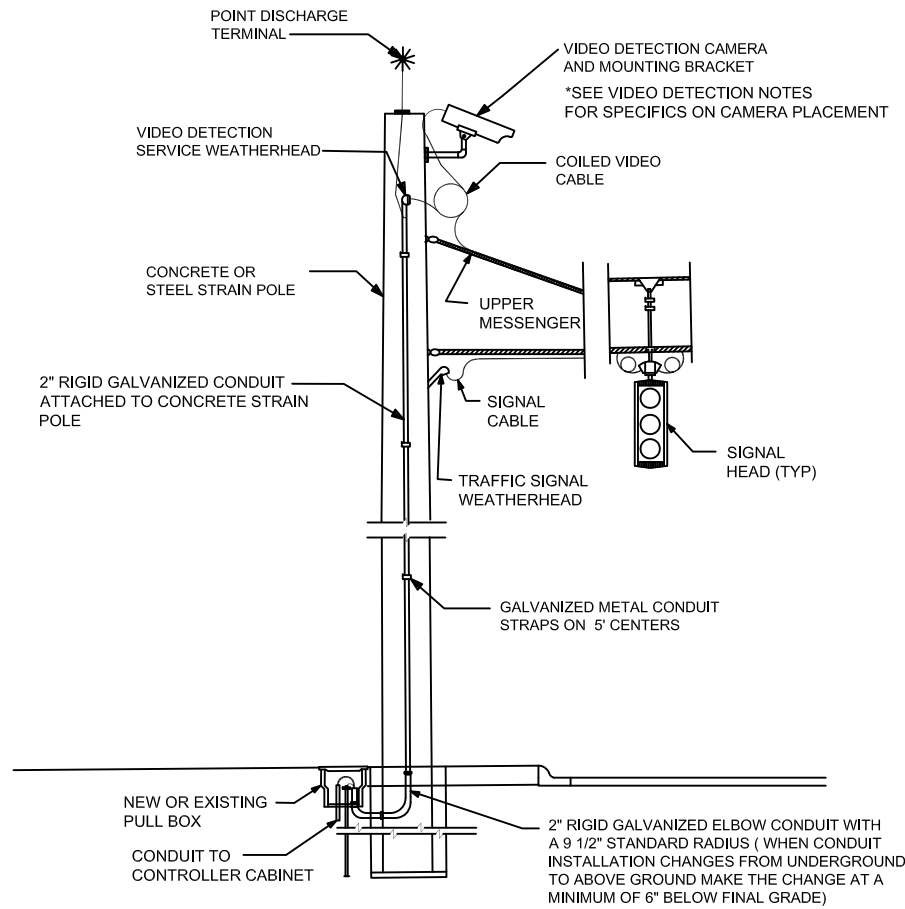
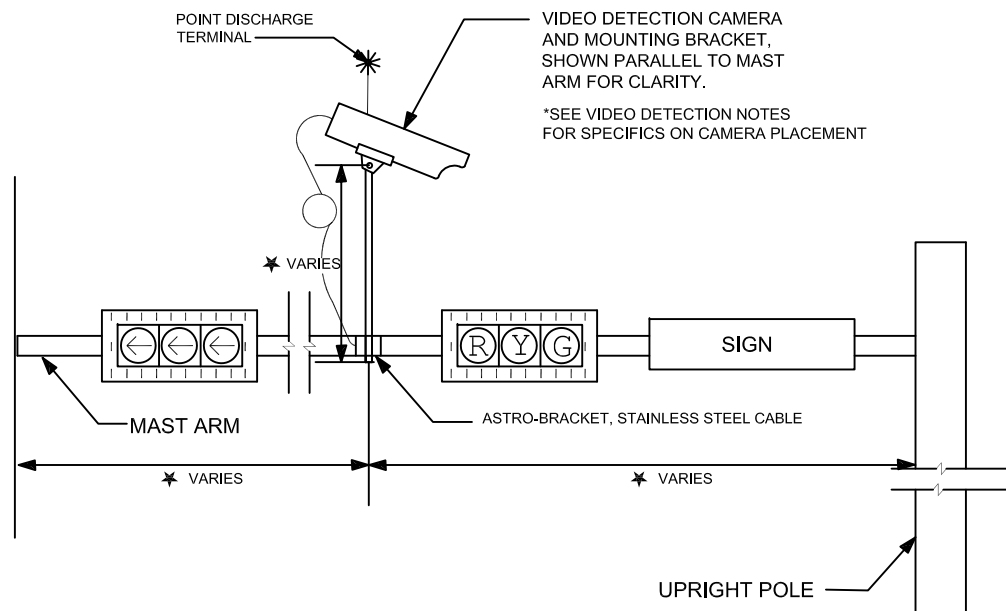


