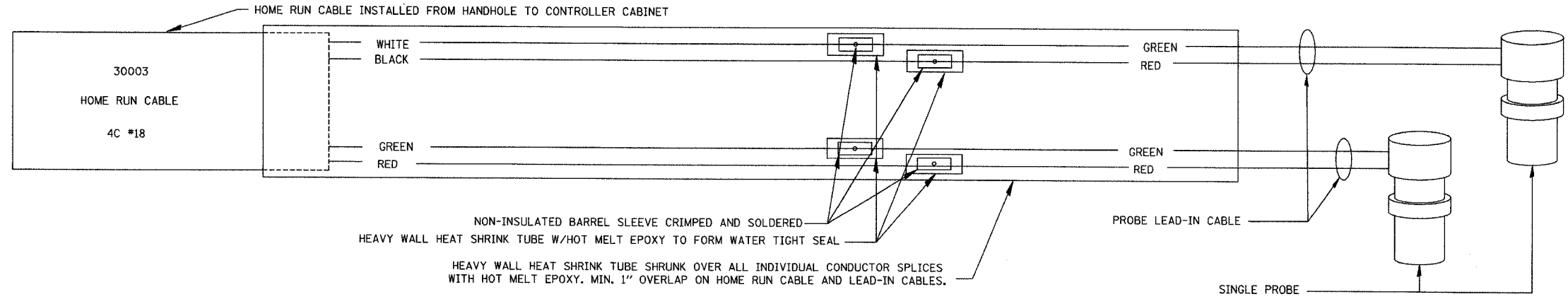


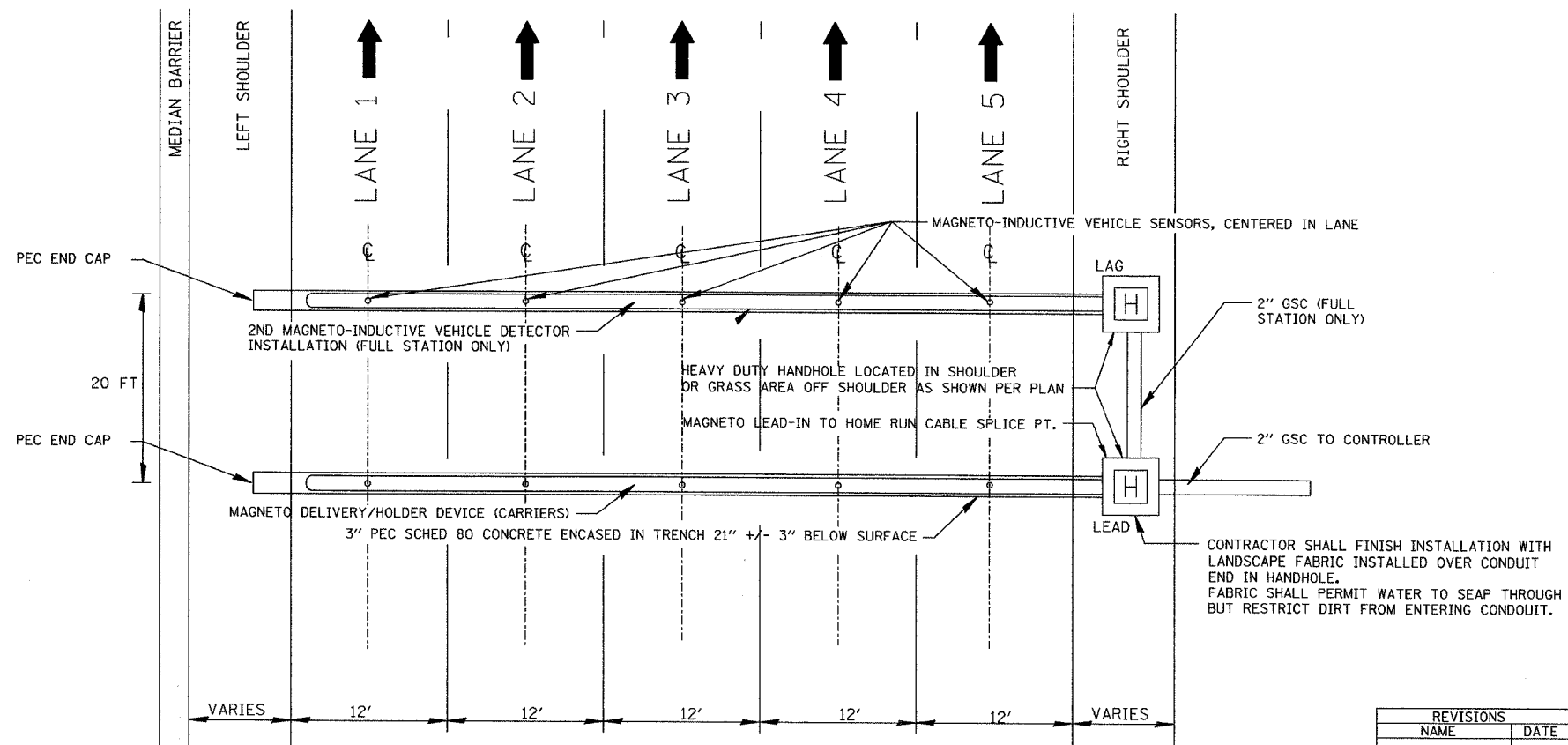
SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2003-031I	COOK	976	929
STA. 62583		TO STA.	
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT			



