MOVEMENT DIAGRAM

	NTOR	PHASE 1			PHASE 2 PRE-EMPT. 1			PHASE 3			PHASE 4			PHASE 5			PHASE 6			PHASE 7			PHASE 8			
		FLASH	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL
FACE #																												
INTERVALS	MIN GRN																											
	WALK																											
	PED CLR																											
	VEH EXT																											
	MAX 1																											
	MAX 2																											
	YELLOW																											
	RED																											
	ADD INIT																											
	MAX INIT																											
	TBR																											
	TTR																											
	MIN GAP																											
	MODE																											
	INIT START																											

No entries required in shaded area for RRFB installations.

SIGN LEGEND: *NOTE TO DESIGNER: USE APPROPRIATE SIGNS - REFER TO MUTCD*

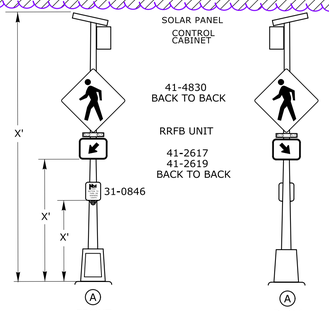
Ⓐ INSTALL RECTANGULAR RAPID FLASHING BEACON ASSEMBLY TYPE B. TOWN OWNED AND MAINTAINED

Ⓑ INSTALL

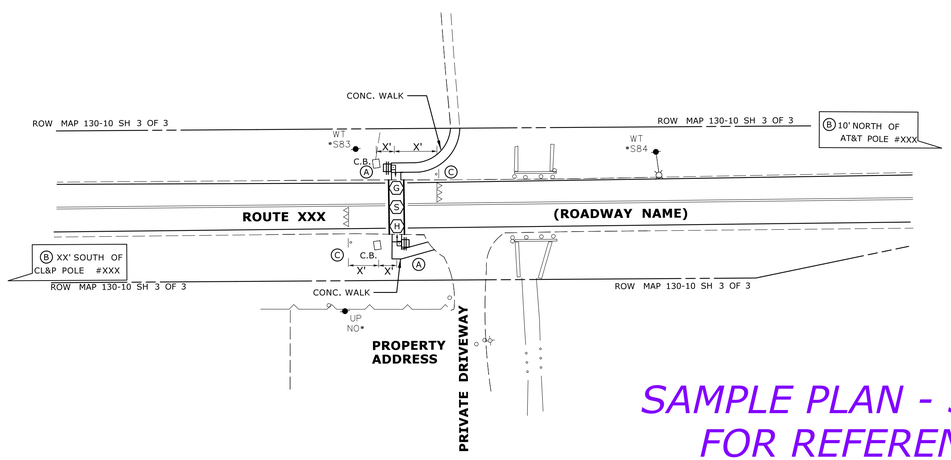
41-4830
41-6126

Ⓒ INSTALL

31-0510



RRFB ASSEMBLY TYPE B
DETAILS NOT TO SCALE



NOTES:

Ⓢ BAR TYPE CROSSWALK - STATE MAINTAINED

TECHNICAL NOTES

1. RECTANGULAR RAPID FLASHERS TO FLASH FOR XX SECONDS UPON ACTUATION. (XX-XX SECOND ADJUSTABLE.)
2. XX SECOND TIMER SHOULD RESET UPON EACH ACTUATION.
3. SPEECH MESSAGE "YELLOW LIGHTS ARE FLASHING' SHALL BE SPOKEN TWICE UPON PUSHBUTTON ACTUATION.

NOTE TO DESIGNER FOR TIMER CALCULATION:

- TYPICAL CALC = 7" + (27 FT / 3.5 FT/SEC) = 15"
- MIN VALUE = 29 FEET / 3.5 FT/SEC = 9"
- MAX VALUE = 7" + (27 FT / 3.0 FT/SEC) = 16"

OFFICE RECORD

REV # TIR # N/A SM # N/A SIGNAL REVISED:

INSTALLED RECTANGULAR RAPID FLASHING BEACONS (RRFB) UNDER PERMIT OR IF APPLICABLE UNDER PROJECT NO. XXXX-XXXX.

CONSTRUCTION NOTES:

FOR PERMITS ONLY

ALL MATERIAL AND CONSTRUCTION METHODS SHALL CONFORM TO THE FOLLOWING CURRENT D.O.T. DOCUMENTS WHICH CAN BE ACCESSED ON THE CTDOT WEBSITE:

- STANDARD SPECIFICATIONS FOR ROADS, BRIDGES, AND INCIDENTAL CONSTRUCTION (FORM 817)
- SUPPLEMENTAL SPECIFICATIONS TO FORM 817
- SPECIAL PROVISIONS TO FORM 817
- STANDARD INSTALLATION AND GUIDE DETAIL SHEETS.

ALL TRAFFIC EQUIPMENT IS NEW.

