE NUT.
2. THE CONTRACTOR SHALL USE A NYLON, NEOPRENE OR FIBER WASHER BETWEEN REFLECTIVE SHEATHING SIGN FACE AND THE BOLT HEAD.
3. CONTRACTORS, SUBCONTRACTORS OR SUPPLIERS WHO WISH TO INCLUDE THEIR PRODUCTS INTO THE APPROVED LISTING OF FASTENERS FOR SIGN PLATES MUST SUBMIT THE FOLLOWING INFORMATION FOR CONSIDERATION BY THE AUTHORITY: FULL DESCRIPTION AND DRAWINGS OF THE FASTENERS AND COMPLETE MATERIAL DESCRIPTION, GALVANIZING AND OTHER PERTINENT INFORMATION.
4. FASTENER DETAILS ARE FOR ILLUSTRATIVE PURPOSE ONLY.

CARRIAGE BOLT

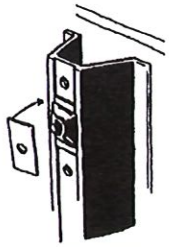
TRUSS HEAD BOLT

ONE WAY TRUSS HEAD BOLT
OR ALUMINUM ONE WAY ROUND HEAD



ALUMINUM STD THREAD VANDLGARD-NUT
VCN 138-5

AS MANUFACTURED BY SIMI FASTENING



TUFNUT MARION
POST WASHERS

Yo, Hernan E. Lopez Baez, Ingeniero licenciado 18134, certifico que soy el profesional que contribuyó, diseñó y/o preparó estos planos y las especificaciones complementarias. También certifico que en la medida que dichos planos y especificaciones cumplen con las disposiciones aplicables del Reglamento Conjunto y las disposiciones aplicables de los Reglamentos y Códigos de Construcción Vigentes de las Agencias, Juntas Reglamentadoras o Corporaciones Públicas con Jurisdicción. Reconozco que cualquier deficiencia, falta o omisión de las normas que se haya producido por desconocimiento o por negligencia ya sea por mí, mis agentes o empleados, o por otras personas con mi consentimiento, me hacen responsable de cualquier acción judicial y disciplinaria por lo DOPR.

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BUS STOP SIGNAGE PROJECT - PHASE 1
ROUTE 2
STEEL POST - STEEL FLANGED-CHANNEL
FOR ATTACHING SIGN PLATES TO TOP POST

FROM SAGRADO CORAZÓN TO BAYAMON
MUNICIPALITIES OF SAN JUAN, GUAYNABO AND BAYAMON

AUTORIDAD METROPOLITANA DE AUTOBUSES
METROPOLITAN BUS AUTHORITY
BOX 195349
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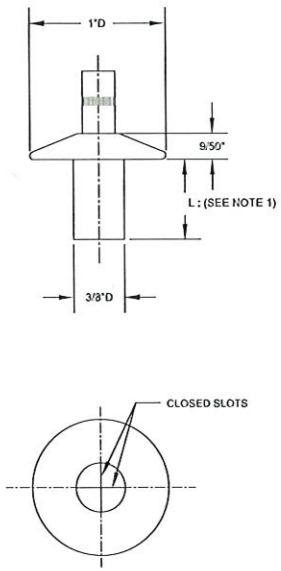
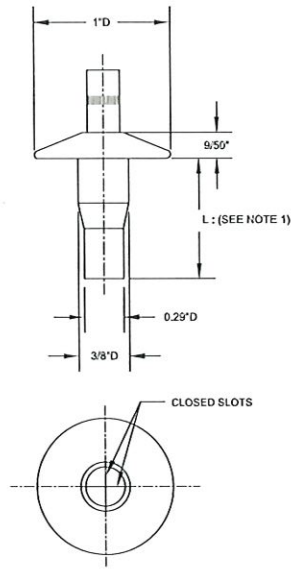
DWG. TYPE: TS-3.06	SHEET NO. 82 OF 92



ALUMINUM SIGN RIVET - JUMBO HEAD

VCR 221
AS MANUCFACTURED BY SMI FASTENING



MODIFIED ALUMINUM DRIVE RIVET

(RIVET = 2117 ALUMINUM NATURAL, P/N = 7075 ALUMINUM NATURAL)
AS MANUCFACTURED BY SOUTHCO

GENERAL NOTES

1. THE CONTRACTOR SHALL ADJUST THE LENGTH OF BOLT ACCORDING TO THE POST TYPE. THE BOLT SHALL PENETRATE THE ENTIRE THICKNESS OF THE NUT.
2. THE CONTRACTOR SHALL USE A NYLON, NEOPRENE OR FIBER WASHER BETWEEN REFLECTIVE SHEATHING SIGN FACE AND THE BOLT HEAD.
3. CONTRACTORS, SUBCONTRACTORS OR SUPPLIERS WHO WISH TO INCLUDE THEIR PRODUCTS INTO THE APPROVED LISTING OF FASTENERS FOR SIGN PLATES MUST SUBMIT THE FOLLOWING INFORMATION FOR CONSIDERATION BY THE AUTHORITY: FULL DESCRIPTION AND DRAWINGS OF THE FASTENERS AND COMPLETE MATERIAL DESCRIPTION, GALVANIZING AND OTHER PERTINENT INFORMATION.
4. FASTENER DETAILS ARE FOR ILLUSTRATIVE PURPOSE ONLY.

Yo, Hernan E. López Báez, Ingeniero Licenciado (PE) certifico que soy el profesional que confeccionó diseñó y/o preparó estos planos y las especificaciones completas y exactas. También certifico que entiendo que dichos planos y especificaciones cumplen con las disposiciones aplicables del Reglamento Conjunto y las disposiciones aplicables de los Reglamentos y Códigos de Construcción Vigentes de las Agencias, Juntas Reglamentadoras o Corporaciones Públicas con Jurisdicción. Reconozco que cualquier deficiencia o falta o infracción de las leyes que se hayan producido por desconocimiento o por negligencia es mía por mi sólo agencia o empleados o por otras personas con mi consentimiento, me hacen responsable de cualquier acción judicial y deslindo de la OCPR.

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BUS STOP SIGNAGE PROJECT - PHASE 1
ROUTE 2
STEEL POST - STEEL FLANGED CHANNEL
SOIL PLATE FASTENERS DETAILS

FROM SAGRADO CORAZÓN TO BAYAMON
MUNICIPALITIES OF SAN JUAN, GUAYNABO AND BAYAMON

AUTORIDAD METROPOLITANA DE AUTOBUSES

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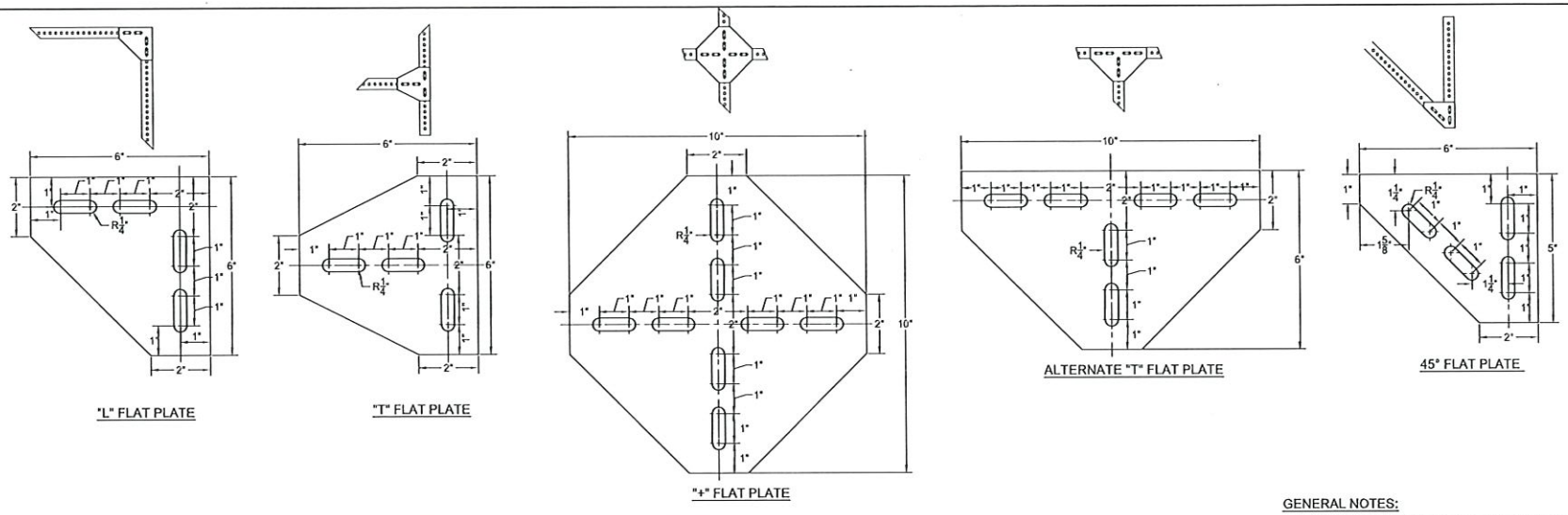
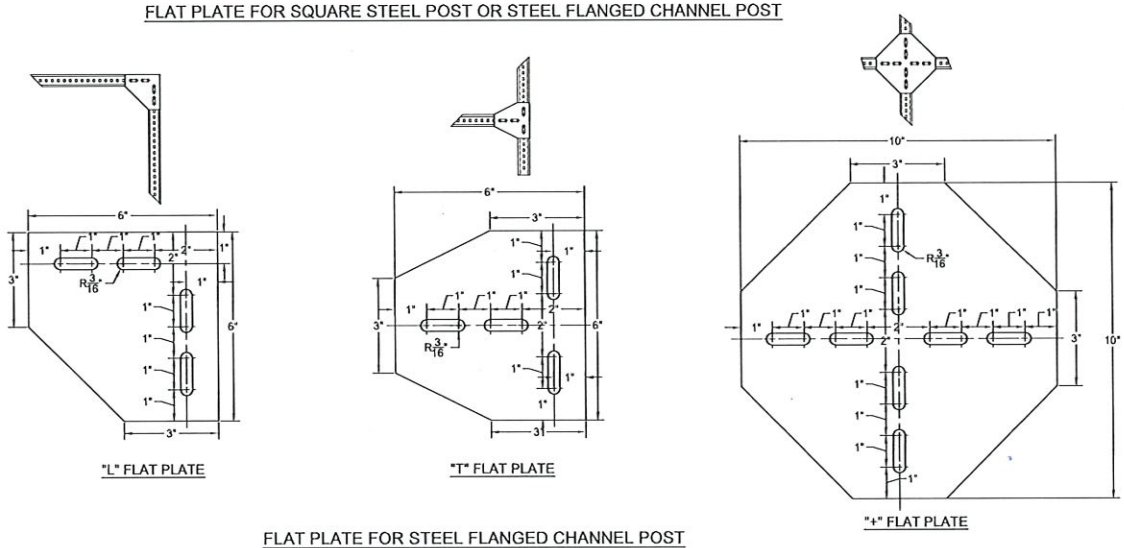


FLAT PLATE FOR SQUARE STEEL POST OR STEEL FLANGED CHANNEL POST



FLAT PLATE FOR STEEL FLANGED CHANNEL POST

GENERAL NOTES:

1. THE STEEL FLAT PLATE SHALL CONFORM WITH THE REQUIREMENTS OF ASTM A570 GRADE 33 OR ASTM A36.
2. THE CONTRACTOR MAY USE ALUMINUM FLAT PLATE AS AN ALTERNATE. ALTERNATE FLAT PLATE SHALL CONFORM TO ASTM B-209, ALLOY 5052 H-32. THE CONTRACTOR SHALL DRILL NECESSARY HOLES TO COMPLETE INSTALLATION AS A SUBSIDIARY OBLIGATION.
3. AFTER ALL PUNCHING, DRILLING, STAMPING AND WELDING IS COMPLETE, THE STEEL FLAT PLATE SHALL BE ZINC-COATED BY THE HOT-DIP PROCESS ACCORDING TO AASHTO M111 (ASTM A123).
4. ALUMINUM OR STEEL FLAT PLATE THICKNESS SHALL BE 1/8".
5. THE CONTRACTOR SHALL USE FLAT PLATES FOR POST AND STIFFENER CONNECTIONS AS A SUBSIDIARY OBLIGATION.
6. THE CONTRACTOR SHALL PLACE AT LEAST TWO 5/16" ALUMINUM FLAT HEAD MACHINE SCREWS WITH NUTS AND LOCK WASHER PER EACH POST.

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LIC. NI 5478

BUS STOP SIGNAGE PROJECT - PHASE 1
ROUTE 2
STEEL POST - STEEL FLANGED CHANNEL
"L","T","+" AND"45" FLAT PLATES

FROM SAGRADO CORAZÓN TO BAYAMON
MUNICIPALITIES OF SAN JUAN, GUAYNABO AND BAYAMON

AUTORIDAD METROPOLITANA DE AUTOBUSES

METROPOLITAN BUS AUTHORITY
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DWG. TYPE: TS-3.03	SHEET NO. 84 OF 92

GENERAL NOTES APPLICABLE TO ALL SMALL TRAFFIC SIGNS STANDARD DRAWINGS

1. NO SPLICES IN SIGN PLATES SHALL BE PERMITTED WHEN SIGN DIMENSIONS ARE 1200 (4') X 1200 (4') MILLIMETERS OR LESS.

2. NO SPLICES IN THE REFLECTIVE SHEETING WILL BE PERMITTED WHEN THE SIGN HEIGHT IS 1200 MILLIMETERS (4') OR LESS. NO REFLECTIVE SHEETING SPLICES WILL BE PERMITTED IN DIAMOND SIGNS WITH DIMENSIONS OF 1200 MILLIMETERS (4') OR LESS. ON SIGNS WITH HEIGHTS IN EXCESS OF 1200 MILLIMETERS (4'), A SINGLE HORIZONTAL SPLICE WILL BE PERMITTED. THE SPLICE UPPER PANEL SHALL OVERLAP 3/8" MAX. THE LOWER PANEL.

3. SIGN PLATES SHALL CONFORM TO ASTM B-209, ALLOYS 5052 H-32, 5052 H-36, 5052 H-38, 5086 H-34, 5154 H-36 OR 6061 T-6.

4. ALL TOP POSTS AND BASE POSTS SHALL BE CONTINUOS IN LENGTH.

5. THE SIGN BACKGROUND, LEGEND AND BORDER SHALL BE APPLIED BY THE SILK SCREEN PROCESS, BY DIRECT APPLICATION OF CUT OUT CHARACTERS, OR BY THE APPLICATION OF ELECTRONIC CUTTABLE FILM, SERIES 1170, AS MANUFACTURED BY 3M OR ELECTRONIC CUTTABLE TRANSPARENT OVERLAY FILM, SERIES 4800, AS MANUFACTURED BY STIMSONITE. REGARDLESS OF THE METHOD OF FABRICATION, THE BACKGROUND, LEGEND AND BORDER SHALL MEET THE REFLECTIVITY STANDARDS OF ASTM D4956, TYPE III.

6. SIGN PLATES THICKNESS SHALL BE AS FOLLOWS:

MINIMUM PLATE THICKNESS IN (MM)	PLATE AREA SQF (SQM)
1/16" (1.5)	UP TO 10.8 (UP TO 1.00)
1/8" (3.175)	10.85 TO 53.8 (1.01 TO 5.00)

7. THE CONTRACTOR SHALL DRILL ALL ADDITIONAL HOLES, AS A SUBSIDIARY OBLIGATION, AS NECESSARY TO ACCOMMODATE MOUNTING REQUIREMENTS. THE HOLE DIAMETER SHALL NOT EXCEED 1/16" THE BOLT DIAMETER.

8. THE CONTRACTOR SHALL USE ON ALL BOLTS WHICH CONTACT THE REFLECTIVE SHEETING, A NYLON, NEOPRENE OR FIBER WASHER BETWEEN THE REFLECTIVE SHEETING SIGN FACE AND THE BOLT HEAD.

9. ALL BOLTS IDENTIFIED AS A307 SHALL CONFORM WITH ASTM A307 REQUIREMENTS AND BE PROVIDED WITH CORRESPONDING NUT AND WASHER. BOLTS A307 SHALL BE EITHER GRADE A OR B AND SHALL BE HOT-DIP GALVANIZED. UNLESS OTHERWISE SPECIFIED, BOLT HEAD MAY BE EITHER HEX OR CARRIAGE.

10. REFLECTIVE SHEETING FROM DIFFERENT MANUFACTURERS SHALL NOT BE MIXED WITHIN THE SAME SIGN PANEL. SIGN PANELS FABRICATED WITH REFLECTIVE SHEETING FROM DIFFERENT MANUFACTURERS SHALL NOT BE MIXED WITHIN THE SAME SIGN SUPPORT.

Yo, Hernan E. López Baez, Ingeniero Licenciado #18,141, certifico que soy el profesional que conceptualizó, diseñó y preparó estos planos y las especificaciones complementarias. También certifico que en la forma que dichos planos y especificaciones cumplen con las disposiciones aplicables del Reglamento Conjunto y las disposiciones aplicables de los Reglamentos y Códigos de Construcción Vigentes en las Agencias, Juntas Reglamentadoras o Corporaciones Públicas con Jurisdicción. Reconozco que cualquier deficiencia o falta o infracción de los mismos que se haya pretendido por desconocimiento o por negligencia, pues por mi rito agencia o empleados o por otras personas con relación directa, me hacen responsable de cualquier acción judicial y daños a ella por la OCPR.

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LIC. 18141E

BUS STOP SIGNAGE PROJECT - PHASE 1
ROUTE 2
STEEL POST - STEEL FLANGED CHANNEL
GENERAL NOTES

FROM SAGRADO CORAZÓN TO BAYAMON
MUNICIPALITIES OF SAN JUAN, GUAYNABO AND BAYAMON

AUTORIDAD METROPOLITANA DE AUTOBUSES

METROPOLITAN BUS AUTHORITY
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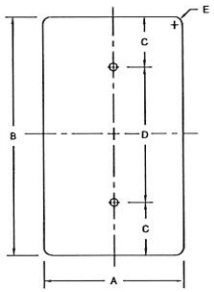
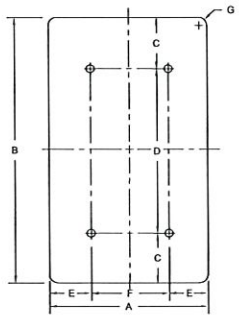


