LIGHT POLE (BY OTHERS)

MEDIAN MOUNTED 50' ALUMINUM HANDHOLE

TO WIM CONTROLLER CABINET

2" CNC CONDUIT HANDHOLE

RECOMMENDATIONS PER MANUFACTURER

POLE MOUNT BRACKET

SHOULDER SURGE ARRESTOR

RECOMMENDATIONS PER MANUFACTURER

POLE MOUNT BRACKET ATTACHED TO HOOK WITH GRIP HOIST J-HOOK ASSEMBLY

POLE TOP CAP TO WIM CONTROLLER CABINET

LANES

STAINLESS STEEL WIRE CLOTH (JT830048)

INTERNAL VIBRATION DAMPER FACTORY ASSEMBLED COMPLETE WITH WALL, 15" BOLT CIRCLE, NON-BOLTED SHAFT TAPER, 10 GAUGE (0.1345 IN)

22.5' GALVANIZED STEEL POLE 8"x4"

NOTE TO DESIGNER

DATE

NOTE:

IP CAMERA DETAILS

WEIGH-IN-MOTION BARRIER WALL

MEDIAN

ILLINOIS TOLLWAY STANDARD DRAWINGS

15" BOLT CIRCLE (JT836018) PER METAL HELIX FOUNDATION WITH SHEET INTO THE PLAN SET. REMOVED BY THE DESIGNER PRIOR TO INSERTION OF THE CONTRACT. ALL "NOTE TO DESIGNER" BOXES SHALL BE OF THIS SHEET UPON ITS COMPLETION AND INSERTION INTO A DESIGNER SHALL ACCEPT THE RESPONSIBILITY OF THE DESIGN REQUIREMENTS TO PROVIDE FULL ENFORCEMENT COVERAGE OF IN ACCORDANCE WITH THE WEIGH-IN-MOTION MANUFACTURER THE NUMBER OF CAMERAS AND ASSOCIATED CABLING SHALL BE 1.

3-31-2017

(SEE NOTE 1)

WALL TO PREVENT DAMAGE FROM VEHICLES) (SEE NOTE 1)

(2) 3" CNC CONDUIT (SCH. 80)

(1) 3/C POWER CABLE

(1) CAT6 ETHERNET CABLE

(SEE NOTE 1)

(1) 3/C POWER CABLE

(1) CAT6 ETHERNET CABLE

(SEE DETAIL ON JUNCTION BOX STAINLESS STEEL)

(SEE NOTE 1)

SIDE VIEW FIXED IP CAMERA

SIDE VIEW FIXED IP CAMERA

M-ITS-1601
LOOPT DETECTOR SPLICE DETAIL

1. PREFORMED LOOP DETECTOR CABLE ASSEMBLY
2. LOOP DETECTOR SPLICE DETAIL
3. LOOP DETECTOR SPLICE DETAIL
4. LOOP DETECTOR SPLICE DETAIL
5. LOOP DETECTOR SPLICE DETAIL
6. LOOP DETECTOR SPLICE DETAIL
7. LOOP DETECTOR SPLICE DETAIL

NOTES:
1. PREFORMED DETECTOR LOOPS SHALL BE USED, AS SHOWN ON THE DRAWING, WITH NEW CONCRETE PAVEMENT. SPECIFICATIONS AND MANUFACTURER RECOMMENDATIONS ARE AVAILABLE ON THE ILLINOIS TOLLWAY WEBSITE. THE DESIGNER PRIOR TO INSERTION INTO A CONTRACT.
2. FOLLOW LOOP DETECTOR MANUFACTURER'S RECOMMENDATIONS FOR MINIMUM SEPARATION DISTANCE FROM REBAR MATS. USE
3. INSTALLATION SHALL BE ACCORDING TO THE STANDARD SPECIFICATIONS AND MANUFACTURER RECOMMENDATIONS. INSTALLATION SHALL BE ACCORDING TO THE PLANS, SINCE NEW CONCRETE PAVEMENT IS PROPOSED.
4. PREFORMED DETECTOR LOOPS SHALL BE USED, AS SHOWN ON THE DRAWING.

LOOPEAD-IN CABLE TAG

NOTE TO DESIGNER

THIS BASE SHEET SHOWS TYPICAL NEW CONSTRUCTION BUT IT IS NOT A STANDARD DRAWING. IT REQUIRES COMPLETION BY THE DESIGNER PRIOR TO INSERTION INTO A CONTRACT. NOTATION FILES AND THE "CADD STANDARDS MANUAL" ARE AVAILABLE ON THE ILLINOIS TOLLWAY WEBSITE. THE DESIGNER PRIOR TO INSERTION INTO A CONTRACT.

M-ITS-1602
WEIGH-IN-MOTION LOOP DETECTOR DETAILS
3-31-2017
NOTE TO DESIGNER

DESIGNER SHALL CONSIDER CONSTRUCTION OF CONCRETE SHOULDER LIMITS WITH THE LOCATION OF WIM DETECTOR HOUSINGS AND LOOP DETECTOR ALTERNATE LOOP CUTS ACCORDINGLY AND UPDATE THIS BASE DRAWING AS NECESSARY TO REFLECT THE SMALLEST CONSTRUCTION SHOWN IN THE ROADWAY PLANS.

NOTE TO DESIGNER

THE DESIGNER SHALL COORDINATE CONSTRUCTION OF CONCRETE HOUSINGS AND LOOP DETECTOR LEAD-IN/LOOP CUTS AS SHOWN IN THE ROADWAY PLANS.

