

**CONTRACTOR'S PRE-INITIAL TRAFFIC SIGNAL INSPECTION CHECK LIST**

<b>CONTRACTOR'S PRE-INITIAL INSPECTION DATE:</b>		<b>INITIAL INSPECTION DATE:</b>	
<b>FINAL INSPECTION DATE:</b>		<b>FINAL ACCEPTANCE DATE:</b>	
<b>IMPROVEMENT DISTRICT/PROJECT:</b>		<b>CONTRACTOR:</b>	
<b>INTERSECTION:</b>		<b>INSPECTOR:</b>	
<b>SUBSTANTIAL COMPLETION DATE:</b>		<b>FINAL COMPLETION DATE:</b>	
<b>SERIAL NUMBERS:</b>			
<b>Controller-</b>			
<b>Opticom Card-</b>			
<b>Conflict monitor-</b>			
<small>Contractors</small>	<small>City</small>		
<small>Inspector Initials</small>	<small>Check Off</small>		
		<b>TRAFFIC SIGNAL CABINET:</b>	<b>COMMENTS</b>
		<b>1</b> Working slab-per specification	
		<b>2</b> Cabinet: <input type="checkbox"/> Leveled <input type="checkbox"/> Caulked bottom, outside & all Seams <input type="checkbox"/> 2 spare 2" conduits	
		<b>3</b> Grounding: ground rod and connections	
		<b>4</b> Line voltage: 120 volts--Check for Secure Connection	
		<b>5</b> Documentation: <input type="checkbox"/> Cabinet conflict monitor test record <input type="checkbox"/> Vehicle loop test report	
		<input type="checkbox"/> 4-sets of properly labeled cabinet prints	
		<b>6</b> Field wiring: <input type="checkbox"/> Neat-properly terminated <input type="checkbox"/> Machine labeled Correctly according to plans	
		<b>7</b> Detector and pre-emption rack label strip: <input type="checkbox"/> 1 1/8" width minimum	
		<input type="checkbox"/> Aligned with detectors <input type="checkbox"/> Labeled correct	
		<b>8</b> Fiber switch mounted correctly <input type="checkbox"/> Ethernet Cables Installed Correctly <input type="checkbox"/> Fiber jumpers installed and labeled correctly	
		<b>9</b> ALL field wiring connections are tight, after checking every wire for tightness, retighten ALL connections again.	
		<b>10</b> Vehicle loop detectors: <input type="checkbox"/> Sensitivity Set to 7 <input type="checkbox"/> Set to "S" mode <input type="checkbox"/> Frequency set- <b>Left Rack</b> --top(1), bottom(2) <b>Right Rack</b> --top(3), bottom(4)	
		<input type="checkbox"/> Verify operation to the assigned detector then verify proper call on the controller screen.	
		<b>11</b> Pedestrian push buttons: operate and verify proper call on the controller screen.	

