

# PREREQUISITES FOR ABOVEGROUND INSPECTION

CHECKLIST TO BE COMPLETED & SUBMITTED PRIOR TO REQUESTING

SIGNAL INSPECTION

INTERSECTION \_\_\_\_\_

PROJECT ID \_\_\_\_\_

CONTRACTOR REPRESENTATIVE \_\_\_\_\_

DOT REPRESENTATIVE \_\_\_\_\_

**CONTR  
YES NO**

**DOT  
YES NO**

**COMMENT**

## GENERAL

|                          |                          |  |                          |                          |  |
|--------------------------|--------------------------|--|--------------------------|--------------------------|--|
| <input type="checkbox"/> | <input type="checkbox"/> | Are the materials stored appropriately at the job site? LED modules facing down?       | <input type="checkbox"/> | <input type="checkbox"/> |  |
| <input type="checkbox"/> | <input type="checkbox"/> | Are all pipe and bolt threads coated with a heavy coating of an approved anti - sieze? | <input type="checkbox"/> | <input type="checkbox"/> |  |
| <input type="checkbox"/> | <input type="checkbox"/> | Are bushings used in all rigid metallic conduit and end bells on non-metallic conduit? | <input type="checkbox"/> | <input type="checkbox"/> |  |
| <input type="checkbox"/> | <input type="checkbox"/> | Have the sonotubes been removed from the base foundation?                              | <input type="checkbox"/> | <input type="checkbox"/> |  |

## POLES AND STANDARDS

|                          |                          |   |                          |                          |  |
|--------------------------|--------------------------|---|--------------------------|--------------------------|--|
| <input type="checkbox"/> | <input type="checkbox"/> | Are the signal pedestal/breakaway bases level on the concrete base?                     | <input type="checkbox"/> | <input type="checkbox"/> |  |
| <input type="checkbox"/> | <input type="checkbox"/> | Are pole caps installed to keep water and snow out of the poles and standards?          | <input type="checkbox"/> | <input type="checkbox"/> |  |
| <input type="checkbox"/> | <input type="checkbox"/> | Is the pole, which holds the arm, of a proper length and type?                          | <input type="checkbox"/> | <input type="checkbox"/> |  |
| <input type="checkbox"/> | <input type="checkbox"/> | Is the arm of a proper length?  | <input type="checkbox"/> | <input type="checkbox"/> |  |
| <input type="checkbox"/> | <input type="checkbox"/> | Are any poles/standard installed too close to overhead high voltage wires?              | <input type="checkbox"/> | <input type="checkbox"/> |  |
| <input type="checkbox"/> | <input type="checkbox"/> | Have form DT2321 and DT2322 for each structure been submitted to DOT project personnel? | <input type="checkbox"/> | <input type="checkbox"/> |  |
| <input type="checkbox"/> | <input type="checkbox"/> | Has the monotube structures been inspected?   | <input type="checkbox"/> | <input type="checkbox"/> |  |
| <input type="checkbox"/> | <input type="checkbox"/> | Are the standard poles tightly screwed to the pedestal bases?                           | <input type="checkbox"/> | <input type="checkbox"/> |  |
| <input type="checkbox"/> | <input type="checkbox"/> | Are tightening of anchor bolt nuts performed per recommended procedure?                 | <input type="checkbox"/> | <input type="checkbox"/> |  |

## CABLE & WIRING

|                          |                          |   |                          |                          |  |
|--------------------------|--------------------------|---|--------------------------|--------------------------|--|
| <input type="checkbox"/> | <input type="checkbox"/> | Is the specified underground multi-conductor cable used?  | <input type="checkbox"/> | <input type="checkbox"/> |  |
| <input type="checkbox"/> | <input type="checkbox"/> | Is the traffic signal cable routed and identified on each end per plan?                                 | <input type="checkbox"/> | <input type="checkbox"/> |  |
| <input type="checkbox"/> | <input type="checkbox"/> | Is the field wiring done in accordance with the plans?  | <input type="checkbox"/> | <input type="checkbox"/> |  |
| <input type="checkbox"/> | <input type="checkbox"/> | Are the pull boxes grounded?  | <input type="checkbox"/> | <input type="checkbox"/> |  |
| <input type="checkbox"/> | <input type="checkbox"/> | Is 18" of signal cable left in the base to connect the feeder conductors to the signal head connectors? | <input type="checkbox"/> | <input type="checkbox"/> |  |
| <input type="checkbox"/> | <input type="checkbox"/> | Is there 10' extra traffic signal cable in each pull box? (Measured 3' above the top of the pull box.)  | <input type="checkbox"/> | <input type="checkbox"/> |  |
| <input type="checkbox"/> | <input type="checkbox"/> | Is the EVP cable identified with the associated plan designation at both ends?                          | <input type="checkbox"/> | <input type="checkbox"/> |  |
| <input type="checkbox"/> | <input type="checkbox"/> | Are spare conductors secured?   | <input type="checkbox"/> | <input type="checkbox"/> |  |
| <input type="checkbox"/> | <input type="checkbox"/> | Are spliced conductors fully insulated?   | <input type="checkbox"/> | <input type="checkbox"/> |  |

