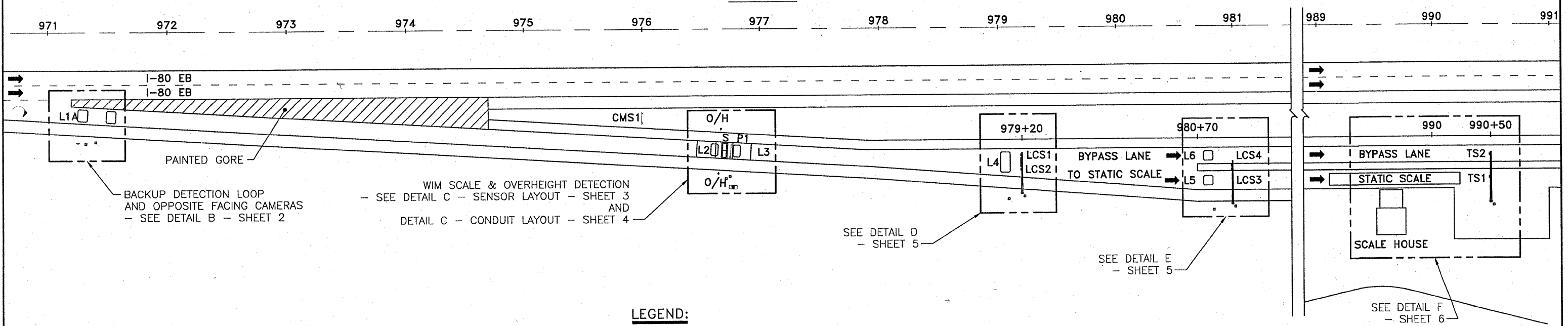


DETAIL A



LEGEND:

- L - INDUCTIVE LOOP
- P - PIEZOELECTRIC SENSOR
- S - SINGLE LOAD CELL SCALE
- C - CAMERA
- O/H - OVERHEIGHT DETECTOR/EMITTER
- CMS - CHANGEABLE MESSAGE SIGN
- LCS - LANE CONTROL SIGNAL
- TS - TRAFFIC SIGNAL
- J - JOINT
- ① - SIGNAL CONDUIT
- ① - POWER CONDUIT
- △ - NOTE

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 BE RUN IN SEPARATE CONDUITS/PULLBOXES FROM SIGNAL CABLES.

SENSOR SPACING SHOWN IS TYPICAL SPACING REQUIREMENT, ACTUAL SENSOR SPACING MAY BE ALTERED TO SUIT SITE CONDITIONS BY THE IRD FIELD REPRESENTATIVE.

ROAD SURFACE MUST MEET IRD SPECIFICATIONS FOR PAVEMENT CONDITIONS TO ACHIEVE OPTIMAL SYSTEM PERFORMANCE.

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

PIEZO SENSORS MUST BE A 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 FURTHER THAN 200' [61m] APART. IRD RECOMMENDS THE 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, TOP TO BOTTOM.

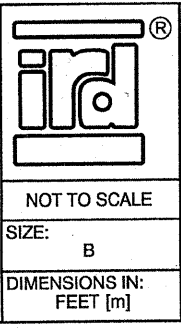
DRAWING NOT TO SCALE.

FBI RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	99-5-1-TWS-I	WILL	16	4
STA.	STA.	ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 60K45				

REV.	DESCRIPTION	DWN/DSN	APPR.	APPR.	DATE
1	PRELIMINARY RELEASE	JGI/Sab	Sab	RCz	Aug 5/09

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INTERNATIONAL ROAD DYNAMICS INC.
SASKATOON SASKATCHEWAN CANADA

DWG. TITLE:
**SITE LAYOUT
 RAMP WEIGH-IN-MOTION
 MOKENA, ILLINOIS I-80 EB**

NOT TO SCALE

SIZE: B

DIMENSIONS IN: FEET [m]

DWG. No. **MILRWM01**

CAD FILE: MILRWM01.DWG

REV.: 1

SHEET 1 OF 6