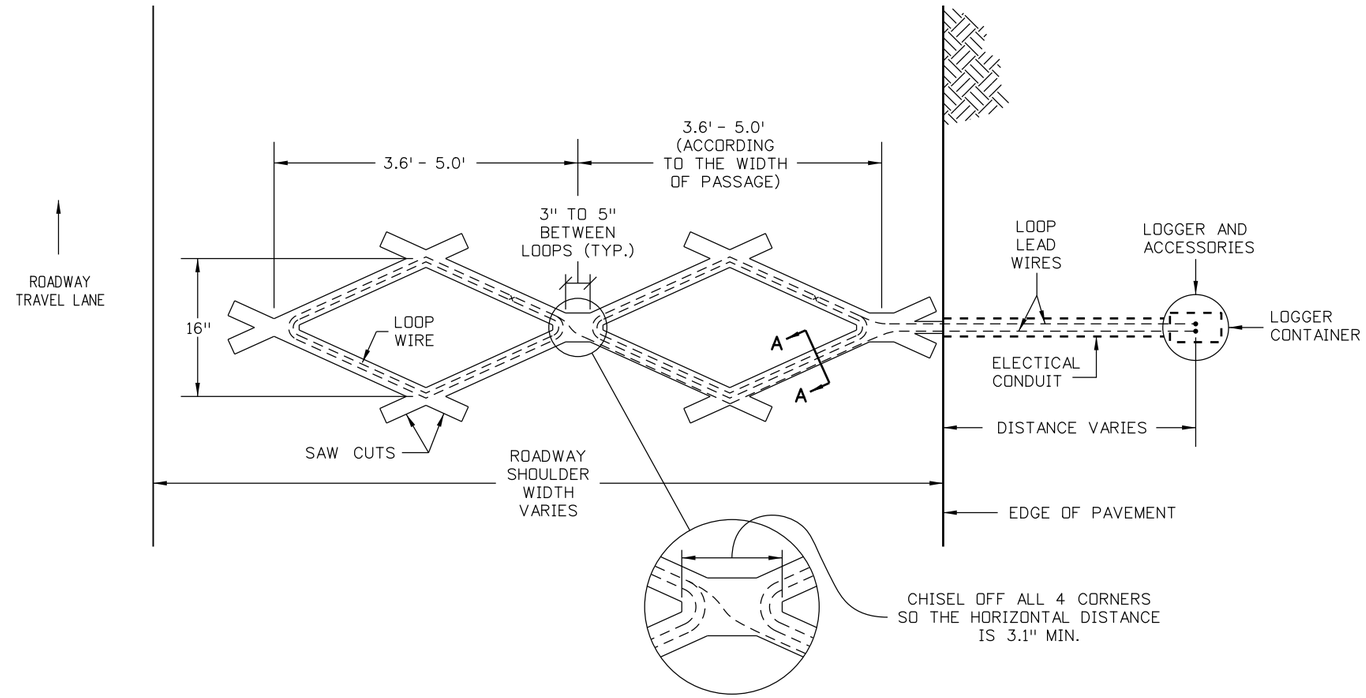
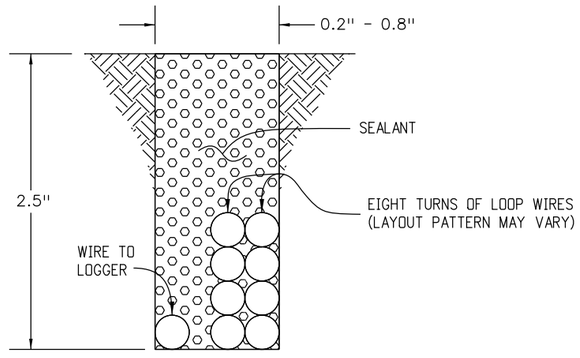


PLAN VIEW

DIAMOND LOOP, WIRE AND LOGGER INSTALLATION



SECTION A-A

LOOP DETECTOR WIRE INSTALLATION

GENERAL NOTES

1. THE WORKING SITE MUST BE SECURED AND MAINTAINED TO MEET ALL SAFETY CONCERNS.
2. ALL COMPONENTS OF THE BIKE COUNTER DEVICE SHALL BE INSTALLED ON FLAT SURFACES ONLY.
3. ALL SAW CUT SLOTS SHALL BE STRAIGHT.
4. BEFORE INSTALLATION OF THE WIRE, ALL SAW CUT SLOTS SHALL BE CLEANED OF DEBRIS AND BE DRY.
5. ALL WIRES SHALL BE CONTINUOUS AND TAUT IN THE PAVEMENT AND TO THE LOGGER DEVICE.
6. ALL SAW CUT SLOTS AND HOLES SHALL BE SEALED LEVEL WITH THE EXISTING ROADWAY SURFACE USING A SELF CURING, SELF BONDING, WEATHERPROOF, DURABLE SEALANT APPROVED BY THE ENGINEER.
7. ALL WIRES SHALL BE 14 GAUGE WIRE.
8. THE LOOP LEAD WIRE SHALL BE BRAIDED A MINIMUM OF 30 TIMES PER 40 INCHES.
9. ONE SET OF LOOP WIRES (WRAPPED AROUND 8 TIMES) SHALL BE PLACED IN A SAW CUT SLOT.
10. A MAXIMUM OF TWO LOOPS SHALL BE CONSTRUCTED.
11. INSTALLATION OF THE BIKE COUNTER DEVICE SHALL BE DONE IN THE PRESENCE OF THE ENGINEER, A TRAFFIC ANALYSIS UNIT REPRESENTATIVE FROM THE CDOT DTD SECTION, AND A MANUFACTURE'S REPRESENTATIVE, UNLESS STATED IN WRITING BY THE DTD TRAFFIC ANALYSIS UNIT THAT THE MANUFACTURER'S REPRESENTATIVE DOES NOT HAVE TO BE THERE.
12. AFTER INSTALLATION OF THE DEVICE IS COMPLETED, TESTING SHALL BE REQUIRED USING A BICYCLE.

BIKE AND PEDESTRIAN TRAFFIC COUNTER
D-614-3

APPLICATION: USED FOR COLLECTING AND STORING BICYCLE AND PEDESTRIAN VOLUME COUNTS ON ROADWAY SHOULDRS OR MULTI-PURPOSE PATHS.

HISTORY: REQUESTED BY THE TRAFFIC ANALYSIS UNIT IN DTD.

PLEASE CALL THE STANDARDS ENGINEER AT 303-757-9021 FOR ANY QUESTIONS.

PLEASE DELETE THIS BLOCK BEFORE USING THIS DETAIL ON A PROJECT. DATE: JULY 11, 2012 DD/LTA

Computer File Information		Sheet Revisions		
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BIKE AND PEDESTRIAN TRAFFIC COUNTER

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