NOTES:

1. SCHOOL ZONE FLASHER – ROADSIDE SHALL BE SOLAR POWER STANDARD. IF A/C POWER OPTION IS DESIRED, CONTACT TRAFFIC ENGINEERING AT 334-3334 FOR EQUIPMENT SPECIFICATIONS AND DETAILS.

2. ALL EQUIPMENT SHALL BE PLACED WITHIN THE CITY OF RENO RIGHT-OF-WAY OR APPROPRIATE EASEMENT.

3. POLE, SIGN AND EQUIPMENT LOCATION SHALL BE PLACED TO CONFORM TO THE REQUIREMENTS OF PROWAG. TYPICAL POLE PLACEMENT SHALL BE THE BACK OF SIDEWALK. WHERE NO SIDEWALK EXIST ALL EQUIPMENT SHALL BE 2' MIN. CLEAR FROM THE ROADWAY FACE OF CURB.

4. ALL SIGNS SHALL CONFORM TO THE MUTCD, LATEST EDITION.

5. FLASHER LIGHTS ASSEMBLY SHALL BE 12" YELLOW LED SINGLE INDICATION PLACED IN A YELLOW POLYCARBONATE TRAFFIC SIGNAL HOUSING WITH A SINGLE-SECTION 1-PIECE BLACK POLYCARBONATE BACKPLATE AND BLACK POLYCARBONATE TUNNEL VISORS.

6. SCHOOL ZONE FLASHER CONTROLLER SYSTEM: CABINET, CONTROLLER, TIME SWITCH AND TIME SWITCH CONVERTOR SHALL BE RTC MANUFACTURING, INC. OTHER SPECIFIED MODELS SHALL REQUIRE APPROVAL OF THE CITY'S TRAFFIC ENGINEER.

    A. RTC MANUFACTURING, INC. ONE-BATTERY SYSTEM CABINET (PART# 503333K), "SCHOOL ZONE FLASHER SYSTEM" APPLICATION.

    B. RTC MANUFACTURING, INC. RADIO-PROGRAMMABLE TIME SWITCH (PART #CPR2102)

    C. RTC MANUFACTURING, INC. RADIO TO TIME SWITCH CONVERTOR (MODEL TSC-R1)

    D. YAGI ANTENNA. ANTENNA SHALL BE PLACED ON THE FLASHER POLE AT A LOCATION BASED ON FIELD CONDITIONS TO ENSURE PROPER COMMUNICATION.

7. SUNSAVER SOLAR CONTROLLER (SS-20L-12V) WITH MK BATTERY (8G31-DEKA 12 VOLT BATTERY). SOLAR PANEL SIZE BASED ON FIELD CONDITIONS BUT SHOULD BE SIZED SO THE BATTERY STATE OF CHARGE WILL NOT FALL BELOW 90% CAPACITY DURING ANY MONTH OF THE YEAR. SOLAR PANEL EDGE SHALL BE 2' MIN. CLEAR FROM THE ROADWAY FACE OF CURB AND A MAXIMUM WEIGHT OF 30 POUNDS.

8. POLE BASE FOOTING SHALL CONFORM TO NDOT STANDARD PLANS FOR ROADWAY AND BRIDGE CONSTRUCTION, 2020 EDITION. DETAIL TG-18, 2'-6" DIAMETER x 5' DEEP. ANCHOR BOLT SIZE AND DEPTH PER POLE BASE MANUFACTURER.

9. ALL EQUIPMENT SHALL BE SUBMITTED FOR TO THE CITY'S TRAFFIC ENGINEER FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION. AFTER INSTALLATION, SCHOOL ZONE FLASHER SHALL BE FIELD TESTED IN THE PRESENCE OF THE TRAFFIC ENGINEER (OR DESIGNEE) AND PROVEN OPERATIONAL TO THE SATISFACTION OF THE CITY BEFORE FINAL CITY ACCEPTANCE.

10. PORTLAND CEMENT CONCRETE (P.C.C.) SHALL BE 4000 PSI MIN. COMPRESSIVE STRENGTH AT 28 DAYS. ALL CEMENT CONCRETE SHALL HAVE A COARSE AGGREGATE GRADATION CONFORMING TO SIZE No. 67. POLYPROPYLENE OR CELLULOSE FIBERS SHALL BE ADDED TO THE P.C.C. AT 1.5 LBS PER CUBIC YARD. MIX DESIGN SHALL CONFORM TO THE REQUIREMENTS OF SECTION 337.10 OF SSPWC. ALL MATERIALS SHALL CONFORM TO SSPWC.

	STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION	DRAWING No.
RENO	NOTES - SCHOOL ZONE FLASHERS - ROADSIDE	R-417D
		APPROVED BY: KK | DATE:1/2023