STAKE ALL R.O.W. PRIOR TO EXCAVATION.

ANY PROPOSED REVISIONS TO THE LOCATION OF THE APPURTENANCES SHOWN ON THE PLAN MUST BE SUBMITTED FOR REVIEW AND APPROVAL BY THE CITY/TOWN OF PRIOR TO INSTALLATION.

THE LOCATION OF TRAFFIC SIGNAL FOUNDATIONS WHEN IN OR ADJACENT TO SIDEWALKS SHALL BE VERIFIED PRIOR TO INSTALLATION TO PROVIDE A FREE PATH OF NOT LESS THAN 4 FEET. IF A MINIMUM 4 FOOT FREE PATH IS UNAVAILABLE NOTIFY THE ENGINEER AND CONTACT THE CITY/TOWN.

SEE SPECIAL PROVISION ITEM #1117XXX-A - RECTANGULAR RAPID FLASHING BEACON - TYPE B.

RECTANGULAR RAPID FLASHING BEACON TO BE PEDESTRIAN ACTUATED, SOLAR POWERED AND WIRELESS ACTIVATED.

COORDINATE WITH UTILITY COMPANY REPRESENTATIVES LISTED IN THE SPECIAL PROVISION, 1.07 - LEGAL RELATIONS AND RESPONSIBILITIES.

REMOVE ALL ABANDONED TRAFFIC SIGNAL EQUIPMENT PER SPECIAL PROVISION.

Ⓖ INSTALL TYPE XX SIDEWALK RAMP PER GUIDE SHEETS..

Ⓗ INSTALL TYPE XX SIDEWALK RAMP PER GUIDE SHEETS..

INSTALL RRFB ASSEMBLIES ON X' PEDESTALS.

INSTALL PEDESTAL FOUNDATIONS ADJACENT TO THE LANDING AREAS

CONTRACTOR TO ERADICATE AND INSTALL ALL PAVEMENT MARKINGS AS INDICATED BELOW:

(ADD APPROPRIATE NOTES AS APPLICABLE)

SAMPLE PLAN - SOLAR RRFB
FOR REFERENCE ONLY

TOWN RRFB ASSEMBLY

NO.	DATE	REVISION DESCRIPTION
1	12/2019	ADDED APS TECH NOTES

LEGEND:

R RED
Y YELLOW
G GREEN
R RED ARROW
Y YELLOW ARROW
GREEN ARROW
W WALK/ PED. CLR
D.W. DON'T WALK
FL. FLASHING

PROPOSED WOOD SPAN POLE
EXISTING WOOD SPAN POLE
PROPOSED STEEL SPAN POLE
EXISTING STEEL SPAN POLE
PROPOSED UTILITY POLE
EXISTING UTILITY POLE
PEDESTAL MOUNTING
PEDESTRIAN PUSH BUTTON & SIGN
DIRECTIONAL ARW. FOR PUSH BUTTON

TRAFFIC SIGNAL FACE
PEDESTRIAN SIGNAL FACE
DET. LEADS IN SAW CUT
PROPOSED RMC (RIGID METAL CONDUIT)
EXISTING RMC (RIGID METAL CONDUIT)
AUXILIARY TERMINATION CABINET
AUXILIARY EQUIPMENT CABINET
VIDEO DETECTION ZONE

PROPOSED CONTROLLER
EXISTING CONTROLLER
LOOP DETECTOR
SD SYSTEM DETECTOR
MAGNETIC DETECTOR
OPTICAL DETECTOR
VIDEO DETECTOR
AUDIO DETECTOR

BACK TO BACK RRFB
CABLE CLOSURE
WIRELESS SENSOR
WIRELESS RECEIVER
WIRELESS TRANSMITTER
GUY WIRE
PROPOSED HANDHOLE
EXISTING HANDHOLE

BACK TO BACK RRFB

	TRAFFIC DESIGN	ELECTRICAL DESIGN
ENGINEER		
DRAWN BY		
CHECKED BY		
SUBMITTED BY		
APPROVED BY		
APPROVED DATE		

REV # INTERSECTION #XXX-XXX

RECTANGULAR RAPID FLASHING BEACON ASSEMBLY (RRFB)

ENERGY BY: SOLAR | ADDRESS # N/A

MAINT LEVEL: N/A | SERVICE POLE: SOLAR

UNMETERED SERVICE

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

ROUTE XXX (ROADWAY NAME) AT
ROADWAY/DRIVEWAY NAME
AND/OR STREET ADDRESS

TOWN:
INSERT TOWN NAME

DRAWING TITLE:
TRAFFIC CONTROL SIGNAL PLAN

PROJECT NO. XXXX-XXXX
DRAWING NO.
SHEET NO.

DATE PLOTTED : 12/12/2019 D:\Users\desantlca\Desktop\Desktop Documents\RRFB Sample Plans DGN\000_TR_ASSET_S_RRFB.dgn

SCALE 1" = 40'