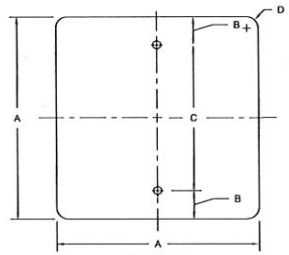
VERTICAL RECTANGLE

A	B	C	D	E
300	450	35	380	35
450	600	75	450	35
600	750	75	600	35
750	900	75	750	45



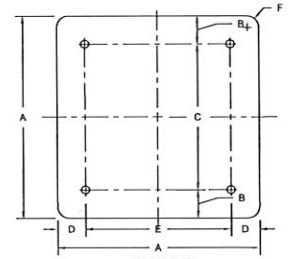
VERTICAL RECTANGLE

A	B	C	D	E	F	G
900	1200	150	900	150	600	55
1200	1500	150	1200	225	750	75



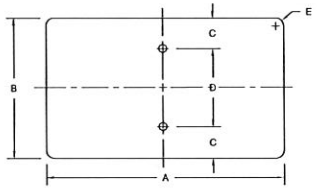
SQUARE

A	B	C	D
450	75	300	35
600	75	450	35
750	75	600	45



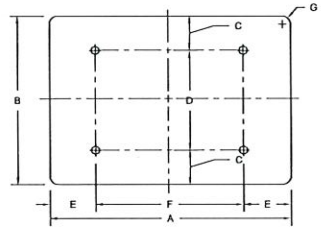
SQUARE

A	B	C	D	E	F
900	150	600	150	600	55
1200	150	900	225	750	75



HORIZONTAL RECTANGLE

A	B	C	D	E
525	375	35	305	35
600	300	70	230	35
600	450	75	300	35
750	375	70	305	35
750	600	75	450	35
900	300	70	230	35



HORIZONTAL RECTANGLE

A	B	C	D	E	F	G
900	600	75	450	150	600	35
1200	600	75	450	225	750	45
1200	900	150	600	225	750	55
1500	600	75	450	300	900	35
1500	900	300	600	600	900	55

Yo, Hernan E. López Baez, Ingeniero Licenciado 18154, certifico que soy el profesional que contribuyó al diseño y preparó estos planos y las especificaciones complementarias. También certifico que se cumplió que dichos planos y especificaciones cumplen con los Reglamentos aplicables del Reglamento Conjunto y los disposiciones aplicables de los Reglamentos y Códigos de Construcción Vigentes de las Agencias, Juntas, Reglamentaciones o Corporaciones Públicas con Jurisdicción. Reconozco que cualquier desviación falsa o información de los datos que se haya producido por Sustituciones o por negligencia ya sea por mí, mis agentes o empleados, o por otras personas con mi consentimiento, me hacen responsable de cualquier acción judicial y disciplinaria por la OGPe.

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LIC. 18 SAPE

BUS STOP SIGNAGE PROJECT - PHASE 1
ROUTE 2
STEEL POST - STEEL FLANGED CHANNEL
BLANK PLATE STANDARDS

FROM SAGRADO CORAZÓN TO BAYAMON

MUNICIPALITIES OF SAN JUAN, GUAYNABO AND BAYAMON

AUTORIDAD METROPOLITANA DE AUTOBUSES

METROPOLITAN BUS AUTHORITY
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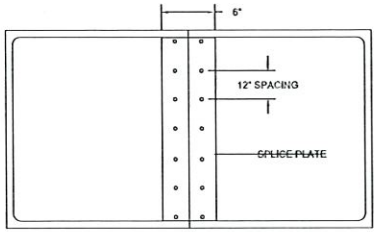
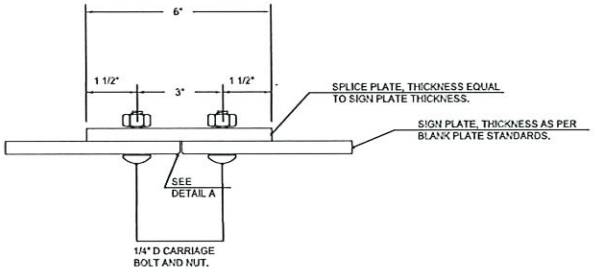
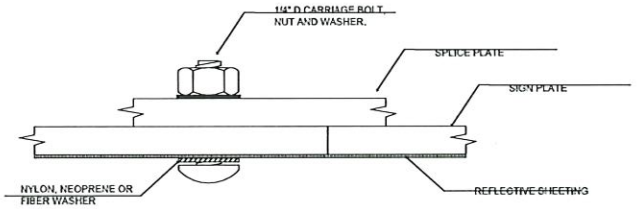




GENERAL NOTES:

1. NO SPLICES IN SIGN PLATES SHALL BE PERMITTED WHEN SIGN DIMENSIONS ARE 1200 (4') X 1200 (4') OR LESS.

2. THE CONTRACTOR SHALL ADJUST THE LENGTH OF CARRIAGE BOLT. THE BOLT SHALL PENETRATE THE ENTIRE THICKNESS OF THE NUT.



DETAIL A

SIGN PLATE SPLICES

Yo, Hernan E. Lopez Baez, Ingeniero Licenciado (# 14) certifico que soy el profesional que confeccionó, diseñó y preparó estos planos y las especificaciones complementarias. Certifico, certifico que el diseño que aparece en estos planos y especificaciones cumplen con las disposiciones aplicables del Reglamento Conjunto, las disposiciones aplicables de los Reglamentos y Códigos de Construcción Vigentes de las Agencias, Juntas Reglamentadoras o Corporaciones Públicas con jurisdicción. Reconozco que cualquier deficiencia en la Salud y Seguridad de los trabajadores que se haya producido por desconocimiento o por negligencia de mi parte, no me exime a mi persona o por otras personas con mi consentimiento, de cualquier acción judicial y disciplinaria por la OGPe.

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BUS STOP SIGNAGE PROJECT - PHASE 1
ROUTE 2
STEEL POST - STEEL FLANGED CHANNEL
SIGN PANEL SPLICES

