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### Abbreviations:

Standard Spec:	Standard Specifications for Road and Bridge Construction
Min Spec:	Minimum Specification for Traffic Control Signals and Devices
Design Standard:	Roadway and Traffic Design Standards
UCF:	Uniform Flash Code
MOV:	Metal Oxide Varistor
NEC:	National Electric Code



- (2) Loop chart \_\_\_ \_\_\_
- (3) FDOT Certification sticker \_\_\_ \_\_\_
- (4) Controller and monitor manual \_\_\_ \_\_\_
- (5) Cabinet prints \_\_\_ \_\_\_
- (6) Terminal connection tag \_\_\_ \_\_\_
- (7) Copy of submittal data sheet \_\_\_ \_\_\_
- g) Is the peripheral equipment installed consistent with plans and submittals? \_\_\_ \_\_\_
- h) Are all connections secured? \_\_\_ \_\_\_
- i) Are MOV and load resistors installed on field signal and loop terminal strip correctly? \_\_\_ \_\_\_
- j) Is the transient suppressor for service line installed correctly? \_\_\_ \_\_\_
- k) What type of cabinet is installed?  
 (Circle one): Type (1), (2), (3), (4) or (5)  
 (Circle one): (NEMA TS1) (NEMA TS2 Type 1) (NEMA TS2 Type 2) (Type 170/2070)
- l) Is the cabinet base free from honey combing? \_\_\_ \_\_\_
- m) Is the cabinet pad the correct height? \_\_\_ \_\_\_
- n) Has the tech pad been installed? \_\_\_ \_\_\_
- o) Has the cabinet to base connection been secured and sealed properly? \_\_\_ \_\_\_
- p) Are all cables identified in cabinet? \_\_\_ \_\_\_
- q) Does the conduit in the cabinet extend at least 2" above pad? \_\_\_ \_\_\_
- r) Is the correct number of spare conduits supplied? \_\_\_ \_\_\_
- s) Are spare conduits terminated and capped in a pull box? \_\_\_ \_\_\_
- t) Have the cables runs and wiring been secured? \_\_\_ \_\_\_
- u) Does the wiring present a neat and orderly appearance? \_\_\_ \_\_\_
- v) Are all conduits sealed? \_\_\_ \_\_\_
- w) Is the control for the illuminated street name sign installed? \_\_\_ \_\_\_
- x) Is there a separate terminal block for loop splicing? \_\_\_ \_\_\_
- y) Is the cabinet grounded in accordance with Min Spec and Standard Spec Section 620? \_\_\_ \_\_\_
- z) Is the interface panel the correct type and installed properly? \_\_\_ \_\_\_
- aa) Does cabinet contain all equipment called for (load switches, flashers, transfer relays, detector harnesses, etc.) per contract? \_\_\_ \_\_\_
- bb) Are the directions of conduit stub outs marked in the cabinet base? \_\_\_ \_\_\_
- cc) Are the lugs on the field signal wires? \_\_\_ \_\_\_

Additional Comments: \_\_\_\_\_

**3.1) Load Switches:**

Manufacturer: \_\_\_\_\_ Model/Serial #: \_\_\_\_\_ FDOT Certification Number: \_\_\_\_\_

Additional Comments: \_\_\_\_\_

**3.2) Flasher:**

Manufacturer: \_\_\_\_\_ Model/Serial #: \_\_\_\_\_ FDOT Certification Number: \_\_\_\_\_

Additional Comments: \_\_\_\_\_

**3.3) Conflict Monitor/ Malfunction Management Unit:**

YES NO

Manufacturer: \_\_\_\_\_ Model/Serial #: \_\_\_\_\_ FDOT Certification Number: \_\_\_\_\_

- a) Is the FDOT certification sticker attached? \_\_\_ \_\_\_
- b) Does the program card match cabinet prints? \_\_\_ \_\_\_
- c) Are all cables secured? \_\_\_ \_\_\_
- d) Does monitor sense conflict? \_\_\_ \_\_\_
- e) Is time and date correct? \_\_\_ \_\_\_

