WIRELESS VEHICLE SENSOR NODE
TYPICAL SITE PLAN DESIGN

**Notes:**
- Place vehicle sensor with proper mounting in direction of travel.
- Paint cover to be approximately 4" in diameter and 1/2" deep in the pavement.
- Hole must be filled with appropriate flexible sealant as recommended by manufacturer.

**Typical Wireless Vehicle Sensor Node Details**

**Miscellaneous Details**

[Diagram showing sensor node installation and measurement details]
TYPICAL SIGN DETAIL
NOT TO SCALE
NOTES:
The Wireless Vehicle Sensor Nodes must be placed as shown in the inset. The maximum allowable distance between the detector and access point is 175'. The contractor shall hand dig in the vicinity of the existing utilities to ensure no damage is done to existing utilities.

Sign Type IIB at US-31 shall be a 36 inch diamond shaped sign and a 36 inch by 24 inch rectangular shaped sign as shown on the sign detail sheet.

CONSTRUCTION SHEET
NOTE:

WIRELESS VEHICLE SENSOR NODE
TYPICAL SITE PLAN DESIGN

NOTES:

PLACE VEHICLE SENSOR WITH APPEAR MOUNTING IN DIRECTION OF TRAVEL.

PAYMENT (2) TO BE APPROXIMATELY 4" IN DIAMETER AND 1-1/2" DEEP IN THE OPENING.

HOLE MUST BE FILLED WITH APPROPRIATE SEALANT AS RECOMMENDED BY MANUFACTURER.
AIR TERMINAL ON WOOD POLE (TOP VIEW)  

AIR TERMINAL (SIDE VIEW)
WATCH FOR CROSS TRAFFIC

TYPICAL SIGN DETAIL

MISCELLANEOUS DETAILS
## WATER & SEWER SYMBOLS
- **EXISTING SANITARY CATCH BASIN**
- **EXISTING STORM CATCH BASIN**
- **EXISTING SANITARY SEWER MAIN**
- **EXISTING STORM SEWER MAIN**
- **EXISTING MAIN - UNIVERSAL**
- **EXISTING MAIN - LEFT END SECTION**
- **EXISTING MAIN - RIGHT END SECTION**
- **EXISTING HEALpen**
- **EXISTING HEALpen**
- **WATER SERVICE BOX**
- **WATER VALVE BOX**
- **WATER METER**
- **WATER WELL - GROUND WATER MONITORING WELL**
- **EXISTING FIRE HYDRANT**
- **PROPOSED FIRE HYDRANT**
- **FIRE HYDRANT**
- **FIRE HYDRANT**
- **TREE**
- **FIREPLAR**
- **SIGN**
- **STOP**
- **SUMP**

## UTILITIES SYMBOLS
- **POWER POLE**
- **GUY WIRE**
- **LIGHT POLE**
- **LIGHT STANDARD**
- **PHONE & LIGHT POLE**
- **PHONE & TELEPHONE POLE**
- **TELEPHONE POLE**
- **TELEPHONE FEEDER**
- **WALL MOUNTED SIGNS**
- **GAS LINE MAIN**
- **GAS VALVE**
- **GAS FILLER PIPE**
- **GAS WELL**
- **OIL WELL**
- **PETROLEUM WELD**
- **FIBER OPTIC WELD**
- **TELEPHONE SERVICE**
- **POWER SERVICE**
- **PHONE & ELECTRIC WELD**
- **ELECTRIC TRANSFORMER**
- **PHONE & ELECTRIC TRANSFORMER**
- **PHONE & ELECTRIC TRANSFORMER**
- **PHONE & ELECTRIC TRANSFORMER**
- **PHONE & ELECTRIC TRANSFORMER**
- **PHONE & ELECTRIC TRANSFORMER**

## UNDERGROUND UTILITY LINES
- **ELECTRICAL LINE**
- **GAS LINE**
- **OIL LINE**
- **TELEPHONE LINE**
- **WATER LINE**
- **CABLE TV**
- **FIBER OPTICS**

## ABOVE GROUND UTILITY LINES
- **POWER TRANSMISSION LINE**

## R.O.W. LINES
- **EX. LIMITED ACCESS R.O.W.**
- **PROP LIMITED ACCESS R.O.W.**
- **PROP R.O.W.**

## TYPICAL LINES
- **HEAVE LINE**
- **TREE LINE**
- **EXISTING FENCE**
- **PROPOSED FENCE**
- **EXISTING SEWER MAIN**
- **PROPOSED SEWER MAIN**
- **EXISTING MAIN - LEFT END SECTION**
- **EXISTING MAIN - RIGHT END SECTION**
- **EXISTING FIRE HYDRANT**
- **EXISTING FIRE HYDRANT**
- **EXISTING SUMP**

## MISCELLANEOUS SYMBOLS
- **ABOKE CHASEMENT**
- **ABOKE FILLER PIPE**
- **ABOKE MAIN - LEFT END SECTION**
- **ABOKE MAIN - RIGHT END SECTION**
- **RELOCATE - BY OTHERS**

## TYPICAL CROSS SECTION LEGEND
- **REMOVAL OF FENCING, GUTTER, & DOWNSPOUT**
- **CRUSH & SHAPE & FILLER**
- **SILT MILLING**
- **HILL TIP COURSE & BERM**
- **HILL LEVELING COURSE**
- **HILL THIN COURSE & BERM**
- **ACCELESE & SMERSE, SELLER & VALLEY GUTTER, CONCRETE FURNACE & SHOULDER**

## PLAN SHEET DRIVEWAY & Misc PAVEMENTS LEGEND
- **COMPLETE DRIVEWAY**
- **LINE SHEET**
- **HIA APPROACH DRIVEWAY**
- **AGGREGATE DRIVEWAY**
- **MISC CONCRETE PAVEMENT**

## PLAN SHEET REMOVAL LEGEND
- **REMOVING HIA**
- **REMOVING SIDEWALK**
- **REMOVING PAVEMENT**
- **SILT MILLING HIA**
- **HIA BASE CRUSH & SHAPE**
- **REMOVING CURB, GUTTER, & FILLER**
- **REMOVING CURB & GUTTER**
- **REMOVING CURB**
- **REMOVING CURB**
- **REMOVING CURB**
- **REMOVING CURB**
- **REMOVING CURB**
- **REMOVING CURB**

## LEGEND SHEET

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NOTES:
The Wireless Vehicle Sensor Nodes must be placed as shown above in the inset. The maximum allowable distance between the detector and access point is 175'.
The contractor shall hand dig in the vicinity of existing utilities to ensure no damage is done to existing utilities.
Sign Type IIB at M-77 shall be a 48 inch diamond shaped sign and a 48 inch by 30 inch rectangular shaped sign as shown on the Sign Detail Sheet.