NOTES:

1. CIRCULAR LOOPS ARE REQUIRED FOR ALL DETECTOR LOOPS UNLESS NOTED IN THE CONTRACT.

2. WHERE NEW PAVEMENT SURFACES ARE PLACED, ALL TRAFFIC SIGNAL LOOP DETECTORS SHALL BE INSTALLED PRIOR TO THE PLACEMENT OF THE FINAL "TOP" LIFT OF THE PLANTMIX BITUMINOUS PAVEMENT MATERIAL. PLACEMENT OF SLURRY SEAL DOES NOT NEGATE THIS REQUIREMENT. SEE DETAIL R-406A, SECTIONS A-A AND B-B.

3. WHERE LOOPS ARE TO BE OVERLAID WITH ASPHALT, THE LOOP SEALANT SHALL BE SAKRETE, OR APPROVED EQUAL, AND COMPACTED.

4. LOOPS CUT INTO THE STREET SURFACE SHALL BE SEALED WITH "CRAFCO" LOOP SEALANT, OR AN APPROVED EQUAL.

5. WASH, BLOW OUT, AND DRY SLOTS THOROUGHLY WITH COMPRESSED AIR BEFORE INSTALLING LOOP CONDUCTORS.

6. SAW SLOTS IN PAVEMENT FOR LOOP CONDUCTORS AS SHOWN IN R-406A DETAIL A.

7. LOOPS SHALL BE CENTERED IN LANES AS SHOWN IN "PLAN VIEW" ON R-406A.

8. INSTALL TERMINATION PULL BOX PER "CONDUIT INSTALLATION" ON R-406A.

9. INSTALL NO. 14 AWG PVC ENCASED TUBE LOOP CONDUCTOR IN SLOTS USING $\frac{3}{16}$" TO $\frac{1}{4}$" THICK WOOD PADDLE. SEE R-406A SECTIONS B-B. ALLOW ADDITIONAL LENGTH FOR THE LEAD-IN RUN TO TERMINATION PULL BOX PLUS SO THAT THERE IF 5' OF SLACK IN PULL BOX. THIS ADDITIONAL LENGTH OF CONDUCTOR FOR EACH LOOP CIRCUIT SHALL BE TWISTED TOGETHER IN A PAIR, AT LEAST 5 TURNS PER FOOT, BEFORE BEING RUN TO PULL BOX.

10. ALL WIRES SHALL BE IDENTIFIED IN PULL BOXES, WITH LOOP WIRES AS FOLLOWS: BLUE TAPE INDICATES LEFT TURN LANE LOOPS WITH ONE BAND IDENTIFYING LOOP ONE, TWO BANDS LOOP TWO, ETC. WHITE TAPE INDICATES THROUGH LANE LOOPS AND RED TAPE INDICATES RIGHT TURN LANES. IF THERE ARE TWO LEFT TURN LANES, YELLOW TAPE INDICATES THE LANE CLOSEST TO THE CENTER LANE OF THE STREET. IN THE LOOP PAIRS ALSO IDENTIFY WHICH IS THE START(S) AND FINISH(F) OF THE CONDUCTOR AS SHOWN IN "WINDING DETAIL" ON SHEET R-406A.

11. LEFT TURN LOOP FARTHEST FROM FROM STOP BAR SHALL BE ON DEDICATED CHANNEL.

12. SPLICE LOOP CONDUCTORS TO LEAD-IN CABLE. ALL SPLICES SHALL BE SOLDERED USING $\frac{40}{60}$ RESIN CORE SOLDER. ALL SPLICES SHALL BE PROVIDED A SOUND ENVIRONMENTAL SEAL. LEAD-IN CABLE SHALL NOT BE SPLICED BETWEEN THE TERMINATION PULL BOX AND THE CONTROLLER CABINET.

13. DISTANCE BETWEEN SIDE OF LOOP AND A LEAD-IN SAW CUT FROM ADJACENT DETECTORS SHALL BE TWO FEET MINIMUM. DISTANCE BETWEEN LEAD-IN SAW CUTS SHALL BE SIX INCHES MINIMUM. DISTANCE BETWEEN LEAD-IN SAW CUTS SHALL BE TWELVE INCHES FROM ANY CURB, GUTTER PAN LIP OR PAVEMENT EDGE.

14. ALL INDUCTIVE LOOPS ON A GIVEN CHANNEL SHALL BE CONNECTED IN SERIES. NO MORE THAN ONE LEAD IN CABLE SHALL BE CONNECTED TO A CABINET CHANNEL TERMINATION. NO MORE THAN 4 LOOPS ARE TO BE CONNECTED TO ONE CHANNEL.

	STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION	DRAWING No.
RENO	NOTES - LOOP DETECTOR LAYOUT	R-406B
		APPROVED BY: KK | DATE: 2/2026