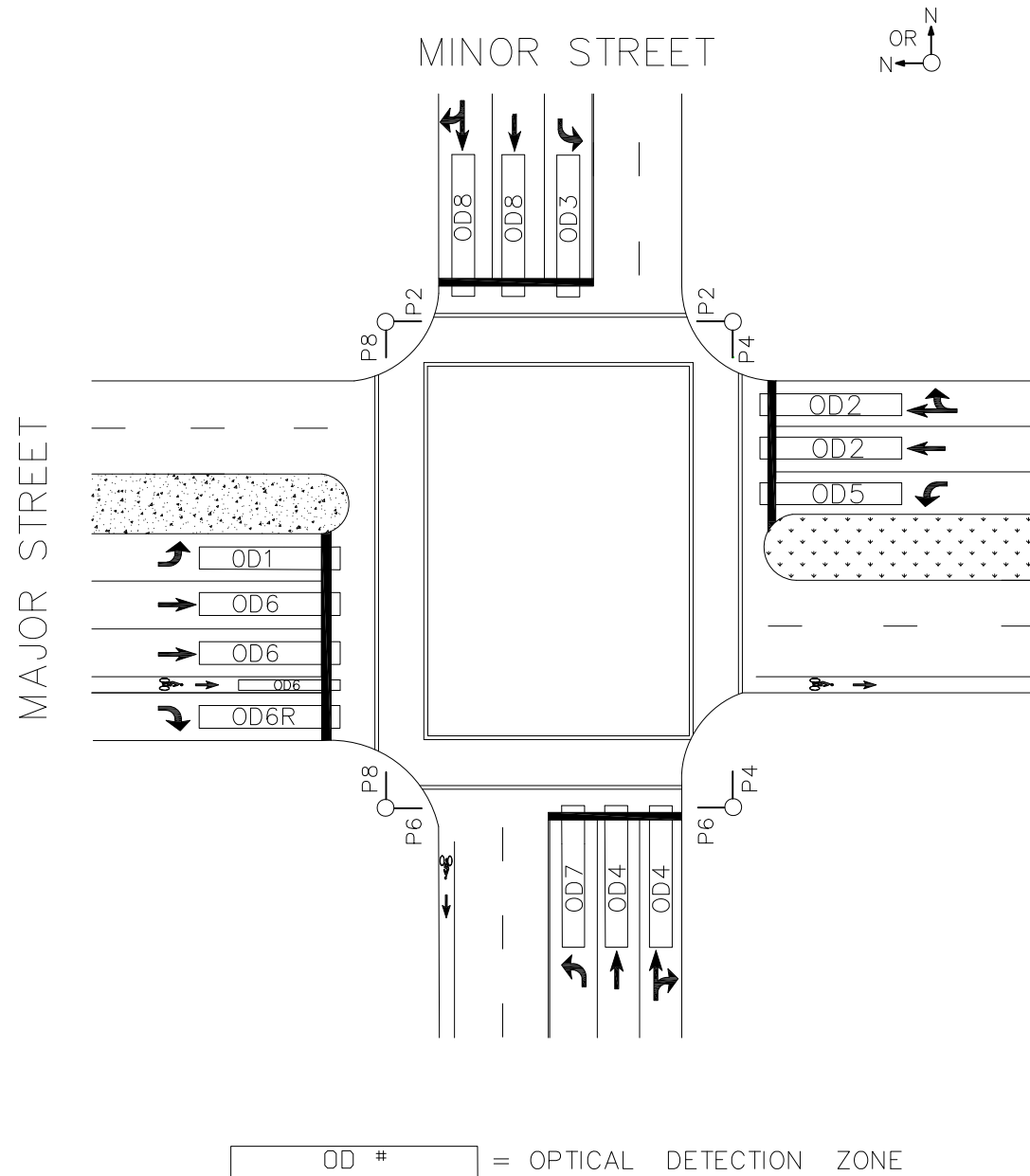
STRAIN POLE VIDEO DETECTOR INSTALLATION DETAIL



MAST ARM VIDEO DETECTOR INSTALLATION DETAIL



VIDEO DETECTION ZONE DETAIL



VIDEO DETECTION NOTES

GENERAL NOTES:

- COUNTY USES OPTICAL CAMERAS FOR VEHICULAR DETECTION. LOOPS MAY BE INSTALLED ONLY WHEN REPLACING DAMAGED LOOPS. LOOPS SHALL BE INSTALLED PER FDOT INDEX 17781 AND SPECIFICATION 660.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO REVIEW THE PLACEMENT OF THE VIDEO IMAGE DETECTION DEVICES AND COORDINATE WITH THE ENGINEER OF RECORD TO DETERMINE THE MOST OPTIMAL LOCATION FOR THE INSTALLATION OF THE VIDEO IMAGE DETECTION DEVICES IN ORDER TO MEET THE PERFORMANCE REQUIREMENTS OF THE TECHNICAL SPECIFICATIONS AS DESCRIBED ON THE BROWARD COUNTY TRAFFIC ENGINEERING DIVISION WEBSITE.
- CONTRACTOR SHALL MAKE THE VIDEO DETECTION SYSTEM OPERATIONAL IMMEDIATELY UPON INSTALLATION, REMOVING THE ASSOCIATED MINOR MOVEMENTS FROM RECALL.

CAMERA INSTALLATION:

- INSTALL PER MANUFACTURERS SPECIFICATION.
- TYPICAL INSTALLATION WILL REQUIRE ONE CAMERA PLACED ON THE LANE LINE BETWEEN THE INBOARD THROUGH LANE AND LEFT TURN LANE.
- APPROACHES WITH MORE THAN 4 LANES REQUIRE TWO CAMERAS PER APPROACH. COUNT BIKE LANES AS 1/2 LANE. WHEN USING TWO CAMERAS, PLACE ONE BETWEEN THE LEFT LANES AND THE OTHER IN A POSITION THAT CENTERS THE CAMERA TO COVER ALL THE THROUGH LANES. THE CAMERA SHALL BE ORIENTED SO THAT THE STOP BAR IS PARALLEL WITH THE BOTTOM OF THE IMAGE.
- THE CAMERA SHALL BE ZOOMED AND FOCUSED TO INCLUDE ALL TRAVEL LANES REQUIRING DETECTION. HORIZON SHALL NOT BE VISIBLE IN THE IMAGE.
- CAMERA TERMINATIONS THAT REQUIRE CABLE SPLICING IN THE FIELD SHALL BE MADE WITH MECHANIC CONNECTORS AND/OR TERMINAL LUGS, NO ELECTRICAL WIRE NUTS WILL BE ALLOWED AS A MEANS OF TERMINATION.
- IMAGE RANGE SHALL INCLUDE 10' AHEAD OF THE STOP BAR AND AT LEAST 50' BEHIND THE STOP BAR.
- AT EXISTING SPAN WIRE INTERSECTIONS, VIDEO CABLE MUST BE SECURELY FASTENED TO MESSENGER OR CANTENARY CABLE USING PROPER SIZED "WRAP LOCK", OR EQUAL (LASHING ROD) - WHITE TIPPED OR RED.
- ALL OSHA CLEARANCE REQUIREMENTS FOR MAINTAINING SAFE DISTANCES TO OVERHEAD ELECTRIC FACILITIES WHILE PERFORMING CAMERA MAINTENANCE SHALL BE ACHIEVED BY CORRECT CAMERA PLACEMENT. CAMERAS SHALL ALSO BE LOCATED AND ANGLED IN RELATION TO THE RISING AND SETTING SUN TO BEST AVOID "SUNBURST" AND "WHITEOUT" EFFECTS DEMONSTRATED ON WET ROADWAYS.
- ALL EXTERIOR VIDEO CABLE FITTINGS SHALL HAVE A WATER AND WEATHER-PROOF BOOT.

VIDEO PROCESSOR PROGRAMMING:

- THE SIGNAL CONTRACTOR SHALL BE RESPONSIBLE FOR INITIAL DETECTION ZONE SET-UP.
- THE VIDEO DETECTION SET-UP WILL BE SUCH THAT NO FALSE CALLS ARE OBSERVED AND THERE ARE NO DROPPED CALLS.
- DETECTION ZONE OUTPUT SHALL BE PROGRAMMED TO CALL APPROPRIATE TIMING PHASES ASSIGNED TO CAMERA APPROACH.
- ONE VIDEO PROCESSOR CARD PER CAMERA.

OPERATIONAL MINIMUM REQUIREMENTS LISTED ABOVE SHALL BE DEMONSTRATED PRIOR TO FINAL ACCEPTANCE OF ANY VIDEO INSTALLATION.

REVISIONS

DATE	DESCRIPTION
01-05-2016	N/A



**PUBLIC WORKS DEPARTMENT
TRAFFIC ENGINEERING DIVISION**

DESIGN BY: REBECCA MARTINEZ, P.E
SCALE: NTS
DRAWN BY: STEPHON RAMOUTAR
CHECKED BY: YVES D'ANJOU, P.E

**VIDEO DETECTION
DETAILS**

**SHEET
NO.**

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