



GENERAL NOTES:

ALL CONNECTIONS BETWEEN SENSORS AND LEAD CABLES ARE DONE IN PULL BOX AND ARE SOLDERED THEN SEALED FOR WATERPROOFING, NUMBER AND PLACEMENT OF PULL BOXES NOT SHOWN.

POWER CABLES MUST RUN IN SEPERATE CONDUITS/PULLBOXES FROM SIGNAL CABLES.

SENSOR SPACING SHOWN IS TYPICAL SPACING REQUIREMENTS, ACTUAL SENSOR SPACING MAY BE ALTERED TO SUIT SITE CONDITIONS BY THE IRD FIELD REPRESENTATIVE. ROAD SURFACE MUST MEET ASTM E1318 FOR PAVEMENT CONDITIONS TO ACHIEVE OPTIMAL SYSTEM PERFORMANCE.

CABLES MUST BE PROTECTED BY PVC SLEEVES WHERE THEY CROSS PAVEMENT JOINT/CRACKS.

PIEZO SENSORS MUST BE MINIMUM OF 6' [1.83m] AWAY FROM CRACKS, JOINTS OR SAWCUTS WHEN POSSIBLE.

ADDITIONAL DRAINAGE MAY BE REQUIRED DEPENDING ON SLOPE OF ROADWAY. DRAINAGE CONSISTS OF 1-1/2" ABS PIPE SLOPED TO RIP RAP DRAINAGE PIT IN DITCH. TEMPERATURE SENSOR MUST BE INSTALLED AS SHOWN IN DRAWING.

IRD RECOMMENDS THAT PULL BOXES BE NO FUTHER THAN 200' [61m] APART.

IRD RECOMMENDS TH MINIMUM SIZE FOR PULL BOXES IS 18" [45.7cm] X 18" [45.7cm] X 12" [30.5cm].

EXACT ROUTING OF CONDUIT TO BE DETERMINED ON SITE. CONDUITS ARE LABELED LEFT TO RIGHT, BACK TO BOTTOM.

DRAWING NOT TO SCALE

LEGEND:

- L - INDUCTIVE LOOP
- P - PIEZOELECTRIC SENSOR
- S - SINGLE LOAD CELL SCALE
- O/H - OVERHEIGHT DETECTOR/ EMITTER
- LCS - LANE CONTROL SIGNAL
- TS - TRAFFIC SIGNAL
- J - JOINT
- PB - PULL BOX
- E - ELECTRONICS ENCLOSURE
- ① - SIGNAL CONDUIT
- ② - POWER CONDUIT

NOTES:

A LOOP LEAD-IN CABLE MUST MEET IMSA 50-2 STANDARD FOR LOOP LEAD IN CABLE

LOOP DETAILS:

LOOP #	SIZE	NUMBER OF TURNS
L1A,L1B	8' X 10'	5
L2-L4	8' X 6'	4
L5	8' X 17'	3
L6,L7	8' X 8'	4
L8	8' X 6'	4

FILE NAME =	USER NAME = sparkagw	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	WEIGH IN MOTION DETAILS	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pwork\pwork\sparkagw\216368\057	205-SHT-WIM.dgn	DRAWN -	REVISED -			55	68-2WS-2	MONTGOMERY	124	89
Default	PLOT SCALE = 1/8"=1'-0"	CHECKED -	REVISED -			SCALE: SHEET 1 OF 12 SHEETS STA. TO STA.		CONTRACT NO. 72505		
	PLOT DATE = May 14 2013 8:55:03PM	DATE -	REVISED -			ILLINOIS FED. AID PROJECT				