FROM SAGRADO CORAZÓN TO BAYAMON
MUNICIPALITIES OF SAN JUAN, GUAYNABO AND BAYAMON

AUTORIDAD METROPOLITANA DE AUTOBUSES

METROPOLITAN BUS AUTHORITY
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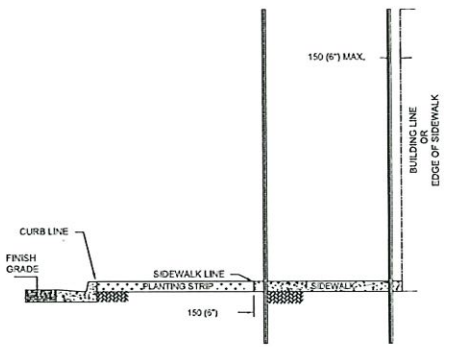
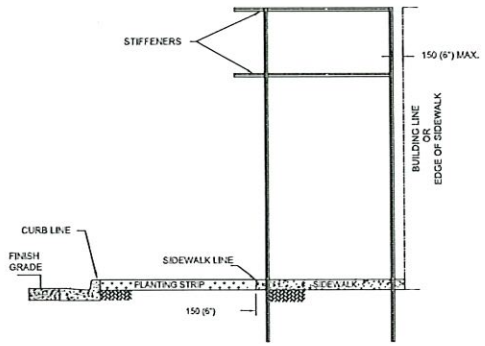
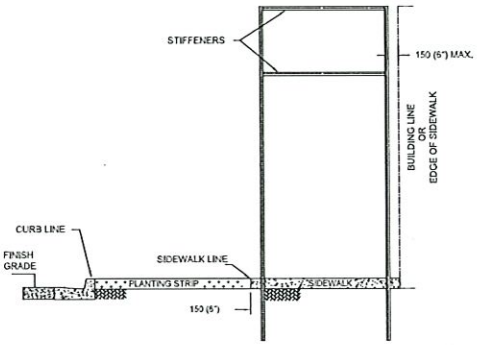
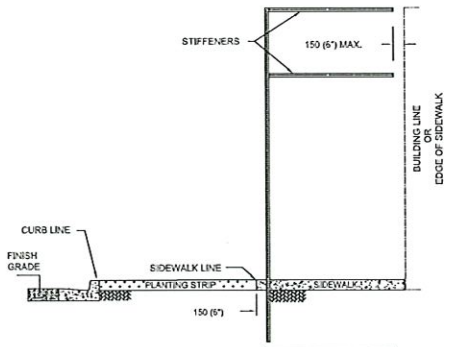






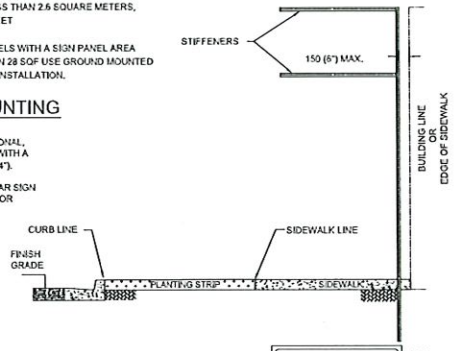
H SUPPORT MOUNTING

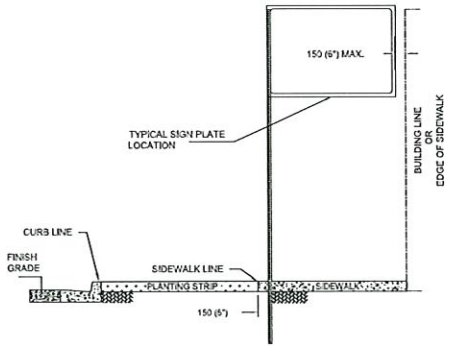
1. FOR SIGN PANELS WITH A SIGN PANEL AREA EQUAL OR LESS THAN 2.6 SQUARE METERS, 28 SQUARE FEET
2. FOR SIGN PANELS WITH A SIGN PANEL AREA GREATER THAN 28 SQF USE GROUND MOUNTED BREAK-AWAY INSTALLATION.



CANTILEVER SUPPORT MOUNTING

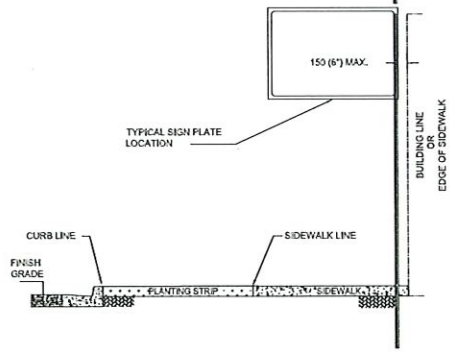
1. FOR SQUARE, RECTANGULAR, PENTAGONAL, OCTAGONAL, DIAMOND AND EQUILATERAL TRIANGLE SIGN PANEL WITH A MAXIMUM HORIZONTAL WIDTH GREATER THAN 600 (24").
2. FOR OCTAGONAL, DIAMOND, TOURISTIC AND CIRCULAR SIGN PANEL WITH A MAXIMUM HORIZONTAL WIDTH EQUAL OR LESS THAN 600 (24").





SINGLE SUPPORT MOUNTING

1. FOR SQUARE AND RECTANGULAR SIGN PANEL WITH A MAXIMUM HORIZONTAL WIDTH EQUAL OR LESS THAN 600 (24").
2. FOR ISOSCELES TRIANGLE SIGN PANEL USE SINGLE SUPPORT MOUNTING.



GENERAL NOTES:

1. VERTICAL CLEARANCE TO BOTTOM OF LOWEST SIGN PANEL SHALL BE 2,130 (7'-0") TO 2,300 (7'-6") FROM SIDEWALK GRADE.
2. THE CONTRACTOR MAY USE STEEL FLANGED CHANNEL POST OR SQUARE STEEL POST.
3. THE FOUNDATIONS SHALL BE AS INDICATED FOR STEEL FLANGED CHANNEL AND SQUARE STEEL POST FOUNDATION DETAILS STANDARD DRAWING. TOP POST TO BASE POST CONNECTION SHALL BE AS INDICATED FOR STEEL FLANGED CHANNEL AND SQUARE STEEL POST CONNECTION DETAILS STANDARD DRAWING.
4. THE CONTRACTOR SHALL USE FLAT PLATES FOR POST TO STIFFENERS CONNECTION.
5. ALL TOP POSTS AND BASE POSTS SHALL BE CONTINUOS IN LENGTH.
6. THE MAXIMUM AREA PERMITTED FOR SINGLE AND CANTILEVER SUPPORT MOUNTING SHALL BE 6 SQUARE FEET.
7. STIFFENERS SHALL BE SQUARE POST, STEEL FLANGED CHANNEL OR ALTERNATE STIFFENER.
8. MINIMUM OFFSET FROM CURB LINE TO SIGN PANEL SHALL BE 600 (24") MIN.
9. THE CONTRACTOR SHALL LOCATE POST AND STIFFENERS AS PER TYPICAL POST LOCATION FOR MOUNTING ON SIDEWALK AREAS WITH OR WITHOUT PLANTING STRIP STANDARD DRAWINGS.

Yo, Hernan E. Lopez Baez, Ingeniero, licencia # 18134, certifico que soy el profesional que contribuyó diseñó y preparó estos planos y las especificaciones complementarias. También certifico que el diseño, planos y especificaciones cumplen con las disposiciones aplicables del Reglamento Conjunto y las disposiciones aplicables de los Reglamentos y Códigos de Construcción Vigentes de las Agencias, Juntas, Reglamentaciones o Corporaciones Públicas con Jurisdicción. Reconozco que cualquier deficiencia, falta o omisión de las normas que se hayan producido por desconocimiento o por negligencia, ya sea por mí o de alguna o empleados o por otras personas con mi consentimiento, me hacen responsable de cualquier acción judicial y doctrina por 5 años.