Additional Comments: \_\_\_\_\_

**4) ELECTRICAL POWER SERVICE ASSEMBLY: (Min Spec and Standard Spec Section 639)**

YES NO

- a) Has the service been to the requirements of the NEC and local codes? \_\_\_ \_\_\_
- b) Does the power feed have the proper clearance above any road or drive way? \_\_\_ \_\_\_
- c) Is the breaker in the load center a greater value than the main in the cabinet? \_\_\_ \_\_\_
- d) Are the service elements secured properly? \_\_\_ \_\_\_
- e) Is the surge suppressor connected correctly? \_\_\_ \_\_\_
- f) What is the voltage at the line side of the meter? \_\_\_ \_\_\_
- g) Have ground rod connections been exothermically attached? \_\_\_ \_\_\_
- h) Is the center of the meter can 5.5' above surrounding grade? \_\_\_ \_\_\_
- i) Is service meter can and load center locked? \_\_\_ \_\_\_
- j) What size wire was used for service? \_\_\_AWG \_\_\_ \_\_\_
- k) Are surfaces free of scratches or damage? \_\_\_ \_\_\_
- l) Is lightning arrestor installed? \_\_\_ \_\_\_
- m) Is the black service neutral wire identified per the NEC? \_\_\_ \_\_\_

- n) Is the conduit supported every 5'? \_\_\_ \_\_\_
- o) Is the conduit terminated with ground and plastic bushings? \_\_\_ \_\_\_
- p) Is the service grounded per FDOT specifications and Design Standard 17736? \_\_\_ \_\_\_
- q) Is the disconnect is 8' from ground? \_\_\_ \_\_\_
- r) Is the weather head is higher than telephone and cable TV, and 1' bellow neutral? \_\_\_ \_\_\_

Additional Comments: \_\_\_\_\_

**5) SIGNAL INSTALLATION GROUNDING: (Min Spec and Standard Spec Section 620)** YES NO

- a) Is all grounding per Standard Index 17736 and FDOT specifications? \_\_\_ \_\_\_
- b) Were exothermic welds used to attach bonding wire to grounding electrode? \_\_\_ \_\_\_
- c) Has the contractor installed the bonding network connecting all poles back to service ground? \_\_\_ \_\_\_
- d) Has the contractor provided ground connection to the pull box cover where required? \_\_\_ \_\_\_
- e) Has the span wires been tied to the pole ground wire? \_\_\_ \_\_\_
- f) Have all pedestrian features been bonded as required? \_\_\_ \_\_\_
- g) Has the drain wire for loop returns been tied to ground? \_\_\_ \_\_\_
- h) Was a sketch showing the location of all ground nodes in intersection provided (see appendix B) \_\_\_ \_\_\_

Additional Comments: \_\_\_\_\_

**6) PULL and JUNCTION BOXES: (Min Spec and Standard Spec Section 635):** YES NO

Manufacturer: \_\_\_\_\_ Model/Serial #: \_\_\_\_\_ FDOT Certification Number: \_\_\_\_\_

- a) Are lids stamped "Traffic Signal" and "20K"? \_\_\_ \_\_\_
- b) If required, has the ground rod been installed? \_\_\_ \_\_\_
- c) Are covers secured to the boxes? \_\_\_ \_\_\_
- d) Where required are covers grounded? \_\_\_ \_\_\_
- e) Has the required amount of pea gravel been installed under box? \_\_\_ \_\_\_
- f) Are all conduits sealed? \_\_\_ \_\_\_
- g) Have boxes been located where required? \_\_\_ \_\_\_
- h) Have the cables in the boxes been labeled? \_\_\_ \_\_\_
- i) Are the boxes flush with surrounding grades? \_\_\_ \_\_\_
- j) Are pull boxes installed per Min Spec and Standard Spec 660 and Design Standard 17721? \_\_\_ \_\_\_
- k) Have the pull boxes been installed per section 635 of special provisions? \_\_\_ \_\_\_
- l) Have the pull boxes been grounded in accordance with Design Standards (Index 17503)? \_\_\_ \_\_\_

Additional Comments: \_\_\_\_\_

<b>7) CONDUIT: (Section 630)</b>	<b>YES</b>	<b>NO</b>
a) Does the conduit comply with the MSTCSD”?	___	___
b) Was conduit installed per plan location?	___	___
c) Does any conduit run have more than 360 degrees of bends?	___	___
d) Was an approved metal conduit used for above ground locations?	___	___
e) Was the underground service feed an approved metal conduit?	___	___
f) Was schedule 80 PVC or fiberglass conduit used on bridge decks?	___	___
g) Was a pull wire installed in all spare conduits?	___	___
h) Was expansion fittings installed on bridge conduit were required?	___	___
i) Was conduit installation in compliance with the NEC?	___	___
j) Was the size of conduit used in compliance with plans and specifications?	___	___
k) Are ends of metal conduit protected by a bushing?	___	___
l) Are all conduits sealed correctly?	___	___
m) Was restoration of the trench in compliance with specifications?	___	___
n) Was all above ground conduit strapped per NEC requirements?	___	___
o) Is the radius of curvature of the inner edge of any bend in compliance with Standard Spec 630-3.10?	___	___
p) Do as-builds reflect any deviations from plan location for the conduit runs?	___	___
q) Was the depth of the conduit in compliance with plans and specifications?	___	___
r) Were directional bores done with approved equipment?	___	___
s) Where underground nonmetal conduit transitions to above ground metallic conduit is there at least 6” of metal conduit underground?	___	___

Additional Comments: \_\_\_\_\_

<b>8) SIGNAL and INTERCONNECT CABLE: (Min Spec and Standard Spec Section 632)</b>	<b>YES</b>	<b>NO</b>
a) Is the cable IMSA certified?	___	___
b) Is the color code correct?	___	___
c) Are all connections tight?	___	___
d) Was a calibrated crimper used to crimp terminals?	___	___
e) Were sufficient conductors supplied for present and future heads?	___	___
f) Was the correct strain relief device used?	___	___
g) Have all unused conductors been secured properly?	___	___

- h) Have all cables been labeled in pole bases, pull boxes and cabinet? \_\_\_ \_\_\_
- i) Has the insulation on any cable or conductor been chaffed? \_\_\_ \_\_\_  
     If so, list location. \_\_\_\_\_
- j) Has sufficient cable been coiled in the cabinet? \_\_\_ \_\_\_
- k) Are required spares been provided for in all signal and pedestrian cables? \_\_\_ \_\_\_
- l) Is there one neutral per approach? \_\_\_ \_\_\_
- m) Has Appendix B been completed in the back of this checklist? \_\_\_ \_\_\_

Additional Comments: \_\_\_\_\_

**9) SIGNAL POLES**

**9.1) Mast Arm:**

YES NO

- a) Is the uprights plumb? \_\_\_ \_\_\_
- b) Is the jam nut installed? \_\_\_ \_\_\_
- c) Are the nut covers installed? \_\_\_ \_\_\_
- d) Is the correct amount of thread exposed above the nut? \_\_\_ \_\_\_
- e) Does the end of the arm fall below the center of the arm at the attachment point? \_\_\_ \_\_\_
- f) Has the correct strain relief for the signal cable been installed? \_\_\_ \_\_\_
- g) Does the upright have a terminal compartment? \_\_\_ \_\_\_
- h) Do the bolts holding the arm to the upright have the correct reveal? \_\_\_ \_\_\_
- i) Have the Astro-brackets been installed properly? \_\_\_ \_\_\_
- j) Is the cable jacket intact inside the bracket? \_\_\_ \_\_\_
- k) Has the grommet been installed in the drilled cable entrance hole? \_\_\_ \_\_\_
- l) Is the head aligned correctly? \_\_\_ \_\_\_
- m) Have all the pole covers been installed? \_\_\_ \_\_\_
- n) Are there any dents or scratches that have not been repaired? \_\_\_ \_\_\_
- o) Has the mast arm been installed in the correct location and have the proper alignment? \_\_\_ \_\_\_
- p) What is the distance from head to stop bar? Min. \_\_\_\_\_ Max \_\_\_\_\_
- q) Is the grout cap installed including drainage? \_\_\_ \_\_\_
- r) Arm securely fastened to pole? \_\_\_ \_\_\_
- s) All holes not used are plugged? \_\_\_ \_\_\_
- t) Has all mast-arm hardware been installed? \_\_\_ \_\_\_
- u) Is mast-arm assembly upright and square to the road? \_\_\_ \_\_\_
- v) Are poles installed per plans and FDOT specifications? \_\_\_ \_\_\_

Additional Comments: \_\_\_\_\_

<b>9.2) Prestressed Concrete Poles: (Standard Spec Section 641)</b>	YES	NO
a) Are poles installed per plans and FDOT specifications?	___	___
b) Were the poles the type and length as specified in the plans?	___	___
c) Was the camber of the pole measured as the maximum deviation between the centerline of the pole and a straight line connecting the centroids of the cross-sections at each end of the pole greater than the total pole length in millimeters divided by 140?	___	___
d) Was the footing constructed per plans and specifications?	___	___
e) Was the excavation for the pole backfilled properly?	___	___
f) If foundation extended above ground level was the concrete troweled to a smooth finish?	___	___
g) Is the orientation of the span wires to the poles perpendicular for single span and perpendicular to a line bisecting the angle between the spans on a two span attachment?	___	___
h) Was the pole raked correctly?	___	___
i) Were all unused holes plugged?	___	___
j) Was the correct number of conduits stubbed out from the base of the poles?	___	___
k) Was the pole bonding wire brought out of the foundation?	___	___

Additional Comments: \_\_\_\_\_

<b>9.3) Steel Strain Pole:</b>	YES	NO
a) Was the pole secured to the foundation properly?	___	___
b) Is the pole free from scratches and defects?	___	___
c) Is the pole cap in place and secured?	___	___
d) Was the proper strain relief provided?	___	___
e) Was all hardware secured correctly?	___	___
f) Was the pole bonded correctly?	___	___

Additional Comments: \_\_\_\_\_

<b>9.4) Signal Pole Foundation:</b>	YES	NO
a) Was the foundation installed in compliance with the drill shaft plan?	___	___
b) Was all slurry removed?	___	___
c) Was the depth and size of the foundation in accordance with plans?	___	___

- d) Was the placement of the steel cage in accordance with plans? \_\_\_ \_\_\_
- e) Was the concrete to steel clearance correct? \_\_\_ \_\_\_
- f) Was the proper number of conduits stubbed out? \_\_\_ \_\_\_
- g) Was the anchor bolt pattern correct? \_\_\_ \_\_\_
- h) Were the anchor bolts the right size and length? \_\_\_ \_\_\_
- i) Did the anchor bolts extend the proper height above the foundation? \_\_\_ \_\_\_
- j) Was the foundation the proper width and depth? \_\_\_ \_\_\_
- k) Did the concrete used conform to the design mix? \_\_\_ \_\_\_
- l) Was the batch time and revolutions for the mix checked? \_\_\_ \_\_\_
- m) Is the foundation grounded per FDOT specifications? \_\_\_ \_\_\_
- n) Is the finish of the foundation top acceptable? \_\_\_ \_\_\_
- o) Does it hold water? \_\_\_ \_\_\_
- p) Even with sidewalk? \_\_\_ \_\_\_

Complete chart below:

POLES	MFG	MATERIAL	TYPE	LENGTH	QUADRANT	**
1						
2						
3						
4						
5						

Additional Comments: \_\_\_\_\_

**10) OVERHEAD EQUIPMENT**

YES NO

- a) Are signals weather-tight (silastic sealant installed per Min Spec A659)? \_\_\_ \_\_\_
- b) Have two ¼” holes been drilled in base of signal head? \_\_\_ \_\_\_
- c) Do 5 section doors open properly (swing outward)? \_\_\_ \_\_\_
- d) Is signal lamp filament in an upright position, forming a “W”? \_\_\_ \_\_\_
- e) Are all lamps the correct wattage? \_\_\_ \_\_\_
- f) Are the signal heads installed per plans? (correct number and location of signals per plans) \_\_\_ \_\_\_
- g) Are signals installed per plans and FDOT specifications (vertical/horizontal and distance from stop bar)? \_\_\_ \_\_\_
- h) What is the distance from head to stop bar? Min. \_\_\_\_\_ Max \_\_\_\_\_

- i) Is at least one head for each approach between 40' and 150'? \_\_\_ \_\_\_
  - j) Is all hardware tight and secure? \_\_\_ \_\_\_
  - k) Have the span wires been tensioned properly? \_\_\_ \_\_\_
  - l) Has the signal cable been attached properly? \_\_\_ \_\_\_
  - m) Are drip loops the correct size and secured properly? \_\_\_ \_\_\_
  - n) Is there at least 8' horizontal separation between heads facing the same direction? \_\_\_ \_\_\_
  - o) Are 1-way signal heads plugged at the bottom section? \_\_\_ \_\_\_
  - p) Are vehicle traffic signal lamps FDOT certified (135 W, 8000 hrs)? \_\_\_ \_\_\_
- Lamp certification number:
- q) Does signal head door swing open properly (downward or out to correct side)? \_\_\_ \_\_\_
  - r) Lock washers installed and nuts tight, inside signal heads on brackets? \_\_\_ \_\_\_
  - s) Lenses installed properly? ("TOP" on top of lens in signal head)? \_\_\_ \_\_\_
  - t) Is Tri-stud serrated adjustable drop hanger installed per manufacturer's data sheets? \_\_\_ \_\_\_
  - u) Does the adjustable drop hangers have the correct overlap and number of bolts (per manufacturer's instructions)? \_\_\_ \_\_\_

Record Signal head heights (Mast Arms)

POLE #	ARM #	1	2	3	4	5	6	7	8

Additional Comments: \_\_\_\_\_

Record Signal head heights (Span Wire)

POLE #	1	2	3	4	5	6	7	8	9	10	11	12

Additional Comments: \_\_\_\_\_

**11) VEHICULAR TRAFFIC SIGNAL ASSEMBLY: (Min Spec and Standard Spec Section 650)**

YES NO

Manufacturer: \_\_\_\_\_ Model/Serial #: \_\_\_\_\_ FDOT Certification Number: \_\_\_\_\_

- a) Is the FDOT certification numbers labels near the terminal block? \_\_\_ \_\_\_
- b) Are the number and location of signals as per the plans? \_\_\_ \_\_\_
- c) Are the signals installed per the plans and FDOT specifications (i.e. vertical/horizontal and distance from stop bar)? \_\_\_ \_\_\_
- d) Are signals within the required minimum and maximum heights per Standard Spec Section 650? \_\_\_ \_\_\_
- e) Are lenses, lamps, and visors installed in proper direction? \_\_\_ \_\_\_
- f) Do horizontally mounted signal head doors open downwards? \_\_\_ \_\_\_
- g) Are all the hardware used made of stainless steel type 304/316? \_\_\_ \_\_\_
- h) Are the Astro Brackets securely fastened with cable tied downs? \_\_\_ \_\_\_
- i) Are all the required conductors terminated with calibrated ratchet type crimp tool? \_\_\_ \_\_\_
- j) Are all the spare conductors individually and properly capped? \_\_\_ \_\_\_
- k) Is the signal head surface free of scratches and dents? \_\_\_ \_\_\_
- l) Disconnect Hanger:
  - 1) Are cable entrance bushings installed in accordance with Min Spec Section A659? \_\_\_ \_\_\_
  - 2) Are unused cable entrances plugged? \_\_\_ \_\_\_
  - 3) Are adaptor hubs tight? \_\_\_ \_\_\_
  - 4) Are nuts tight and lock washers installed on tri-stud bolts? \_\_\_ \_\_\_
  - 5) Are the correct number of disconnects installed per plans? \_\_\_ \_\_\_