		<b>12</b>	Test all door and test panel switches.	
		<b>13</b>	Spare equipment: <input type="checkbox"/> 2-load switches <input type="checkbox"/> 1-2 channel vehicle detector, as specified.	
		<b>14</b>	Cabinet keys: collect all supplied.	
		<b>15</b>	Emergency Vehicle Pre-Emption-City verify working detectors	
		<b>16</b>	Manual test 3M Phase Selector-brings up correct phase and confirmation light	
		<b>17</b>	Duct seal in used cabinet conduits and spare conduits are closed with 2"plugs	
		<b>FEED POINT:</b>		
		<b>18</b>	<input type="checkbox"/> 60 Amp breaker <input type="checkbox"/> Label <input type="checkbox"/> Surge protector <input type="checkbox"/> Locked <input type="checkbox"/> Foundation 12" above grade	
		<b>19</b>	<input type="checkbox"/> Electrical meter /by-pass type	
		<b>20</b>	<input type="checkbox"/> Working slab-per specification	
		<b>SIGNAL STANDARDS:</b>		<b>SIGNAL STANDARD DIRECTION</b>
		<b>21</b>	Traffic signal standard level.	<input type="checkbox"/> NB <input type="checkbox"/> SB <input type="checkbox"/> EB <input type="checkbox"/> WB
		<b>22a.</b>	Vehicle heads Level and Aligned Parallel to oncoming Traffic.	<input type="checkbox"/> NB <input type="checkbox"/> SB <input type="checkbox"/> EB <input type="checkbox"/> WB
		<b>b.</b>	4&5 Section Heads centered on Yellow Ball/Arrows and mast arm capped.	<input type="checkbox"/> NB <input type="checkbox"/> SB <input type="checkbox"/> EB <input type="checkbox"/> WB
		<b>c.</b>	Vehicle Back plates securely fastened with washers.	<input type="checkbox"/> NB <input type="checkbox"/> SB <input type="checkbox"/> EB <input type="checkbox"/> WB
		<b>d.</b>	Pole-side mounted vehicle heads aimed to nearest oncoming vehicle lane 200' from stop bar	<input type="checkbox"/> NB <input type="checkbox"/> SB <input type="checkbox"/> EB <input type="checkbox"/> WB
		<b>e.</b>	Pedestrian heads level and aimed at center of oncoming pedestrian approach	<input type="checkbox"/> NB <input type="checkbox"/> SB <input type="checkbox"/> EB <input type="checkbox"/> WB
		<b>23a.</b>	Opticom Detector tubes pointing in the right direction-WEEP HOLE PUNCHED OUT	<input type="checkbox"/> NB <input type="checkbox"/> SB <input type="checkbox"/> EB <input type="checkbox"/> WB
		<b>b.</b>	Confirmation Light aimed straight ahead and 1 notch down from level.	<input type="checkbox"/> NB <input type="checkbox"/> SB <input type="checkbox"/> EB <input type="checkbox"/> WB
		<b>24</b>	Signal Std. Paint; touch-up bad spots-chips. Follow the spec. notes in the back of the plans.	<input type="checkbox"/> NB <input type="checkbox"/> SB <input type="checkbox"/> EB <input type="checkbox"/> WB
		<b>25</b>	Signal foundation: <input type="checkbox"/> 3" above finished grade <input type="checkbox"/> Forms removed	<input type="checkbox"/> NB <input type="checkbox"/> SB <input type="checkbox"/> EB <input type="checkbox"/> WB
			<input type="checkbox"/> 1 spare 2" conduit <input type="checkbox"/> Grounded <input type="checkbox"/> Rodent Protection <input type="checkbox"/> Duct Seal	<input type="checkbox"/> NB <input type="checkbox"/> SB <input type="checkbox"/> EB <input type="checkbox"/> WB
		<b>26</b>	Signal Standard nuts & T-Base check for tightness as per ND DOT Std. Specification.	<input type="checkbox"/> NB <input type="checkbox"/> SB <input type="checkbox"/> EB <input type="checkbox"/> WB
		<b>27</b>	Cables extend 18" outside of T-base, Cables are spliced according to COF detail with Lever Nuts	<input type="checkbox"/> NB <input type="checkbox"/> SB <input type="checkbox"/> EB <input type="checkbox"/> WB

		<b>28</b>	Mast arm signs level and properly mounted	<input type="checkbox"/> NB <input type="checkbox"/> SB <input type="checkbox"/> EB <input type="checkbox"/> WB
		<b>29</b>	APS push button <input type="checkbox"/> 42" above sidewalk <input type="checkbox"/> Correct Audiable Message	<input type="checkbox"/> NB <input type="checkbox"/> SB <input type="checkbox"/> EB <input type="checkbox"/> WB
			<input type="checkbox"/> Post is level <input type="checkbox"/> Sleeves 3-4" above concrete <input type="checkbox"/> Secure bolt Min of 2" up from Concrete	
		<b>PULL BOXES:</b>		
		<b>30</b>	Cables in pull boxes: pulled through shall extend 18" above cover-spliced wiring shall extend 6 feet above cover.	
		<b>31</b>	Flush in concrete areas-0 to 1" above finish grade in earth areas.	
		<b>32</b>	Loop splice kits: <input type="checkbox"/> Inspect <input type="checkbox"/> No tape in splice kit <input type="checkbox"/> Secured to 1/2" PVC pipe in upper part of pull box	
		<b>OTHER:</b>		
		<b>33</b>	Vehicle loops: <input type="checkbox"/> Contraction joints cut wide <input type="checkbox"/> Loop sealant neatly poured <input type="checkbox"/> 8" spacing of lead-ins	
		<b>34</b>	Excavated areas: properly back filled-seeded and sodded.	
		<b>35</b>	All salvage equipment returned to City of Fargo- Include "Salvaged Equipment Checklist(s)"	
		<b>COMMUNICATION CABLE:</b>		
		<b>36</b>	70' of Slack outside of Tyco Fiber Enclosure and 30' of slack in each pull box.	
		<b>37</b>	Pigtail is secured to fiber distribution panel with a tie wrap.	
		<b>38</b>	Fiber is communicating without fault.	
		<b>39</b>	Label Fiber Cables, Orange Duplex Cables, Trace Wire and Distribution panel	
		<b>40</b>	Termination of all Fiber is within City of Fargo Specifications	
		<b>41</b>	Fiber test reports submitted to City of Fargo	