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BUS STOP SIGNAGE PROJECT - PHASE 1
ROUTE 2
STEEL POST - STEEL FLANGED CHANNEL
MOUNTING ON SIDEWALK AND PLANTING AREAS

FROM SAGRADO CORAZÓN TO BAYAMON

MUNICIPALITIES OF SAN JUAN, GUAYNABO AND BAYAMON

AUTORIDAD METROPOLITANA DE AUTOBUSES

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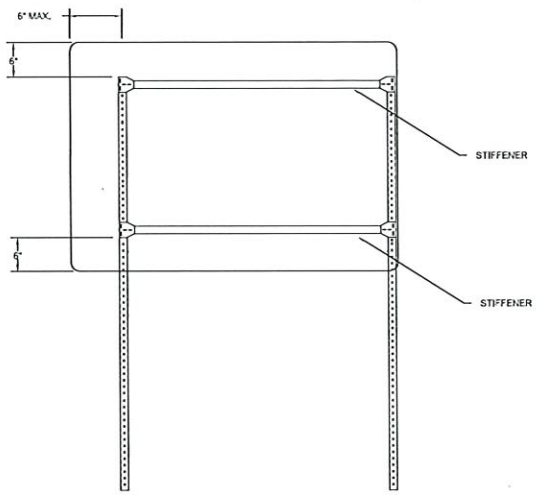
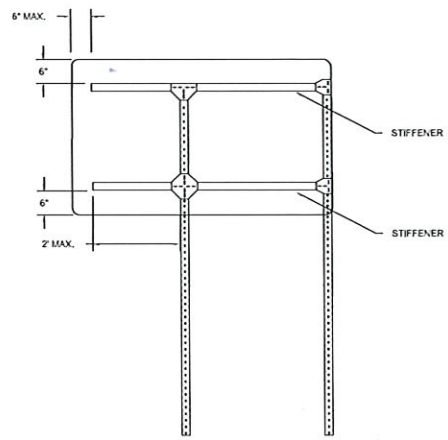
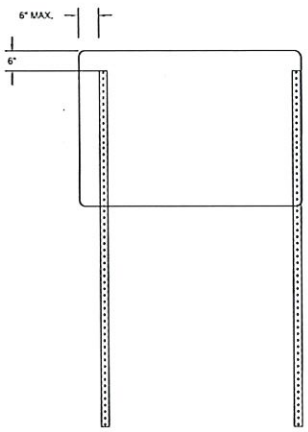
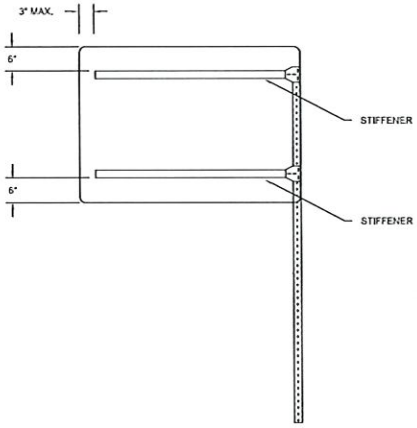






TYPICAL POST LOCATION FOR H SUPPORT MOUNTING



TYPICAL POST LOCATION FOR CANTILEVER SUPPORT MOUNTING

GENERAL NOTES:

1. TO DETERMINE THE APPLICATION FOR CANTILEVER OR SUPPORT MOUNTING SEE MOUNTING ON SIDEWALK AREAS WITH OR WITHOUT PLANTING STRIP STANDARD DRAWINGS.

Yo, Hernan E. Lopez Baez, Ingeniero licencia 18134, certifico que soy el profesional que confeccionó, diseñó y preparó estos planos y las especificaciones complementarias. También certifico que el diseño plasmado en estos planos y especificaciones cumplen con las disposiciones aplicables del Reglamento Conjunto y las disposiciones aplicables de los Reglamentos y Códigos de Construcción Vigentes de las Agencias, Juntas Reglamentadoras o Corporaciones Públicas con Jurisdicción. Reconozco que cualquier modificación Mejora o Modificación de los mismos que se haga posterior por desconocimiento o por negligencia ya sea por mi o de alguna de sus personas o por otras personas con mi consentimiento, me hacen responsable de cualquier acción judicial y daños a ellos por la OCPR.

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BUS STOP SIGNAGE PROJECT - PHASE 1
ROUTE 2

STEEL POST - TYPICAL POST LOCATION FOR MOUNTING ON SIDEWALK AREAS WITH OR WITHOUT PLANTING STRIP

FROM SAGRADO CORAZÓN TO BAYAMON

MUNICIPALITIES OF SAN JUAN, GUAYNABO AND BAYAMON

AUTORIDAD METROPOLITANA DE AUTOBUSES

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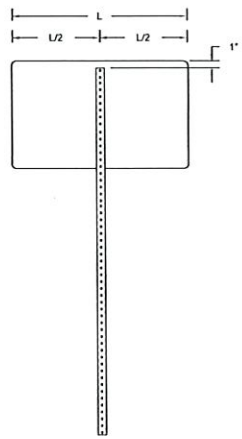
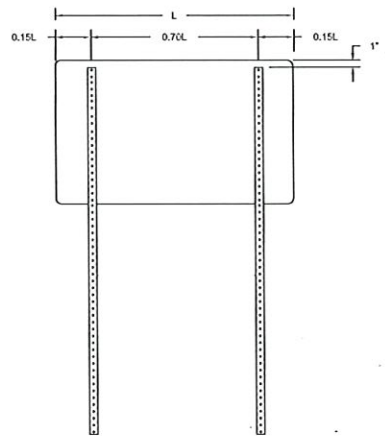


1 POST



2 POSTS

NOTE:

1. TO DETERMINE THE NUMBER OF POSTS, SEE NOTES ON STEEL FLANGED CHANNEL AND SQUARE STEEL POST..
2. STIFFENERS SHALL BE SQUARE POST, STEEL FLANGED CHANNEL OR ALTERNATE STIFFENER.
3. THE CONTRACTOR SHALL USE FLAT PLATES FOR POST TO STIFFENERS CONNECTION.
4. MAXIMUM DEVIATION FROM VERTICAL FOR ANY COMPONENT, IN ANY DIRECTION, SHALL BE 1/8 INCH PER FOOT.
5. MAXIMUM DEVIATION FROM HORIZONTAL FOR ANY COMPONENT, IN ANY DIRECTION, SHALL BE 1/8 INCH PER FOOT.

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LIC. 18 SAPE

BUS STOP SIGNAGE PROJECT - PHASE 1
ROUTE 2
STEEL POST - TYPICAL POST LOCATION
FOR MOUNTING STANDARDS

FROM SAGRADO CORAZÓN TO BAYAMON
MUNICIPALITIES OF SAN JUAN, GUAYNABO AND BAYAMON

AUTORIDAD METROPOLITANA DE AUTOBUSES

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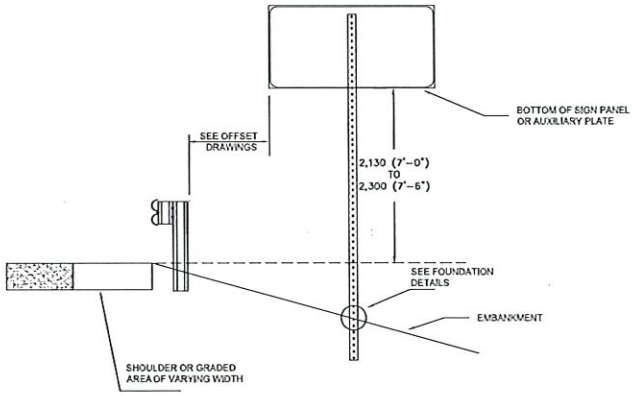
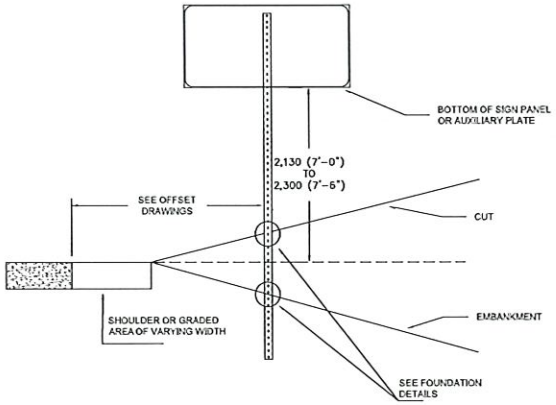
GENERAL NOTES:

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INCREASING OR DECREASING THE LENGTH OF POST TO ACHIEVE THE MOUNTING HEIGHT ABOVE FINISH GRADE OF THE NEAREST LANE.
2. THE CONTRACTOR MAY USE STEEL FLANGED CHANNEL POST OR SQUARE STEEL POST.
3. FOUNDATION SHALL BE AS STEEL FLANGED CHANNEL AND SQUARE STEEL POST FOUNDATION DETAILS STANDARD DRAWINGS.
4. THE CONTRACTOR SHALL USE FLAT PLATES FOR POST TO STIFFENER CONNECTION.
5. ALL TOP POSTS AND BASE POSTS SHALL BE CONTINUOS IN LENGTH.
6. THE CONTRACTOR SHALL BE RESPONSIBLE TO DETERMINE THE NUMBER OF POSTS BASED UPON THE SIGN PANEL AREA, IN CONFORMANCE WITH THE FOLLOWING TABULATION:

NUMBER OF POSTS	MAXIMUM SIGN AREA (SQUARE FEET)	MAXIMUM SIGN AREA (SQUARE METER)
1	4	0.37
2	16	1.50
3	25	2.32
4	36	3.35

7. THE CONTRACTOR SHALL LOCATE POSTS AS PER TYPICAL POST LOCATION STANDARD DRAWING.
8. VERTICAL CLEARANCE TO BOTTOM OF LOWEST SIGN PANEL SHALL BE 2,130 (7'-0") TO 2,300 (7'-6") FROM THE FINISH GRADE OF THE NEAREST LANE.





Yo, Hernan E. Lopez Baez, Ingeniero Licenciado (P.E.M.) certifico que soy el profesional que conceptualizó, diseñó y/o preparó estos planos y las especificaciones complementarias. Certifico que el diseño que aparece en estos planos y especificaciones cumplen con las disposiciones aplicables del Reglamento Conjunto, las disposiciones aplicables de los Reglamentos y Códigos de Construcción Vigentes de las Agencias, Juntas Reglamentadoras o Corporaciones Públicas con Jurisdicción. Reconozco que cualquier modificación o alteración de los mismos que se haga posterior por desconocimiento o por negligencia o una por mi ajena a mi intención o por otras personas con mi conocimiento, me hacen responsable de cualquier acción judicial y daños por la OCPR.

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BUS STOP SIGNAGE PROJECT - PHASE 1
ROUTE 2
STEEL POST - TYPICAL POST LOCATION
FOR GRASS MOUNTING STANDARDS

FROM SAGRADO CORAZÓN TO BAYAMON
MUNICIPALITIES OF SAN JUAN, GUAYNABO AND BAYAMON

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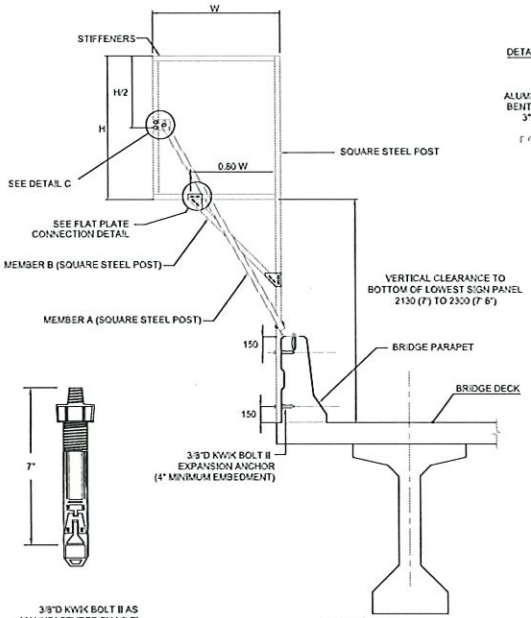
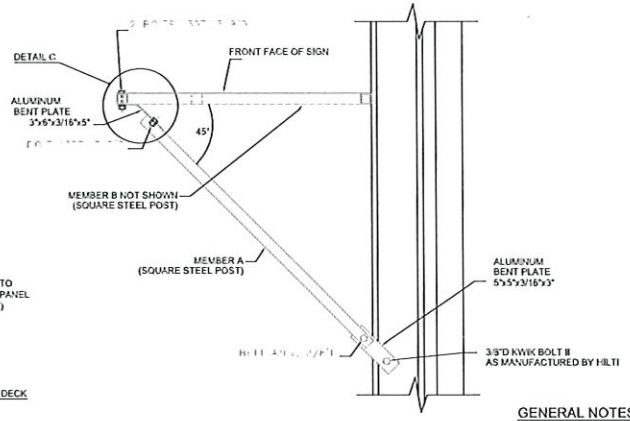