TYPICAL MULTIPLE MAGNETO-INDUCTIVE VEHICLE SENSOR SERIES SPLICING DETAIL  
SPEED MEASURING LAYOUT

NOTES:

1. PROBE SHALL BE POSITIONED IN THE CENTER OF EACH LANE. EXACT POSITIONING AND CONFIGURATION TO BE DETERMINED BY MANUFACTURER'S FIELD REPRESENTATIVE.
2. SUFFICIENT NUMBER OF CARRIERS TO BE INSTALLED TO COVER THE DISTANCE FROM THE HANDHOLE TO THE FARTHEST PROBE. FIRST CARRIER INSERTED SHALL BE END CAP CARRIER.
3. ANY DEVIATION IN CONDUIT ALIGNMENT SHALL BE LESS THAN 1/4 IN. PER FT.
4. CONDUIT END CAP TO BE PRESS FITTED (NO ADHESIVE). 3/8 IN. DRAINAGE HOLE TO BE DRILLED IN END CAP. HOLE TO BE POSITIONED AT BOTTOM.
5. CONDUIT TO EXTEND APPROXIMATELY 3 IN. INTO HANDHOLE.
6. LEAD PROBES SHALL USE ODD CHANNELS AND HAVE B/W WIRES; LAG PROBES SHALL USE EVEN CHANNELS AND HAVE R/G WIRES. CHANNELS SHALL BE USED IN INCREASING ORDER BEGINNING WITH LANE 1 OF NEAR LANES AND ENDING WITH OUTER-MOST LANE OF FAR LANES.
7. AT SOME NON-MAINLINE AND NON-C/D LOCATIONS, THE "LAG" PROBE SHALL NOT BE INSTALLED (SEE PLAN SHEETS).
8. FOR 3" PEC CONCRETE ENCASED IN TRENCH DETAIL SEE SHEET DT-29.



DAN RYAN TYPICAL 5 LANE CROSS SECTION WITH NON-INVASIVE  
MAGNETO-INDUCTIVE VEHICLE SENSOR (PROBE) INSTALLED IN ALL LANES

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AND Kelcey**  
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REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
F.A.I. 94/90 (DAN RYAN EXPRESSWAY)  
31st STREET to I-57  
TYPICAL MULTIPLE MAGNETO-INDUCTIVE  
VEHICLE SENSOR (MICROLOOP) - FULL  
INSTALLATION/SPEED MEASURING LAYOUT  
(SHEET 1 OF 2)  
SCALE: NTS  
DATE: October 29, 2004  
DRAWN BY: NB  
CHECKED BY: CTC

DT-24

10/14/2004 09:24:00 AM