



## **WSDOT Test Method T 427**

### ***Test Method for Loop Amplifier Testing Procedure***

1. SCOPE

This test method is intended to evaluate operation of individual loop amplifiers that are included with the traffic controller cabinet.

2. REFERENCE DOCUMENTS

*WSDOT Standard Specification 9-29.13*

NEMA Publication TS-1

3. SAFETY

Use proper equipment and training to reduce the risk of electrical shock

4. APPARATUS

Loop Detector Sensitivity Tester.

5. PROCEDURE

Perform the following tests per manufacturer's instructions.

- a. Loop Amplifier Tests:
- b. Maximum Sensitivity Check
- c. Sustained Presence Check
- d. Sustained Presence Recovery Check
- e. Pulse Check
- f. Second Vehicle Check
- g. Delay Check
- h. Extension Check

6. REPORT

Record any response found to be in disagreement with the published standards. Report pass or fail and any corrective actions taken on the test report.



## Performance Exam Checklist

### Test Method for Loop Amplifier Testing Procedure WSDOT Test Method T 427

Participant Name \_\_\_\_\_

Exam Date \_\_\_\_\_

#### Procedure Element

	Yes	No
1. Maximum Sensitivity Check	<input type="checkbox"/>	<input type="checkbox"/>
2. Sustained Presence Check	<input type="checkbox"/>	<input type="checkbox"/>
3. Sustained Presence Recovery Check	<input type="checkbox"/>	<input type="checkbox"/>
4. Pulse Check	<input type="checkbox"/>	<input type="checkbox"/>
5. Second Vehicle Check	<input type="checkbox"/>	<input type="checkbox"/>
6. Delay Check	<input type="checkbox"/>	<input type="checkbox"/>
7. Extension Check	<input type="checkbox"/>	<input type="checkbox"/>

First attempt: Pass  Fail

Second attempt: Pass  Fail

Signature of Examiner \_\_\_\_\_

Comments:

