

CONTRACTOR'S PRE-INITIAL TRAFFIC SIGNAL INSPECTION CHECK LIST

CONTRACTOR'S PRE-INITIAL INSPECTION DATE:

INITIAL INSPECTION DATE:

FINAL INSPECTION DATE:

FINAL ACCEPTANCE DATE:

IMPROVEMENT DISTRICT/PROJECT:

CONTRACTOR:

INTERSECTION:

INSPECTOR:

SUBSTANTIAL COMPLETION DATE:

FINAL COMPLETION DATE:

SERIAL NUMBERS:

Controller-

Opticom Card-

Conflict monitor-

Contractors	City
Inspector Initials	Check Off

TRAFFIC SIGNAL CABINET:

COMMENTS

- | | | |
|-----------|---|--|
| 1 | Working slab-per specification | |
| 2 | Cabinet: <input type="checkbox"/> Leveled <input type="checkbox"/> Silicone caulked bottom and outside <input type="checkbox"/> 2 spare 2" conduits | |
| 3 | Grounding: ground rod and connections | |
| 4 | Line voltage: 120 volts--Check for Secure Connection | |
| 5 | 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 | |
| 6 | Field wiring: <input type="checkbox"/> Neat-properly terminated <input type="checkbox"/> Machine labeled | |
| 7 | Detector and pre-emption rack label strip: <input type="checkbox"/> 1 1/8" width minimum
<input type="checkbox"/> Aligned with detectors <input type="checkbox"/> Labelled correct | |
| 8 | Modem: Programmable by MARC PC software 19.2K baud or better (if called for). | |
| 9 | EDI conflict monitor- WALK DISABLE switch turn on(UP), all other switches down. Set Minimum Flash to 7 seconds | |
| 10 | Vehicle loop detectors: <input type="checkbox"/> Sensitivity Set to 7 <input type="checkbox"/> Present mode
<input type="checkbox"/> Verify operation to the assigned detector then verify proper call on the controller screen. | |
| 11 | Pedestrian push buttons: operate and verify proper call on the controller screen. | |

		12	Test all door and test panel switches.		
		13	Spare equipment: <input type="checkbox"/> 2-load switches <input type="checkbox"/> 1-2 channel vehicle detector, as specified.		
		14	Cabinet keys: collect all supplied.		
		15	Emergency Vehicle Pre-Emption-City verify working detectors		
		16	Manual test 3M Phase Selector-brings up correct phase and confirmation light		
		17	Duct seal in used cabinet conduits and spare conduits are closed with 2"plugs		
		FEED POINT:			
		18	<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		
			<input type="checkbox"/> Electrical meter /by-pass type		
		SIGNAL STANDARDS:		SIGNAL STANDARD DIRECTION	
		19	Traffic signal standard level.	<input type="checkbox"/> NB <input type="checkbox"/> SB <input type="checkbox"/> EB <input type="checkbox"/> WB	
		20a.	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.	5 Section Cluster Heads centered on Yellow Ball and mast arm capped.	<input type="checkbox"/> NB <input type="checkbox"/> SB <input type="checkbox"/> EB <input type="checkbox"/> WB	
		c.	Vehicle Back plates securely fastened with washers.	<input type="checkbox"/> NB <input type="checkbox"/> SB <input type="checkbox"/> EB <input type="checkbox"/> WB	
		d.	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	
		e.	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	
		21a.	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.	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	
		22	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	
		23	Signal foundation: <input type="checkbox"/> 3" above finished grade <input type="checkbox"/> Forms removed & Terminals Sprayed	<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"/> Wire mesh bottom <input type="checkbox"/> Duct Seal	<input type="checkbox"/> NB <input type="checkbox"/> SB <input type="checkbox"/> EB <input type="checkbox"/> WB	
		24	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	
		25	Cables extend 18" outside of T-base, terminal board labelled and mounted on 3/8" plastic with 2"	<input type="checkbox"/> NB <input type="checkbox"/> SB <input type="checkbox"/> EB <input type="checkbox"/> WB	
			spacing around terminal block, terminal board facing down in T-Base		

		26	Mast arm signs level and properly mounted	<input type="checkbox"/> NB <input type="checkbox"/> SB <input type="checkbox"/> EB <input type="checkbox"/> WB
		27	Pedestrian push button box <input type="checkbox"/> 42" above sidewalk <input type="checkbox"/> 1/4" weep hole drilled in bottom of box	<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 for concrete areas.	
PULL BOXES:				
		28	Cables in pull boxes: pulled through shall extend 18" above cover-spliced wiring	
			shall extend 6 feet above cover.	
		29	Flush in concrete areas-0 to 1" above finish grade in earth areas.	
		30	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	
OTHER:				
		31	Vehicle loops: <input type="checkbox"/> Contraction joints cut wide <input type="checkbox"/> Loop sealant neatly poured <input type="checkbox"/> 3" spacing of lead-ins	
		32	Excavated areas: properly back filled-seeded and sodded.	
		33	Signs: leveled-proper mounting-pedestrian push button signs mounted using	
			factory sign mounting holes only. All signing correct according to plan. Plastic washers used.	
COMMUNICATION CABLE:				
		34	70' of Slack outside of Tyco Fiber Enclosure and 30' of slack in each pull box.	
		35	Pigtail is secured to fiber distribution panel with a tie wrap.	
		36	Fiber is communicating without fault.	
		37	Label Fiber Cables, Orange Duplex Cables, Trace Wire and Distribution panel	
		38	Termination of all Fiber is within City of Fargo Specifications	

