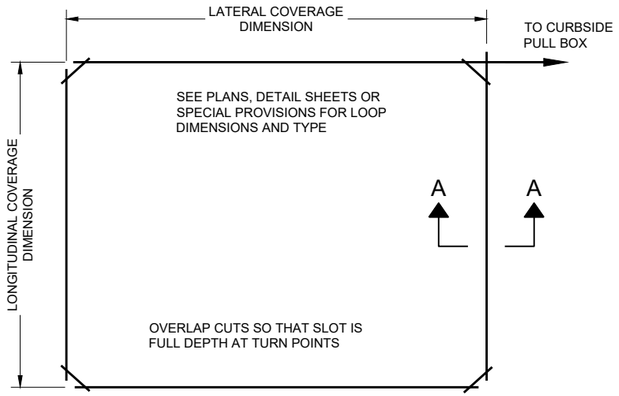
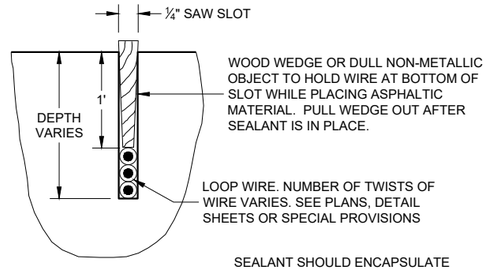
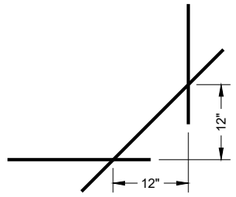
SDD 09F01 Details for the Installation of Temporary Traffic Signal Loop Detector Wires in any Existing Pavement



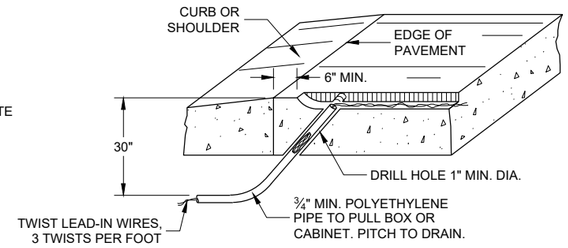
LOOP WIRE SLOT CONSTRUCTION



SECTION A - A
LOOP AND LEAD-IN WIRES IN PAVEMENT



EXPANDED VIEW SAW CUT CORNERS



LOOP LEAD-IN WIRES THROUGH PAVEMENT

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

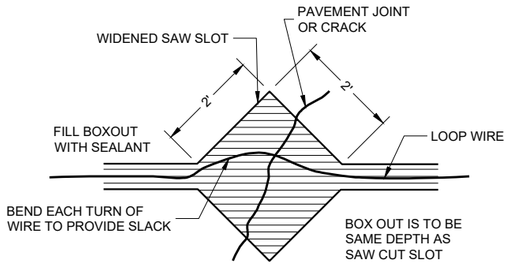
THE SLOTS IN THE PAVEMENT SHALL BE CUT TO DIMENSION WITH A SAW. THE SLOTS SHALL BE CLEANED FREE OF DIRT, DUST, MOISTURE AND DEBRIS PRIOR TO INSTALLATION OF THE WIRE.

AFTER PLACING THE WIRE IN THE SLOT, FILL THE SLOT WITH AN ASPHALTIC MATERIAL IN ACCORDANCE WITH THE "SPECIFICATION FOR JOINT SEALANTS, HOT POURED, FOR CONCRETE AND ASPHALT PAVEMENTS, ASTM DESIGNATION: D6690".

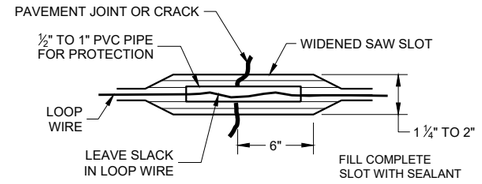
IN THE EVENT ASPHALTIC MATERIAL IS UNAVAILABLE, A FLEXIBLE TYPE EPOXY MAY BE USED AS A LOOP SLOT FILLER. THE LOOP SLOT SHALL BE CLEAN AND DRY BEFORE EPOXY IS INSTALLED. EPOXY USE SHALL BE APPROVED BY THE DISTRICT TRAFFIC ENGINEER AND THE FURNISHED EPOXY SHALL BE INSTALLED ONLY AFTER WRITTEN APPROVAL BY THE BY THE PROJECT ENGINEER.

THE TWO SINGLE CONDUCTOR LOOP WIRES SHALL BE TWISTED TOGETHER AT A RATE OF THREE TWISTS PER FOOT FROM THE PAVEMENT EDGE TO THE SPLICE CONNECTION WITH THE LOOP LEAD-IN CABLE.

LEAD-IN CABLES AND LOOP LEAD-IN WIRES SHALL BOTH BE CUT TO 6 FEET IN LENGTH AT THE SPLICING PULL BOX.