GENERAL NOTES:

1. ALL QUARTZ LEADS MUST INCLUDE A GROUND WIRE AS REQUIRED BY QUARTZ SENSOR MANUFACTURER.
2. CONCRETE SHOULDER LIMITS WITHIN WEIGH-IN-MOTION SITE SHALL EXTEND TO A FL. MINIMUM DETECTOR HOUSING OR LOOP DETECTOR LEAD-IN/CLIPS IN SHOULDER AS SHOWN.
3. CONCRETE SHOULDER LIMITS FOR MICROSTATION FILES AND THE "CADD STANDARDS MANUAL" ARE AVAILABLE ON THE ILLINOIS TOLLWAY WEBSITE.

NOTE TO DESIGNER

THIS BASE SHEET SHOWS TYPICAL NEW CONSTRUCTION BUT IT IS NOT A STANDARD DRAWING. IT REQUIRES COMPLETION BY THE DESIGNER PRIOR TO INSERTION INTO A CONTRACT.

NOTE TO DESIGNER

CAMERAS SHALL BE IDEALLY LOCATED 25 FT. OFFSET FROM THE LEADING EDGE OF THE TRIGGER LOOP. DESIGNER SHALL EVALUATE AND FINAL DESIGN CAMERA LOCATIONS.

NOTE TO DESIGNER

DETECTOR LOOP INSTALLATION AS RECOMMENDED BY THE MANUFACTURER.

NOTE TO DESIGNER

ALL QUARTZ LEADS SHALL INCLUDE A GROUND WIRE AS REQUIRED BY QUARTZ SENSOR MANUFACTURER.

NOTE TO DESIGNER

CABLES IN PAVEMENT SAW CUTS MUST BE PROTECTED BY PVC SLEEVES WHERE THEY CROSS PAVEMENT CONSTRUCTION.

NOTE TO DESIGNER

ALL CONDUIT LEAD-IN SPLICES MUST BE MADE IN PULL BOXES OR HAND HOLES.

NOTE TO DESIGNER

ALL LOOP LEAD-IN SPLICES MUST BE MADE IN PULL BOXES OR HAND HOLES.

NOTE TO DESIGNER

ROAD SURFACE PAVEMENT CONDITIONS MUST MEET CURRENT ASTM E1318 REQUIREMENTS TO ACHIEVE OPTIMAL SYSTEM PERFORMANCE.

NOTE TO DESIGNER

WHERE THEY CROSS PAVEMENT JOINTS/CRACKS.

NOTE TO DESIGNER

ALL CONNECTIONS BETWEEN LOOP AND LEAD CABLES ARE DONE IN PULL BOX AND ARE COVERED WITH TAPES FOR WATERPROOFING, NUMBERING AND REPLACEMENT OF FULL BOXES NOT SHOWN.

NOTE TO DESIGNER

ROAD SURFACE PAVEMENT CONDITIONS MUST MEET CURRENT ASTM E1318 REQUIREMENTS TO ACHIEVE OPTIMAL SYSTEM PERFORMANCE.

NOTE TO DESIGNER

CONTROLLED HOUSING AND LOOP DETECTOR LEAD-IN/LOOP CUTS IN SHOULDER AS SHOWN.
NOTE:
1. SEE STANDARD DRAWING M-WIM-1707 FOR DETECTOR HOUSING DETAIL.

CROSS SECTION OF HOUSING ADAPTER

NOTE TO DESIGNER
THIS BASE SHEET SHOWS TYPICAL NEW CONSTRUCTION DETAIL TO BE USED IN OTHER DRAWINGS. IT IS NOT A STANDARD DRAWING. IT REQUIRES COMPLETION BY THE DESIGNER PRIOR TO INSERTION INTO A CONTRACT, MICROSTATION FILES AND THE "CADD STANDARDS MANUAL" ARE AVAILABLE ON THE ILLINOIS TOLLWAY WEBSITE. THE DESIGNER SHALL ACCEPT THE RESPONSIBILITY OF THE DESIGN OF THIS SHEET UPON ITS COMPLETION AND INSERTION INTO A CONTRACT. ALL NOTE TO DESIGNER BOXES SHALL BE REMOVED BY THE DESIGNER PRIOR TO INSERTION INTO THE CONTRACT.
NOTE TO DESIGNER

 THIS SHEET SHOWS TYPICAL NEW CONSTRUCTION BUT IT IS NOT A STANDARD DRAWING. IT REQUIRED COMPLETION BY THE DESIGNER PRIOR TO INSERTION INTO A CONTRACT. MICROSTATION FILES AND THE "CAD STANDARDS MANUAL" ARE AVAILABLE ON THE ILLINOIS TOLLWAY WEBSITE. THE DESIGNER MUST ACCEPT THE RESPONSIBILITY OF THE DESIGN OF THIS SHEET UPON ITS COMPLETION AND INSERTION INTO A CONTRACT. ALL "NOTE TO DESIGNER" BOXES MUST BE REMOVED BY THE DESIGNER PRIOR TO INSERTION OF THE SHEET INTO THE PLAN SET.

NOTES:

1. THE JUNCTION BOX SHALL BE ACCESS FROM THE TOP OF MEDIAN BARRIER.
2. DUCT SHALL BE CUT AND REMOVED AT JUNCTION BOX CONDUIT OPENINGS AND INSIDE BOX. ELECTRICAL CONDUITS SHALL PROVIDE ½" INTO BOX.
3. CONTRACTOR SHALL INSTALL 1" PVC PIPE TO DRAIN JUNCTION BOX TO AGGREGATE SUBGRADE.

PLAN VIEW

SIDE VIEW

TOP VIEW

SECTION A-A

SECTION B-B

FILLER. (TYPICAL) PREFORMED FIBER JOINT 1" EXPANSION JOINT WITH SIDE VIEW

PLAN VIEW

SECTION A-A

SECTION B-B

FILLER. (TYPICAL) PREFORMED FIBER JOINT 1" EXPANSION JOINT WITH