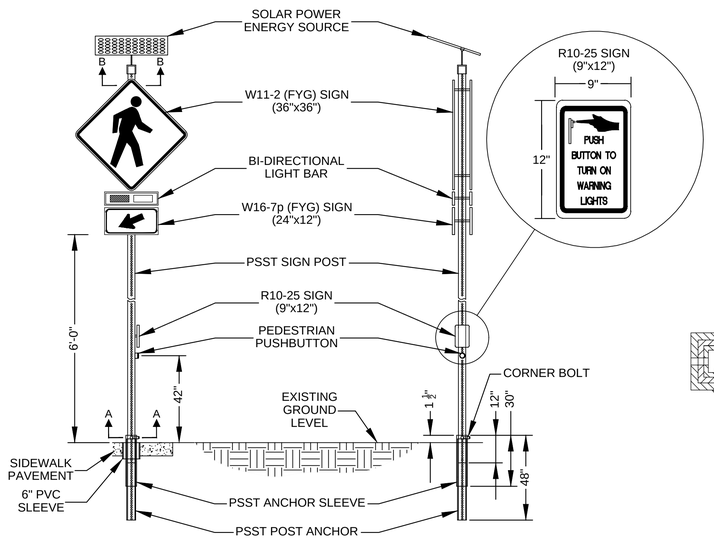
RECTANGULAR RAPID FLASHING BEACON (RRFB) SYSTEM
PEDESTRIAN PEDESTAL INSTALLATION
N.T.S.

FRONT VIEW



SIDE VIEW

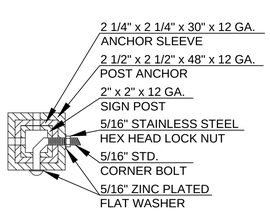
(Carmanah's R920-E Solar-Powered RRFB System,
Solar Traffic System's Solar-Powered RRFB System
or approved equal)

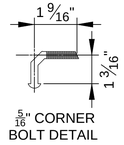
Rectangular Rapid Flashing Beacon (RRFB) System shall be bid and paid for as "Flashing Beacon System (RRFB)". See KDOT Special Provision 15-ER-1-R20 ERRATA Section 814 - Electric Lighting System and Traffic Signals.

BILL OF MATERIALS - RRFB SYSTEM
FOR REFERENCE ONLY

SOLAR PANEL (ENERGY COLLECTION) SYSTEM	2	EACH
BATTERY (ENERGY STORAGE) SYSYEM	2	EACH
WIRELESS COMMUNICATION SYSTEM	2	EACH
PUSHBUTTON (ADA COMPLIANT)	2	EACH
BI-DIRECTIONAL LIGHT BAR (MUTCD compliant system featuring two 3"x7" yellow L.E.D. light bars per direction, side-emitting pedestrian confirmation L.E.D. light bars and black housing)	2	EACH
MOUNTING HARDWARE		AS REQ'D

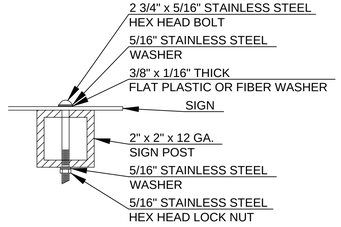
SECTION A-A

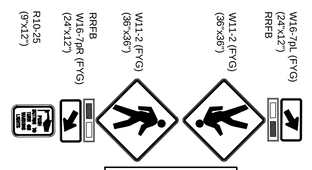


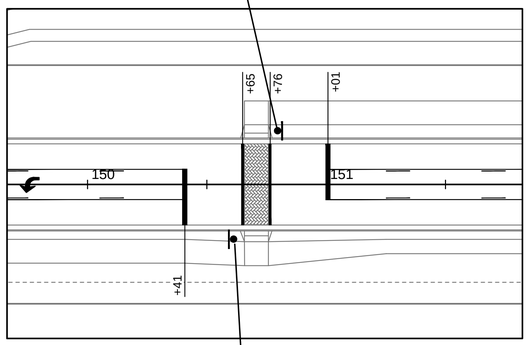


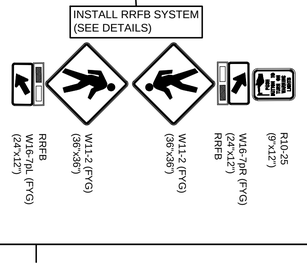
5/16" CORNER BOLT DETAIL

SECTION B-B









PAVEMENT INSTALLATION SEQUENCE
1. SIGN POST ANCHOR DRIVEN PARTIALLY INTO SUBGRADE USING A DRIVE CAP WITH SLEDGE OR POWER EQUIPMENT PRIOR TO THE PLACEMENT OF THE PAVEMENT.
2. ANCHOR SLEEVE SLIPPED OVER ANCHOR AND DRIVEN INTO SUBGRADE TOGETHER WITH THE SIGN POST ANCHOR PRIOR TO THE PLACEMENT OF THE PAVEMENT.
3. INSERT SIGN POST INTO THE POST ANCHOR AND BOLT IN PLACE.

GROUND INSTALLATION SEQUENCE
1. SIGN POST ANCHOR DRIVEN PARTIALLY INTO SUBGRADE USING A DRIVE CAP WITH SLEDGE OR POWER EQUIPMENT.
2. ANCHOR SLEEVE SLIPPED OVER ANCHOR AND DRIVEN INTO SUBGRADE TOGETHER WITH THE SIGN POST ANCHOR.
3. INSERT SIGN POST INTO THE POST ANCHOR AND BOLT IN PLACE.

NOTE: THE FIRST HOLE ABOVE THE FINISHED GRADE LEVEL IN ALL THREE UNITS MUST BE IN LINE FOR INSERTION OF THE CORNER BOLT.

ALL CORNER BOLTS AND NUTS FOR FASTENING THE SIGNS AND SIGN POST ASSEMBLY AND ALL WASHERS SHALL COMPLY WITH APPROPRIATE SECTIONS OF THE STANDARD SPECIFICATIONS (LATEST EDITION) AND SHALL BE A SUBSIDIARY ITEM.

PEC
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CITY OF WICHITA

LUKE PETER
LICENSED
27413
10/11/2024
KANSAS
PROFESSIONAL ENGINEER

WEST STREET IMPROVEMENTS
FROM MACARTHUR ROAD TO
47TH ST. SOUTH

CITY OF WICHITA

Issue:		

JOB NO.	210254-001
DATE	OCTOBER 2024
PM	TPA
DESIGNED BY	LGP
DRAWN BY	CP
CHECKED BY	KMS

RRFB SIGNALIZED CROSSWALK DETAILS

CT105
120 OF 206

SAVED 10/10/2024 11:23:56 AM BY LUKE.PETER
PLOTTED 10/10/2024 1:52:38 PM BY LUKE PETER
U:\WICHITA-CIVIL\2021\210254\001\PEC\DRAWING\S210254-001 MARKING & SIGNING.DWG