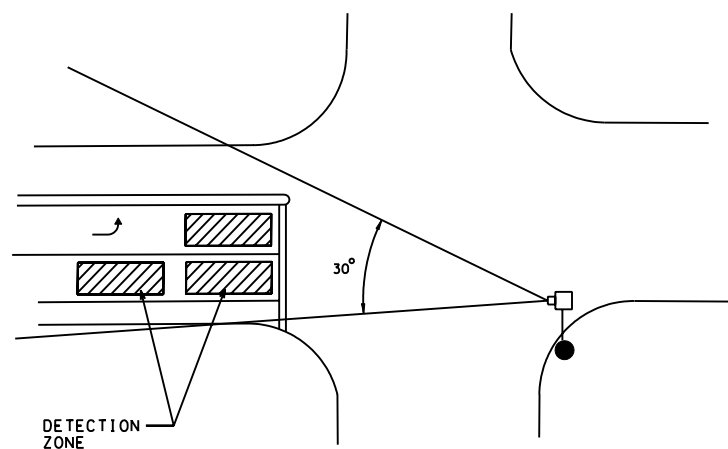
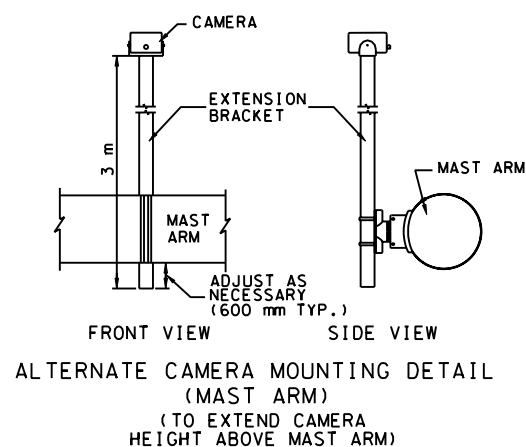
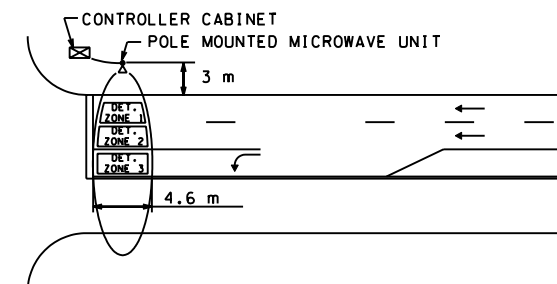


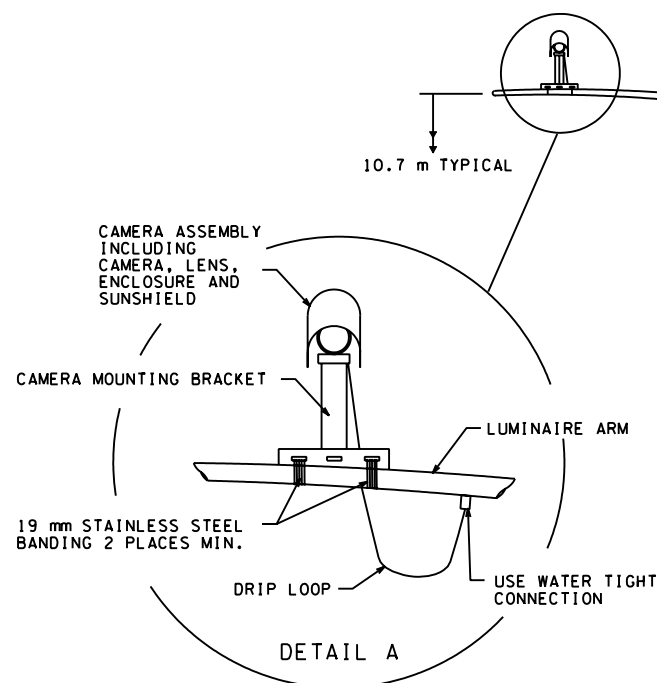


VIDEO DETECTOR PLACEMENT



- MICROWAVE DETECTION NOTES:
1. MICROWAVE DETECTOR MOUNTING HEIGHT 5.2 m TO 7.0 m.
 2. DETECTOR ZONES 1, 2, AND 3 SHOWN ARE DETECTING VEHICLE PRESENCE
 3. SINGLE SIDE FIRED MICROWAVE DETECTOR TO DETECT LEFT TURN AND THROUGH LANES SEPARATELY

