

# ITS DEVICE INSPECTION CONTRACTOR CHECKLIST

North Dakota Department of Transportation, Maintenance

SFN 60717 (8-2017)

Project Number		PCN	Inspection Date
NDDOT Inspector		Contractor	
Device Type <input type="checkbox"/> Camera <input type="checkbox"/> DMS <input type="checkbox"/> ESS <input type="checkbox"/> ATR <input type="checkbox"/> WIM <input type="checkbox"/> Other _____			
Warranty Start Date	Warranty Expiration Date	Vendor	Telephone Number

## Location of Device

Latitude	Longitude	Altitude at Cabinet Base	Altitude at Tower Base	Distance From Centerline	Travel Direction	Roadway	Mile Marker
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Inspector Initials	ITS Cabinet	Comments
	Wires in ITS cabinet are properly identified according to plan & NDDOT specs	
	Cabinet base is caulked	
	Conduit openings with conductors duct sealed, spare conduit openings capped	
	Fiber optic patch panel box wires labeled	
	Fiber optic patch panel box is secured to cabinet	
	Cabinet door seals are properly installed	
	Cabinet Filters properly installed	
	Cabinet doors are operating properly	
	Access to pad the correct height above grade	
	Cabinet base correct height above grade as shown on plans	
	Rodent screen in weep hole (Stainless or Copper Material)	
	Adequate washers used to attach cabinet to foundation	
	Feed Through Grommets properly installed on wires passing through the cabinet wall	
<b>ITS Device</b>		
	Drip Loops are installed properly and slack is available at end of cable for device service	
	Galvanizing on Tower/Pole (Any scuff marks have been touched up)	
	Conduit openings with conductors duct sealed, spare conduit openings capped	
	Devices/Sensors properly attached to the structure	
	Devices/Sensors installed at the proper height	

Inspector Initials	ITS Device	Comments
	Devices/Sensors data and power connections are weather proof according to plan and NDDOT specifications	
	IR Illuminator powers on properly	
	IR Illuminator aimed correctly at the roadway	
	Tower/Pole grounded to ITS Cabinet	
	Tower/Pole locking points are aligned	
	Loop and sensor saw slots sealant flush to top of pavement surface after proper curing	
	<b>Work Site</b>	
	Work site is clean and neat, all job related waste has been disposed of	
	<b>Feed Point</b>	
	Conduit openings with conductors duct sealed, space conduit openings Capped	
	Breakers are labeled	
	<b>Pull Boxes</b>	
	24" of clean washed gravel placed in sump	
	Top of pull box flush with surfaced area and approximately 1" above earth or sodded areas	
	Pull box lid and bolt openings are sealed and waterproofed	
	Lead-ins labeled in the pull box	
	Conduit openings made water tight	

**Pictures**

Inside of Cabinet	From Traveling Direction	From Opposite Travel Direction	Tower
Any Physical Conditions that could affect Maintenance		Sealed Roadway Saw Cuts	
Contractor's Signature			Date
Inspector's Signature			Date