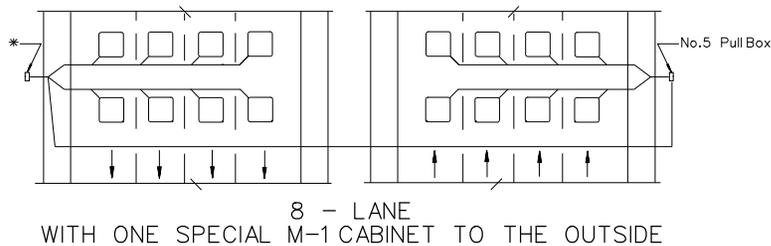
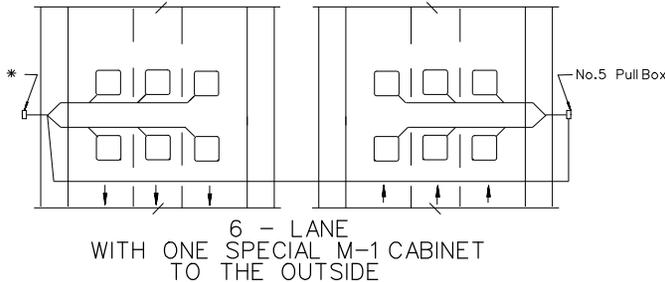


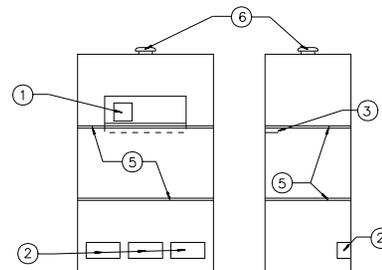
ATR DETECTOR LOOP PLACEMENT DETAIL
OPPOSITE LANE LOOPS NOT SHOWN FOR CLARITY



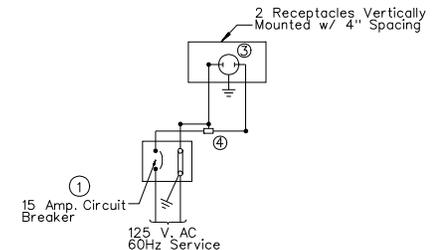
- NOTES:**
- ALL LOOPS SHALL BE 6'x 6' SQUARE WITH 4 TURNS OF WIRE OR, ALL LOOPS SHALL BE 6' ROUND LOOPS WITH 4 TURNS OF WIRE.
 - LOOP WIRE PAIRS FROM LOOP PROPER TO NO. 5 PULL BOX OR SPECIAL M-1 CABINET SHALL BE TWISTED NO LESS THAN FOUR TIMES PER FOOT.
 - LOOP WIRE PAIRS SHALL BE TWISTED NO LESS THAN FOUR TIMES PER FOOT FOR THE ENTIRE HOME RUN.
 - LOOP CUTS SHALL BE 3/8" WIDE x 2 1/2"-3" MAXIMUM DEPTH.
 - LOOPS SHALL BE CENTERED IN ALL TRAVEL AND TURN LANES.
 - LOOP WIRE SHALL BE AWG 14 STRANDED IMSA-51-1.
 - EACH INDIVIDUAL CONDUCTOR SHALL BE A CONTINUOUS RUN WITH NO SPLICES AND SHALL BE LABELED AT EACH END WITH THE LANE ASSIGNMENT.
 - IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO ASCERTAIN THAT THE LOOP PLACEMENT IS NOT IN CONFLICT WITH OTHER ITEMS OF WORK.
 - FIVE WORKING DAYS** PRIOR TO PLACEMENT OF LOOP DETECTORS, THE RESIDENT ENGINEER SHALL NOTIFY THE TRAFFIC SECTION OF THE PLANNING DIVISION (888-7155) FOR ASSISTANCE IN ESTABLISHING THE EXACT LOCATION.
 - DETECTORS SHALL BE INSTALLED AFTER DENSE GRADE PAVING OR PROFILE GRADE IS ESTABLISHED.
 - LOOP LOCATION SHALL BE MARKED ON THE EDGE OF THE PAVEMENT BY PAINTING THE WORD "LOOP" IN WHITE.
 - FOR DIAGONAL SLOT AT CORNERS DETAIL SEE STANDARD SHEET. T-30-1.4.
 - FOR SPECIAL M-1 CABINET ONLY - IN CONFORMANCE WITH NATIONAL ELECTRIC CODE 250-56, WHEN THE GROUNDING PLATE DOES NOT HAVE A RESISTANCE TO GROUND OF 25 OHMS OR LESS, IT SHALL BE AUGMENTED BY ONE ADDITIONAL ELECTRODE PREFERABLY A 1/2" x 96" COPPER GROUND ROD.
 - IF GUARDRAIL/BARRIER RAIL IS PROVIDED, THE CABINET SHALL BE PLACED A MINIMUM OF 24" BEHIND RAIL.
 - SEE STANDARD SHEET T-30-1.4.1 FOR PAVEMENT JOINT DETAILS.
 - PAYMENT WILL BE MADE UNDER THE FOLLOWING ITEMS:
SPECIAL CABINET (EACH) SPECIAL M-1 CABINET (EACH)
NO. 5 PULL BOX (EACH) 4" DIA. CONDUIT (LINFT)
6' x 6' LOOPS (EACH)

LEGEND:

- * Special M-1 Cabinet
- ① Main Switch
- ② Field Wire Terminal Blocks
- ③ N.E.M.A. Standard Plug Receptacle With Grounding Contact
- ④ Radio Interference Suppressor
- ⑤ Shelf
- ⑥ Thermostat-Controlled Fan With T-Vent



SPECIAL M-1 CABINET
SEE SHEET T-30.1.5 FOR ADDITIONAL DETAILS



CABINET WIRING

NEVADA DEPARTMENT OF TRANSPORTATION

ATR DETECTOR LOOP
CONFIGURATION AND NOTES

Signed Original On File T-30.1.4.4 (623)
CHIEF SAFETY/TRAFFIC ENGR. ADAPTED 10/98 REVISION 3/09