- 6) Have all unused conductors in the Jones plug been secured? \_\_\_ \_\_\_
- m) Are cotter pins installed in span wire clamps? \_\_\_ \_\_\_
- n) Are lock washers installed and nuts tight in span wire clamps? \_\_\_ \_\_\_

**12) PEDESTRIAN SIGNAL ASSEMBLY: (Min Spec and Standard Spec Section 653)**

YES NO

Manufacturer: \_\_\_\_\_ Model/Serial #: \_\_\_\_\_ FDOT Certification Number: \_\_\_\_\_

- a) Are the signals not less than 8' from ground and no more than 10'? \_\_\_ \_\_\_
- b) Are the pedestrian signals housing weather proof and doors open downward? \_\_\_ \_\_\_
- c) Are the pedestrian detectors within 1 ½' and 4' from ground as per Standard Spec Section 665-3 and Design Index 17784? \_\_\_ \_\_\_
- d) Is the pedestrian detector and sign pointing in the same direction as the corresponding crosswalk? \_\_\_ \_\_\_
- e) Are ped signal surfaces free from scratches and dents? \_\_\_ \_\_\_
- f) Are FDOT certification stickers provided in accordance with Standard Spec Section 603? \_\_\_ \_\_\_
- g) Are the correct wattage lamps installed? \_\_\_ \_\_\_
- h) Are signals weather-tight? \_\_\_ \_\_\_
- i) Are pedestrian signals installed per Standard Spec Section 665-3 and Design Index 17784?? \_\_\_ \_\_\_
- j) Are pedestrian detectors weather tight (silastic sealant installed around mounting bolts/conduit)? \_\_\_ \_\_\_
- k) Is the pedestal installed per standard index? \_\_\_ \_\_\_
- l) Is the correct number of signals, pedestals, signs, etc, installed per plans? \_\_\_ \_\_\_
- m) Are pedestrian detectors' locations handicap accessible and do they meet ADA requirements? \_\_\_ \_\_\_

**12.1) Pedestrian Features:**

YES NO

- On tight corners are the pedestrian heads located such that the chance of a turning truck striking the head is minimized? \_\_\_ \_\_\_
- Do the indications match plans? \_\_\_ \_\_\_
- Are the pedestrian detectors in compliance with ADA? \_\_\_ \_\_\_
- Do any audio /tactile pedestrian features function correctly? \_\_\_ \_\_\_
- Do the heads line up with crosswalks? \_\_\_ \_\_\_
- Are there three spares in each pedestrian signal cable? \_\_\_ \_\_\_
- Is the pedestrian clearance time sufficient to clear pedestrians? \_\_\_ \_\_\_

Additional Comments: \_\_\_\_\_

**13) VEHICLE DETECTION:**

YES NO

Type of detection: \_\_\_\_\_

Manufacturer: \_\_\_\_\_ Model/Serial #: \_\_\_\_\_ FDOT Certification Number: \_\_\_\_\_

- a) Has the contractor provided the correct documentation?
- b) Do all detector units detect?
- c) Are all loops (or alternate detection device cabling) labeled and attached to the correct terminals?
- d) Are loops (or alternate detection device cabling) labeled in pull boxes and in cabinet as to location and movement number?