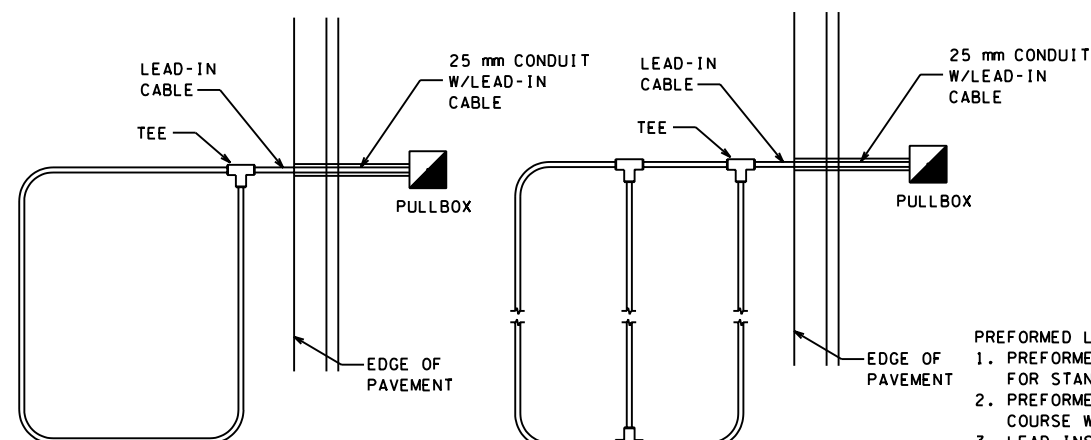
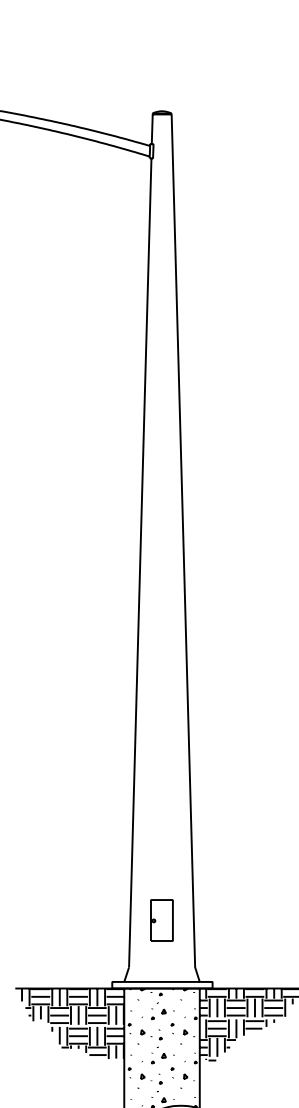
MICROWAVE DETECTOR DETAIL



VIDEO DETECTION NOTES:

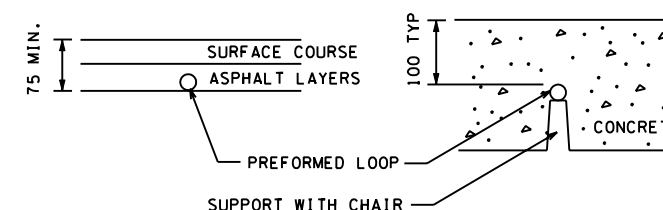
1. VIDEO DETECTOR SHALL BE RIGIDLY MOUNTED.
2. USE 19 mm STAINLESS STEEL BANDING MATERIAL TO HOLD ALL CAMERA MOUNTS.
3. WHEN AIMING CAMERA, HORIZON SHALL NOT BE VISIBLE IN THE FIELD OF VIEW.
4. CAMERA ENCLOSURE ASSEMBLY SHALL BE ROTATABLE AFTER INSTALLATION TO PROVIDE PROPER ALIGNMENT.
5. ALL CABLE ENTRY/EXIT POINTS IN THE POLE SHALL BE WATER TIGHT.
6. CAMERA MOUNTING BRACKETS SHALL BE PINNED IF DIRECTED BY THE ENGINEER.
7. SUNSHIELD SHALL BE EXTENDED UNTIL IT IS IN THE CAMERA FIELD OF VIEW. THE SUNSHIELD SHALL THEN BE RETRACTED UNTIL THE SUNSHIELD LEAVES THE FIELD OF VIEW.
8. A VIDEO CAMERA MANUFACTURE REPRESENTATIVE SHALL BE PRESENT DURING CAMERA INSTALLATION AND SETUP.

VIDEO DETECTION DETAIL

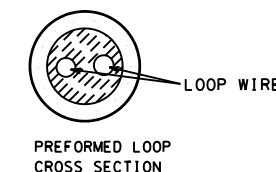


PREFORMED INDUCTIVE LOOP DETAIL

- PREFORMED LOOP NOTES:
1. PREFORMED LOOPS SHALL MEET LAYOUT DIMENSIONS FOR STANDARD INDUCTIVE LOOPS SHOWN ON TM-SG-3.
 2. PREFORMED LOOPS SHALL BE INSTALLED BELOW BINDER COURSE WHERE POSSIBLE.
 3. LEAD-INS SHALL BE FIELD MEASURED PRIOR TO INSTALLATION TO INSURE PROPER LENGTH. NO SPLICING IS ALLOWED.
 4. LOOP SHALL BE LAID OUT BY FIELD MEASURING LOCATION TO ENSURE PLACEMENT IN CENTER OF LANES



PREFORMED INDUCTIVE LOOP INSTALLATION DETAIL
(INSTALL UNDER NEW PAVEMENT)



ALL UNITS ARE IN MILLIMETERS
UNLESS NOTED OTHERWISE.

MINOR REVISION -- FHWA
APPROVAL NOT REQUIRED.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ALTERNATE
DETECTION
DETAILS

7-29-04

TM-SG-3A