

Inspector Quantlist Report 20190423

Diary Number: _____ Inspector Name: _____

TRACS Number: _____ Date: _____

Division VII: Traffic Control Facilities
Title: Saw Cut-Vehicle Loop Detectors

Route Name:
Reference Number:
Station:
Lane:
Sheet Number:
Asphalt Pavement:
P.C.C.P. Pavement:

Attribute Numbers	Compliance	Narratives	References
0.		All stakeholders have participated in the pre-activity meeting (can be combined with other pre-activity).	Construction Manual 108.04
1.		The contractor has submitted six copies (or submitted electronic format/docuSign) of a complete project material submittal for approval at the preconstruction conference.	Standard Specifications 106.05 Standard Specifications 730-4
2.		All materials match the approved submittals and contract documents.	Standard Specifications 735-2.01
3.		Loop detectors are installed at the locations in accordance with the plans details or standard drawings.	Standard Specifications 735-1 Standard Specifications 735-3.01 (A)
4.		Loop dimensions, saw cut depth, and saw cut width are in conformance with the plans details.	Standard Specifications 735-1
5.		All saw cuts are dry and free from debris prior to loop installation.	Standard Specifications 735-3.01 (C)
6.		Loop wire is stranded AWG number 14 copper, rated at 600V with THWN insulation, unless otherwise specified.	Standard Specifications 732-2.01 (A)(1)
7.		Roadway loop detector wires are enclosed in factory extruded PVC flexible tubing by the wire manufacturer (contractor assembly of the wire in the flexible tubing is not acceptable).	Standard Specifications 732-2.01 (A)(1)

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8.		Shielded loop lead-in cables are polyethylene insulated copper conductors, vinyl jacketed, and rated at 600 volts.	Standard Specifications 732-2.01 (B)(1)
9.		The correct numbers of loop turns are verified before installation with the project plan sheets and documented in Inspector daily diary.	Construction Manual 105.11 Standard Specifications 735-2.01 (B)
10.		Backer Rod are installed every two feet prior to the installation of the sealant. Check with project plan sheets for number of tabs used.	Standard Specifications 735-3.01 (B) Systems Technology ITS Standard Drawing FM-5.02
11.		The Contractor has submitted sealants for approved.	Standard Specifications 735-3.01 (C)
12.		The Contractor is using the approved sealant.	Standard Specifications 735-3.01 (C)
13.		The handling of the sealant and the filling of the saw cut will be in accordance with the directions of the manufacturer.	Standard Specifications 735-3.01 (C)
14.		The sealant has filled the saw cut to within 1/8" of the top of the pavement surface and all surplus sealant has been removed.	Standard Specifications 735-3.01 (C)
15.		Sand blotter can be applied on the sealant after filling slots as directed by the Engineer.	Standard Specifications 735-3.02 (C)
16.		Loop wires in the pull boxes are labeled for identification.	Standard Specifications 735-3.02 (C)
17.		Each loop shall consist of 3 turns of wire and shall be a continuous run from the loop to the loop detector stub out, The 2 loop lead-in wires from the loop to the pull box shall be twisted together with a minimum of 2 turns per foot.	Project plans Traffic Signals and Lighting Standard Drawing T.S. 6-4
18.		All detector wire splices are soldered using resin core solder with 60% tin and 40% lead and sealed from moisture with self-encapsulating fit caps.	Standard Specifications 735-3.01 (D)
19.		The detector lead-in cables are continuous and un-spliced to the controller cabinet.	Standard Specifications 735-3.01 (D)
20.		Loop insulation resistance and inductance is verified and documented before and after sealant application; resistance-to-ground is at least 50 megohms, (check Special Provisions for specific requirements).	Standard Specifications 735-3.01 (E) Special Provisions 735-3
21.		All loop readings are documented in the "Loop Log Sheet".	Special Provisions 735-3.01 (D) Systems Technology ITS Standard Drawing FM-5.06
22.		Conductor ends are "moisture" protected prior to installation and remain protected until connections are made.	Special Provisions 735- 3.01 (C) ITS Standard Drawing FM 5.06
23.		All changes are approved by the Engineer.	Standard Specifications 735-3.01 (A)
24.		All changes are documented by the inspector and noted in the as-built plans.	Construction Bulletin 09-04
25.		Quantlist Minimum Frequency is being followed with a minimum of one per week.	Construction Bulletin 07-01