**13.1) Inductive Loops:**

- a) Was the slot for the loops and home runs cut to the proper depth per Standard Spec Section 660 and Design Index 17781?
- b) Are there more than 4 home run cables in a saw cut?
- c) Was the window installed correctly?
- d) Was the loop window cut the proper size and sealed properly?
- e) Was the correct wire installed (size and insulation)?
- f) Are the loops to home run connection watertight?
- g) Is there conduit installed from window to pull box?
- h) Loop Sealant: (FDOT Certification number: \_\_\_\_\_) Was the correct sealant used?  
Was the sealant applied per manufacturers requirements?    
Was the excess sealant removed?
- i) Were the drain wires attached?
- j) Is there an individual run for each loop back to the cabinet?
- k) If more than one loop is connected to a detector are they connected in series?
- l) Was this connection of multiple loops done on a separate terminal block in the cabinet?
- m) Are adjacent loops wound in opposite directions?
- n) Was the home run cable the correct size and type?
- o) Were all loop parameters within tolerance?
- p) Has the contractor provided loop data sheet?
- q) Was an inspector present during loop cutting and while ground rod were driven?
- r) Are there any loop leads exposed?
- s) Is the splicing of the loops in accordance with Design Index 17781?
- t) Are the loop lead-in bare wires terminated per contract plans?
- u) Do all loops meet meg-ohms specification requirement?
- v) Is the loop saw cut depth per Standard Spec Section 660 and Design Index 17781?

Additional Comments: \_\_\_\_\_

**13.1.1) Inductive Loop Detector Amplifiers:**

YES NO

- |   |     |     |
|---|-----|-----|
| a) Have the loops been installed according to plans (i.e.; type of loop; location of loop)?   | ___ | ___ |
| b) Has the loop sealant been installed neatly and evenly?   | ___ | ___ |
| c) Has the loop wire been installed as per Standard Spec 660 (i.e.; twisted, shielded, number of turns)?                                    | ___ | ___ |
| d) Has the contractor recorded the inductance meg reading on a FDOT Traffic Signal Resistance Measurement Data Sheet? (if yes, attach copy) | ___ | ___ |
| e) Have the loops/lead-ins been spliced in accordance with Design Index 17781?  | ___ | ___ |
| f) Have lead-in shields been grounded?  | ___ | ___ |

Additional Comments: \_\_\_\_\_



Additional Comments: \_\_\_\_\_

**14) SIGNING:**

YES NO

- a) Were the street name signs installed per plans?
- b) Was the logo and block number correct?
- c) Was a HOA switch installed?
- d) Do the photocells function correctly?
- e) Was a drip loop provided at the cable entry point?
- f) Was the correct cable type used to wire sign?
- g) Do all lamps function in illuminated signs?
- h) Have manufacturer and date stickers been applied to back of signs?
- i) Have wind beams been installed where applicable?
- j) Are sign surface free of scratches or damage?
- k) Is all hardware stainless steel type 304/316?
- l) If used, list internally illuminated street name sign FDOT Certification number: \_\_\_\_\_

Additional Comments: \_\_\_\_\_

**15) PAVEMENT MARKING:**

YES NO

- a) Have markings been installed per plans?
- b) Do new crosswalks line up with ped signals and handicap ramps?
- c) Are stop bars no closer than 40' and no further away than 150' from traffic signals?
- d) Are stop bars laid out properly in relation to vehicle loops?
- e) Have conflicting markings been removed?
- f) Are raised pavement markings installed properly and per plan?
- g) Is general appearance and clean-up acceptable?

Additional Comments: \_\_\_\_\_

**16) SIDEWALK, CURB & GUTTER:**

YES NO

- a) Are ramps in an accessible location?
- b) Is concrete stamped properly (in ramps)?
- c) Is any new concrete cracking?
- d) Has concrete over spray been removed from painted structures, (where applicable)?