CONTR  
YES NO

DOT REP  
YES NO

COMMENT

**SIGNAL HEADS/LUMINAIRES**

|                          |                          |   |                          |                          |  |
|--------------------------|--------------------------|---|--------------------------|--------------------------|--|
| <input type="checkbox"/> | <input type="checkbox"/> | Are the signal head lens configurations in accordance with the signal plan and MUTCD?           | <input type="checkbox"/> | <input type="checkbox"/> |  |
| <input type="checkbox"/> | <input type="checkbox"/> | Are the signal heads mounted on the arm tight enough so it doesn't tilt after it is mounted?    | <input type="checkbox"/> | <input type="checkbox"/> |  |
| <input type="checkbox"/> | <input type="checkbox"/> | Are the signal heads aimed for the best visibility?   | <input type="checkbox"/> | <input type="checkbox"/> |  |
| <input type="checkbox"/> | <input type="checkbox"/> | Are signal heads mounted in a plumb or level manner as required?                                | <input type="checkbox"/> | <input type="checkbox"/> |  |
| <input type="checkbox"/> | <input type="checkbox"/> | Are signal and pedestrian heads mounted with proper clearance above ground level?               | <input type="checkbox"/> | <input type="checkbox"/> |  |
| <input type="checkbox"/> | <input type="checkbox"/> | Are overhead signal heads mounted at the proper height?   | <input type="checkbox"/> | <input type="checkbox"/> |  |
| <input type="checkbox"/> | <input type="checkbox"/> | Are all signal head mounted brackets tight and plumb?   | <input type="checkbox"/> | <input type="checkbox"/> |  |
| <input type="checkbox"/> | <input type="checkbox"/> | Are the signal head lenses mounted in their face bodies in accordance with manufacture's specs? | <input type="checkbox"/> | <input type="checkbox"/> |  |
| <input type="checkbox"/> | <input type="checkbox"/> | Is the LED module orientation arrow in the proper direction?                                    | <input type="checkbox"/> | <input type="checkbox"/> |  |
| <input type="checkbox"/> | <input type="checkbox"/> | Are pedestrian push buttons mounted in the proper location and accessible from sidewalk?        | <input type="checkbox"/> | <input type="checkbox"/> |  |
| <input type="checkbox"/> | <input type="checkbox"/> | Are the luminaires arms in accordance with the plan?  | <input type="checkbox"/> | <input type="checkbox"/> |  |
| <input type="checkbox"/> | <input type="checkbox"/> | Are the luminaires level?   | <input type="checkbox"/> | <input type="checkbox"/> |  |
| <input type="checkbox"/> | <input type="checkbox"/> | Have signals been "rung out"? (Verify all associated indication come on together.)              | <input type="checkbox"/> | <input type="checkbox"/> |  |
| <input type="checkbox"/> | <input type="checkbox"/> | Are excess cable loops secured with tie wraps? (Tape is not allowed.)                           | <input type="checkbox"/> | <input type="checkbox"/> |  |
| <input type="checkbox"/> | <input type="checkbox"/> | Is the luminaire cable looped onto a hook?  | <input type="checkbox"/> | <input type="checkbox"/> |  |

**EVP AND NON-INTRUSIVE DETECTION (VIDEO, RADAR, ETC.)**

|                          |                          |   |                          |                          |  |
|--------------------------|--------------------------|---|--------------------------|--------------------------|--|
| <input type="checkbox"/> | <input type="checkbox"/> | Is the location of the units in accordance with the plans?                          | <input type="checkbox"/> | <input type="checkbox"/> |  |
| <input type="checkbox"/> | <input type="checkbox"/> | Are any variances in plan approved by WISDOT?                                       | <input type="checkbox"/> | <input type="checkbox"/> |  |
| <input type="checkbox"/> | <input type="checkbox"/> | Has the location for EVP heads approved by WISDOT?                                  | <input type="checkbox"/> | <input type="checkbox"/> |  |
| <input type="checkbox"/> | <input type="checkbox"/> | Is the proper cable used and installed per manufacturer specification?              | <input type="checkbox"/> | <input type="checkbox"/> |  |
| <input type="checkbox"/> | <input type="checkbox"/> | Is the appropriate mounting brackets used as stated in the plans and specification? | <input type="checkbox"/> | <input type="checkbox"/> |  |
| <input type="checkbox"/> | <input type="checkbox"/> | Are the units aimed properly?   | <input type="checkbox"/> | <input type="checkbox"/> |  |
| <input type="checkbox"/> | <input type="checkbox"/> | Is the drip loop provided where needed? And secured with UV resistant tie wraps?    | <input type="checkbox"/> | <input type="checkbox"/> |  |
| <input type="checkbox"/> | <input type="checkbox"/> | Are the camera lenses clean?  | <input type="checkbox"/> | <input type="checkbox"/> |  |
| <input type="checkbox"/> | <input type="checkbox"/> | Are the cables properly labled in the cabinet and pole?                             | <input type="checkbox"/> | <input type="checkbox"/> |  |