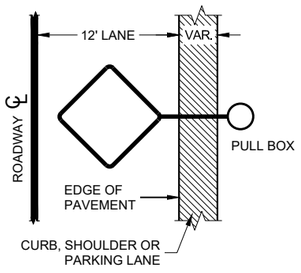
PLAN VIEW



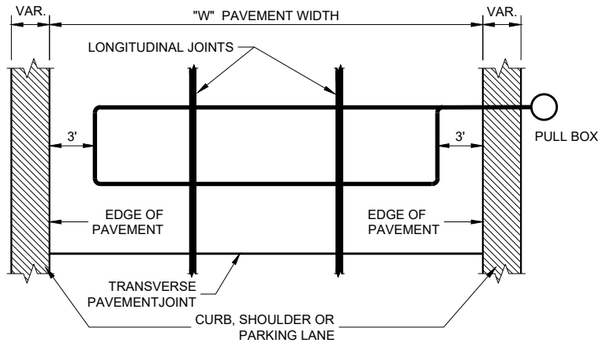
FRONT VIEW

LOOP WIRE INSTALLATION ACROSS PAVEMENT JOINT OR CRACK

CENTER LOOP IN LANE

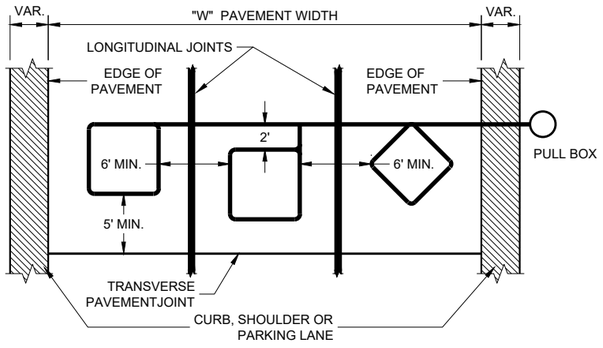


LOOP WIRE SLOT PLAN

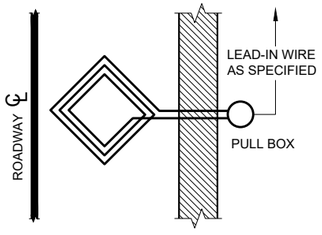


LOOP WIRE SLOT PLAN

PLACE LOOPS IN CENTER OF LANES

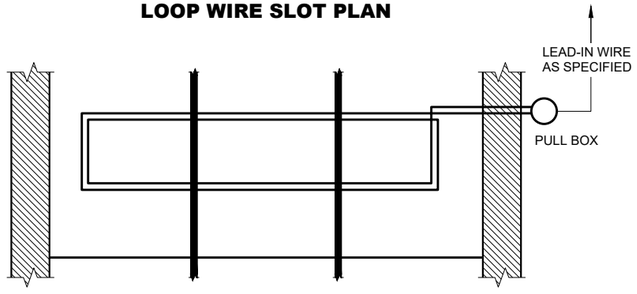


LOOP WIRE SLOT PLAN



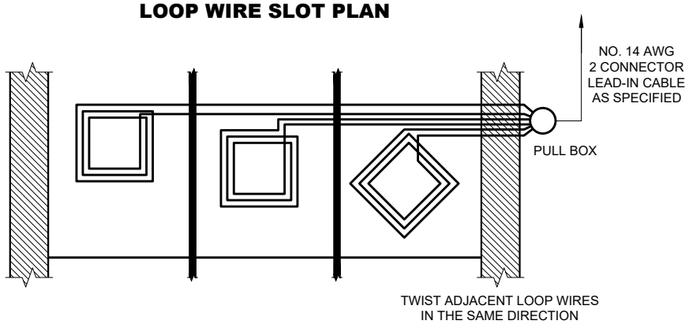
LOOP WIRE LAY CONSTRUCTION DETAILS

SINGLE LANE LOOP DETECTION



LOOP WIRE LAY CONSTRUCTION DETAILS

MULTIPLE LANE MASS LOOP DETECTION



LOOP WIRE LAY CONSTRUCTION DETAILS

MULTIPLE LANE DETECTION BY INDIVIDUAL LANES. TYPICAL STYLE LOOPS

DETAILS FOR THE INSTALLATION OF TEMPORARY TRAFFIC LOOP DETECTOR WIRES IN ANY EXISTING PAVEMENT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2015
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGINEER

FHWA

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SDD 09F01 - 04

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SDD 09F01 - 04

Version 4 **Standard Detail Drawing 9F1** *July 23, 2015*

Details for the Installation of Temporary Traffic Signal Loop Detector Wires in any Existing Pavement

References:

FDM15-5 Attachment 30.5 and 30.6 for conventional symbols

Standard Spec. 655 Electrical Wiring

Standard Spec. 675 Controllers and Detectors

Bid items associated with this drawing:

ITEM NUMBER	DESCRIPTION	UNIT
653.0100 - 0150	Pull Boxes Steel (size)	EACH
653.0151 - 0179	Pull Boxes Non-Conductive (inch)	EACH
655.0700	Loop Detector Lead In Cable	LF
655.0800	Loop Detector Wire	LF

Standardized Special Provisions associated with this drawing:

STSP NUMBER	TITLE
NONE	

Other SDDs associated with this drawing:

SDD 9B2	Conduit
SDD 9B4	Pull Box
SDD 9B16	Pull Box Non-Conductive

Design Notes:

NONE

Contact Person:

Ahmet Demirbilek (414) 220-6801
(414) 322-9606 (Mobile)