- e) Is general appearance and clean-up is acceptable? \_\_\_ \_\_\_
- f) Does new concrete installed match existing concrete (color, finish, etc.)? \_\_\_ \_\_\_

Additional Comments: \_\_\_\_\_

- 17) REMOVAL ITEMS:** **YES NO**
- a) Have all existing foundations been removed entirely or lowered 2' below grade? \_\_\_ \_\_\_
  - b) Have all existing pavement markings and signs in conflicts with new installation been removed? \_\_\_ \_\_\_
  - c) Have all removals involving excavation been restored appropriately? \_\_\_ \_\_\_
  - d) Have all abandoned pull boxes been removed and restored appropriately? \_\_\_ \_\_\_
  - e) Has all clean-up, backfill, dressing, and sod work needed to make a quality job been completed? \_\_\_ \_\_\_

Additional Comments: \_\_\_\_\_

- 18) CERTIFICATION OF TRAFFIC CONTROL SIGNAL DEVICES: (Min Spec and Standard Spec Section 603)** **YES NO**
- a) Are all traffic control signal devices marked in accordance with SSRBC Section 603 (manufacturer name and/or trademark and part number)? \_\_\_ \_\_\_
  - b) Has all traffic control signal devices requiring certification been marked with the FDOT Certification Number in accordance with SSRBC Section 603? \_\_\_ \_\_\_

Additional Comments: \_\_\_\_\_

- 19) SIGNAL TURN ON:** **YES NO**
- a) Measure and record line voltage. \_\_\_\_\_
  - b) Measure and compare voltage at furthestmost indication. \_\_\_\_\_
  - c) Is the voltage between the two readings greater than 5% of line voltage? \_\_\_ \_\_\_
  - d) Does the test button work on the GFI? \_\_\_ \_\_\_
  - e) Verify the field wiring for each movement to insure continuity to the appropriate signal head and record any discrepancies. \_\_\_\_\_
- 
- f) Does police flash operate correctly? \_\_\_ \_\_\_
  - g) Does UCF flash operate correctly? \_\_\_ \_\_\_
  - h) Have all connection been checked to insure they are secured? \_\_\_ \_\_\_

- i) Do light, fan, and thermostat function correctly? \_\_\_ \_\_\_
- j) Are any of the detectors showing a fault or chattering? \_\_\_ \_\_\_
- k) Record time and date of turn on for flash and stop and go. Flash \_\_\_\_\_ Full \_\_\_\_\_
- l) Did the contractor have qualified personnel at turn on who could program the controller and trouble shoot the system? \_\_\_ \_\_\_
- m) Are all heads aimed correctly? \_\_\_ \_\_\_
- n) Do loops call the correct movement? \_\_\_ \_\_\_
- o) Do the pedestrian detectors call correct movement? \_\_\_ \_\_\_
- p) Measure and record the signal head to stop bar distance for each approach.

APPROACH	MIN	MAX

- q) Did the installation function properly at turn on? \_\_\_ \_\_\_
- r) Was signal ready to turn on at the scheduled time? \_\_\_ \_\_\_
- s) Are all cables labeled and neatly arranged? \_\_\_ \_\_\_

Additional Comments: \_\_\_\_\_

**APPENDIX A**

ITEMS	MFG	MODEL #	SERIAL #	TYPE	PHASE
CONTROLLER					
CABINET					
SIGNAL HEADS					
SIGNAL MONITOR					
FLASHER					
COORDINATION UNIT					
PRE-EMPT UNIT					
SIGNAL HEADS					
SIGNAL HEADS (PEDS)					
DISCONNECT HANGER					
DETECTIONS					

VENC\_\_\_\_\_THERMOSTAT\_\_\_\_\_FAN\_\_\_\_\_HANDSWITCH\_\_\_\_\_LINE FILTER\_\_\_\_\_\*\*


SIGNAL HEADS	1	2	3	4	5	6	7	8	9
CLEARANCE HT.									

NOTES \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

## APPENDIX B

### CABLE RUN IDENTIFICATION

Darken Lines Appropriate For Intersection

Draw in Cabinet Location (Symbol: )

Draw in Signal and Ped Heads, with Head Numbers Record all Cable ID (Color or Number) Record

Conductor Size Record Number of Conductors in each Cable

Example: Green or 1-14/12

