

NOTES:

1. MAST ARM DAMPER. INSTALL DAMPER ON BACKSIDE OF MAST ARM, WITHIN 24" OF THE END FARTHEST AWAY FROM THE POLE, TO REDUCE CYCLIC VIBRATION DUE TO WIND.
2. RECTANGULAR RAPID FLASHING BEACON (RRFB). LOCATE RRFB VERTICALLY ON MAST ARM NO LOWER THAN 18'-6" FROM ROADWAY SURFACE. DISTANCE IS MEASURED FROM THE BOTTOM EDGE OF THE RRFB TO THE ACTUAL TRAVEL LANE SURFACE. LOCATE RRFB AND SIGN HORIZONTALLY ON MAST ARM CENTERED OVER THE TRAVEL LANES.
3. RRFB MUST INCLUDE A PEDESTRIAN INDICATION SIDE FLASHER THAT FACES CROSSWALK.
4. SOLAR PHOTOVOLTAIC CONTROLLER, WITH BATTERY IF APPLICABLE.
5. SOLAR PHOTOVOLTAIC ARRAY SHALL PROVIDE A MINIMUM POWER GENERATION OF 90 WATTS. BATTERY STORAGE SHALL PROVIDE A MINIMUM OF 105 AMP-HOURS AT 12 VOLTS.
6. RECTANGULAR RAPID FLASHING BEACON SYSTEM (CARMANAH SC315-6 OR AN APPROVED EQUIVALENT). AC OR SOLAR.
7. POLE BASE AND FOOTING SHALL BE NDOT TYPE PILE FOOTING FOR TYPE 35 OR 35A POLE OR AS SPECIFIED BY A STRUCTURAL ENGINEER.
8. ALL NEW PEDESTRIAN PUSH BUTTONS FOR TRAFFIC SIGNALS SHALL BE 2" DIAMETER. UTILIZE POLARA INX AUDIBLE MID-BLOCK CROSSING PUSH BUTTON STATION SYSTEM OR APPROVED EQUAL. THE COLOR OF THE STATION SHOULD BE YELLOW. PEDESTRIAN PUSH BUTTONS LOCATED IN THE CENTER MEDIAN ISLANDS SHALL HAVE A BI-DIRECTIONAL ARROW. NEW PUSH BUTTON STATIONS SHALL HAVE MUTCD R10-25 SIGNS. THE TACTILE ARROW SHALL POINT IN THE DIRECTION OF THE CROSSING AND THE SIGN SHALL BE ALIGNED WITH THE CROSSWALK.
9. SIGN MATERIALS, CONSTRUCTION AND PLACEMENT SHALL BE IN CONFORMANCE WITH THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
10. ALL EQUIPMENT SHALL BE WITHIN THE CITY OF RENO RIGHT-OF-WAY OR EASEMENT WITH POLE LOCATED BEHIND SIDEWALK.
11. SEE R-417E FOR ONE-LANE EACH DIRECTION ROADWAYS.
12. ALL EQUIPMENT SHALL BE SUBMITTED FOR TO THE CITY'S TRAFFIC ENGINEER FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION. AFTER INSTALLATION, 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.
13. ALIGN POLE BASE COVER SUCH THAT IT IS PARALLEL TO BACK OF SIDEWALK AND ALIGNS WITH NEAR EDGE OF THE DETECTABLE WARNING JOINT.
14. WHEN SCHEDULE INDICATES DUAL MOUNT, DOUBLE QUANTITY OF ALL FLASHERS AND TRAFFIC SIGNAL SIGNS, THEN MOUNT TO OPPOSITE SIDE OF POLE AND MAST ARM.
15. ALL SIGNS SHALL BE 3M DIAMOND GRADE (DG3), SERIES 4000, SHEETING WITH A CLEAR, TRANSPARENT OVERLAY 3M #1160i (LATEST EDITION) OR APPROVED EQUAL. SHALL BE A MATCHED COMPONENT SYSTEM.
16. FLUORESCENT YELLOW-GREEN BACKGROUND SHALL ONLY BE USED FOR SCHOOL ZONES, SCHOOL CROSSINGS, OR PEDESTRIAN SAFETY ZONES.



STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION

**NOTES - OVERHEAD RECTANGULAR RAPID
FLASHING BEACON (RRFB)**

DRAWING No.

R-417H

APPROVED BY: KK | DATE: 2/2026