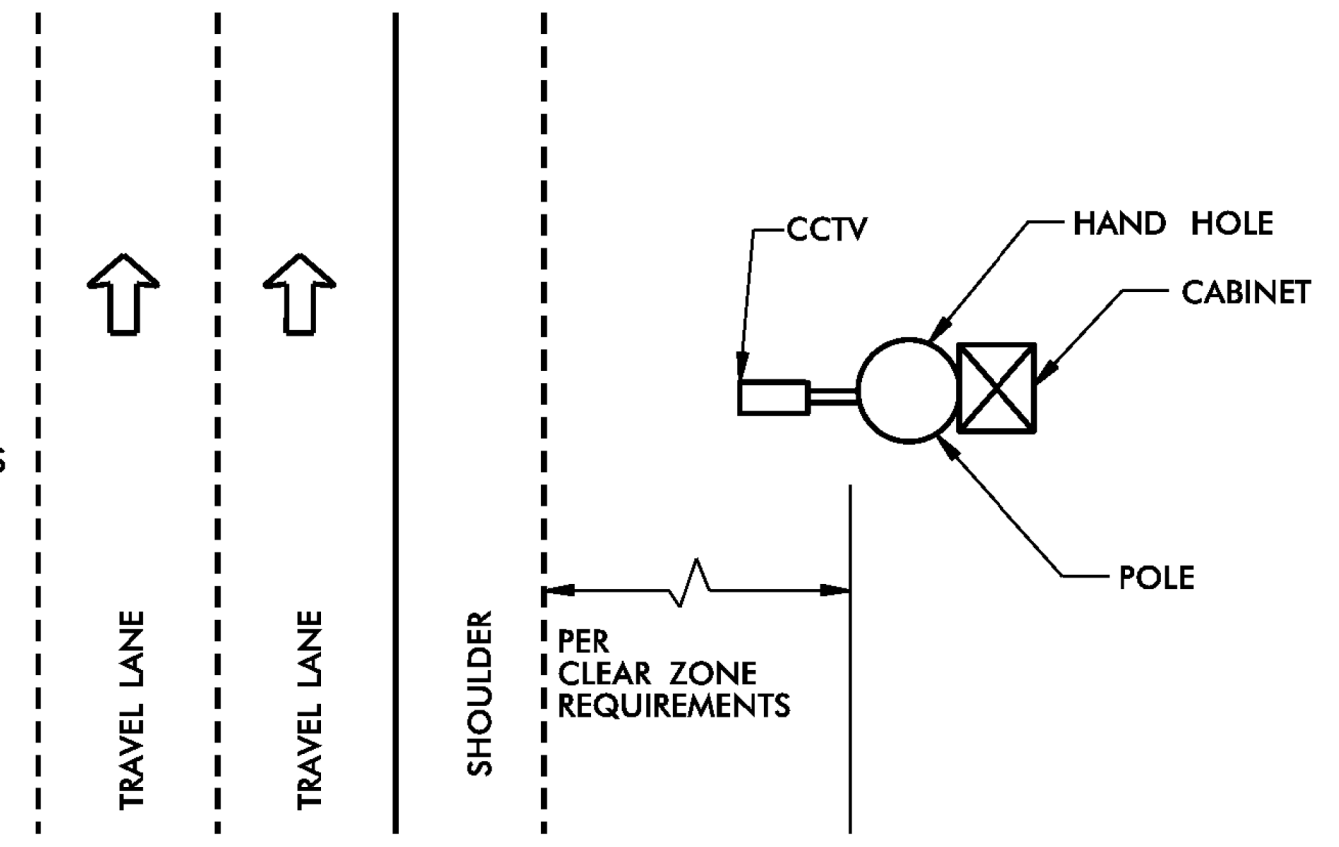


- NOTES**
1. BOND 0.5" DIAMETER, 28 STRAND (MINIMUM) CLASS II COPPER CONDUCTOR TO THE MAIN GROUND ROD BY AN EXOTHERMIC WELD METHOD.
 2. EXOTHERMICALLY WELD ALL CONNECTIONS TO GROUND RODS.
 3. BOND #4 AWG SOLID BARE COPPER WIRE TO REBAR CAGE AND THE MAIN GROUND ROD BY AN EXOTHERMIC WELD METHOD.
 4. ENSURE CAMERA HOUSING, CAMERA, AND PAN-TILT UNIT ARE BONDED TO POLE.
 5. REMOVE BONDING JUMPER BETWEEN EQUIPMENT CABINET GROUND BUS AND NEUTRAL BUS.
 6. THE CONTRACTOR MAY, UPON APPROVAL OF THE ENGINEER, INSTALL A 30-FOOT SECTIONAL GROUND ROD WHEN CONDITIONS WILL NOT ALLOW FOR THE INSTALLATION OF THE 3 - RADIAL GROUND RODS.
 7. INSTALL MARKER TAPE DIRECTLY ABOVE ALL GROUNDING ELECTRODES AND CONDUCTORS AT A DEPTH OF 12".
 8. AIR TERMINAL LENGTH DEPENDS ON LENGTH OF LOWERING DEVICE ARM.
 9. ALL WORK AND NEW EQUIPMENT SHALL BE DESIGNED AND INSTALLED ACCORDING TO THE REQUIREMENTS AND FUNCTIONALITY DESCRIBED IN THE RFP.



ORIENTATION OF DEVICES ON POLE

REVISED 10 /21 /2011

REV. NO.	BY	DATE	DESCRIPTION
1	DLJ	10/7/14	Border content and labeling only
2	DLJ	8/31/16	See Notes

ATKINS 5200 77 Center Drive, Suite 50
Charlotte, North Carolina 28217
(704) 522-7275 NCBEEES #F-0326

ITS STANDARD DETAILS
CCTV
POLE GROUNDING

SCALE: N.T.S.
DATE: August, 2011
DWG. BY: B. Slocum
DESIGN BY: A. Badgett / D. Jones
APPROVED: A. Lelowski

NORTH CAROLINA TURNPIKE AUTHORITY

SHEET NO. **V-3**

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

PLANS PREPARED BY:

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NC LICENSE NO. F-0112 • (919) 878-9560

Prepared for the Offices of:

STATE OF NORTH CAROLINA
Department of Transportation

750 N. Greenfield Place, Garner, NC 27529

SCALE: N/A

NORTH CAROLINA TURNPIKE AUTHORITY
ITS STANDARD DETAIL

DIVISION 05 WAKE COUNTY TOWN OF CARY

PLAN DATE: NOVEMBER 2017 REVIEWED BY: C.B. HOLDEN

PREPARED BY: D.T. SEARS REVIEWED BY:

REVISIONS	INIT.	DATE

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