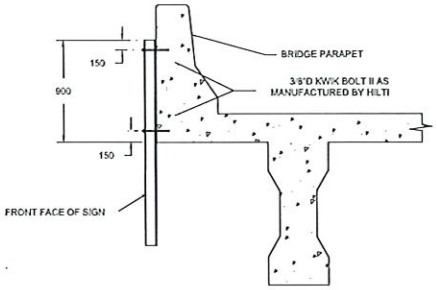
ELEVATION

3/8"D KWIK BOLT II AS MANUFACTURED BY HILTI

ANCHOR



PLAN



OVERHEAD MOUNTING

USE ONE STEEL FLANGED CHANNEL POST OR ONE SQUARE STEEL POST FOR SIGNS W12-2 600 (2') X 600 (2'), 750 (2'-6") X 750 2'-6"), AND 900 (3') X 900 (3').

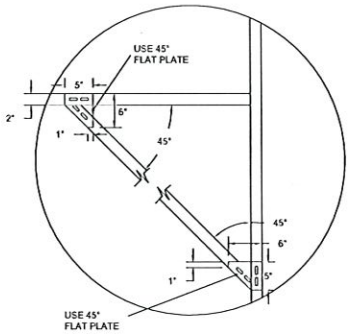
USE TWO STEEL FLANGED CHANNEL POST OR TWO SQUARE STEEL POST FOR SIGNS W12-2 1200 (4') X 1200 (4') AND 1500 (5') X 1500 (5') OR GREATER, OR ANY OTHER SIGNS INDICATED IN THE CONSTRUCTION PLANS.

GENERAL NOTES:

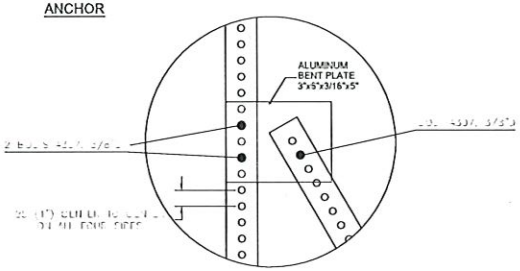
1. FOR CANTILEVER SUPPORT MOUNTING ONLY SQUARE STEEL POST SHALL BE USED.
2. CONTRACTORS, SUBCONTRACTORS OR SUPPLIERS WHO WISH TO INCLUDE THEIR PRODUCTS INTO THE APPROVED LISTING OF ANCHORS MUST SUBMIT THE FOLLOWING INFORMATION FOR CONSIDERATION BY THE AUTHORITY: FULL DESCRIPTION AND DRAWINGS OF THE ANCHOR INCLUDING DIMENSION OF ALL COMPONENTS AND COMPLETE MATERIAL DESCRIPTION, GALVANIZING AND OTHER PERTINENT INFORMATION.

   KWIK BOLT SHALL BE ZINC PLATED IN ACCORDANCE WITH ASTM B633, TYPE III FE/ZN 5.
3. THE CONTRACTOR SHALL FOLLOW HILTI INSTRUCTIONS FOR 3/8" KWIK BOLT II INSTALLATION.
4. THE CONTRACTOR SHALL USE FLAT PLATES FOR POST TO STIFFENERS CONNECTION AS A SUBSIDIARY OBLIGATION.
5. ALL POSTS SHALL BE CONTINUOS IN LENGTH.
6. FOR OVERHEAD MOUNTING, THE SIGN SHALL BE INSTALLED WITHOUT REDUCTION IN THE EXISTING BRIDGE CLEARANCE.
7. THE CONTRACTOR SHALL BE RESPONSIBLE TO ADJUST THE LENGTH OF STIFFENERS ACCORDING TO THE PANEL SHAPE.
8. THE CONTRACTOR SHALL USE THREE VANDAL RESISTANT FASTENERS TO ATTACH THE SIGN PANEL TO EACH STIFFENER. THE FASTENERS
9. SHALL BE LOCATED ONE IN EACH EXTREME AND ONE IN THE CENTER OF STIFFENER.

   THE CONTRACTOR SHALL ADJUST THE LENGTH OF BOLT TO PENETRATE THE ENTIRE THICKNESS OF THE NUT.
10. ALL ALUMINUM BENT PLATES SHALL CONFORM TO ASTM B-209, ALLOYS 5052 H-32, 5052 H-36,
11. 5052 H-38, 5086 H-34, 5154 H-36 OR 6061 T-6.



FLAT PLATE CONNECTION DETAIL



DETAIL C

CANTILEVER SUPPORT MOUNTING

1. FOR SIGN PANELS WITH A SIGN PANEL AREA EQUAL OR LESS THAN 18 SQUARE FEET AND WIDTH EQUAL OR LESS THAN 1,200 (48").
2. FOR OCTAGONAL, DIAMOND, TOURISTIC AND CIRCULAR SIGN PANEL WITH A MAXIMUM HORIZONTAL WIDTH EQUAL OR LESS THAN 600 (24").

Yo, Hernan E. Lopez Baez, Ingeniero licencia 19134, certifico que soy el profesional que conceptualizó, diseñó y preparó estos planos y las especificaciones cumplen con las Tablas Tamaños y cargas que aplica a los planos y especificaciones cumplen con las disposiciones aplicables del Reglamento Conjunto y las disposiciones aplicables de los Reglamentos y Códigos de Construcción Vigentes de las Agencias Juntas Reglamentadoras o Corporaciones Públicas con Jurisdicción. Reconozco que cualquier error o falsificación de la información que se haya provisto por desconocimiento o por negligencia que me pueda atribuir a mi persona o por otras personas con mi consentimiento, me hacen responsable de cualquier acción judicial y daños hasta por la 90%.

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BUS STOP SIGNAGE PROJECT - PHASE 1
ROUTE 2
STEEL POST - TYPICAL POST LOCATION
FOR MOUNTING STANDARDS

FROM SAGRADO CORAZÓN TO BAYAMON
MUNICIPALITIES OF SAN JUAN, GUAYNABO AND BAYAMON

AUTORIDAD METROPOLITANA DE AUTOBUSES

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