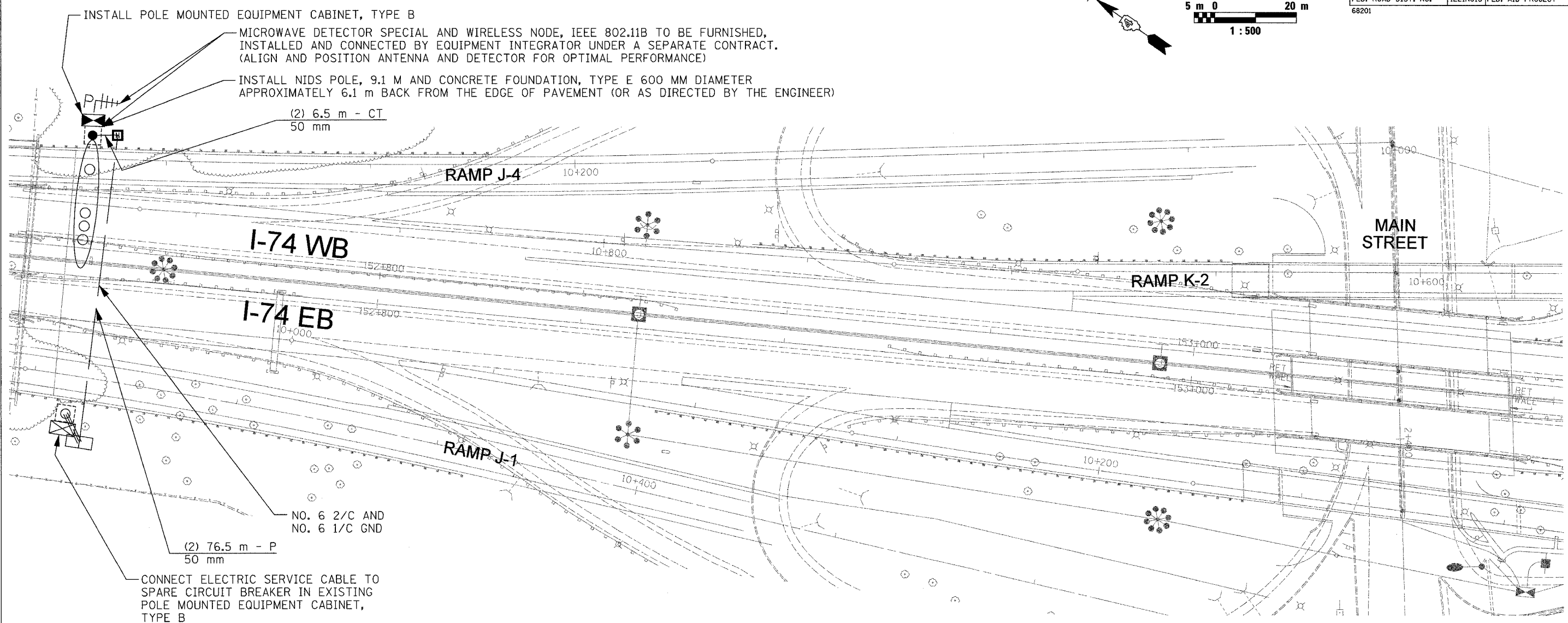


F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(90-11R-290 13,14,14-1R-1)	TAZEWELL	1366	1331
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
68201				



INSTALL POLE MOUNTED EQUIPMENT CABINET, TYPE B

MICROWAVE DETECTOR SPECIAL AND WIRELESS NODE, IEEE 802.11B TO BE FURNISHED, INSTALLED AND CONNECTED BY EQUIPMENT INTEGRATOR UNDER A SEPARATE CONTRACT. (ALIGN AND POSITION ANTENNA AND DETECTOR FOR OPTIMAL PERFORMANCE)

INSTALL NIDS POLE, 9.1 M AND CONCRETE FOUNDATION, TYPE E 600 MM DIAMETER APPROXIMATELY 6.1 m BACK FROM THE EDGE OF PAVEMENT (OR AS DIRECTED BY THE ENGINEER)

(2) 6.5 m - CT
50 mm

NO. 6 2/C AND
NO. 6 1/C GND

(2) 76.5 m - P
50 mm

CONNECT ELECTRIC SERVICE CABLE TO SPARE CIRCUIT BREAKER IN EXISTING POLE MOUNTED EQUIPMENT CABINET, TYPE B

MDS SYSTEM LEGEND

PROPOSED	EXISTING	DESCRIPTION
[Symbol]	[Symbol]	MDS EQUIPMENT CABINET
[Symbol]	[Symbol]	MASTER CONTROLLER
[Symbol]	[Symbol]	MASTER MASTER CONTROLLER
[Symbol]	[Symbol]	DOUBLE HANDHOLE
[Symbol]	[Symbol]	HANDHOLE
[Symbol]	[Symbol]	HEAVY DUTY HANDHOLE
[Symbol]	[Symbol]	COMMUNICATIONS VAULT
[Symbol]	[Symbol]	G.S. CONDUIT IN TRENCH OR PUSHED
[Symbol]	[Symbol]	INDUCTIVE LOOP DETECTOR
[Symbol]	[Symbol]	PROPOSED INTERCONNECT CABLE NO. 62.5/125 2-MM12F & SM12F FIBER OPTIC CABLE
[Symbol]	[Symbol]	EXISTING INTERCONNECT CABLE NO. 62.5/125 12F FIBER OPTIC CABLE
[Symbol]	[Symbol]	INTERCONNECT CABLE NO. 18 3 PAIR TWISTED, SHIELDED
[Symbol]	[Symbol]	LOOP DETECTOR CABLE 2/C TWISTED, SHIELDED
[Symbol]	[Symbol]	TRACER CABLE NO. 14 1/C
[Symbol]	[Symbol]	SAMPLING (SYSTEM) DETECTORS
[Symbol]	[Symbol]	EXISTING INTERSECTION DETECTORS AND PROPOSED SAMPLING (SYSTEM) DETECTORS
[Symbol]	[Symbol]	EXISTING SAMPLING (SYSTEM) DETECTORS AND PROPOSED INTERSECTION AND SAMPLING (SYSTEM) DETECTORS
[Symbol]	[Symbol]	TELEPHONE CONNECTION
[Symbol]	[Symbol]	COMMON TRENCH
[Symbol]	[Symbol]	UNIT DUCT
[Symbol]	[Symbol]	INTERSECTION

BILL OF MATERIALS

PAY ITEM	UNIT	QUANTITY
HEAVY-DUTY HANDHOLE	EACH	1
CONDUIT IN TRENCH, 50MM DIA., PVC	METER	13.0
CONDUIT PUSHED, 50MM DIA., PVC	METER	153.0
TRENCH AND BACKFILL FOR ELECTRICAL WORK	METER	6.5
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	METER	105.0
CONCRETE FOUNDATION, TYPE E 600MM DIAMETER	METER	2.5
NONINTRUSIVE DETECTOR POLE 9.1 METER	EACH	1
ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C	METER	105.0
POLE MOUNTED EQUIPMENT CABINET, TYPE B	EACH	1

NOTES:

- MICROWAVE DETECTOR AND COMMUNICATIONS SYSTEM AND ASSOCIATED EQUIPMENT TO BE FURNISHED, INSTALLED AND CONNECTED BY EQUIPMENT INTEGRATOR UNDER A SEPARATE CONTRACT. MICROWAVE DETECTOR TO BE MOUNTED AT HEIGHT ON THE POLE AS SHOWN ON THE TABLE ON ITS SHEET (8) (OR AS DIRECTED BY THE ENGINEER).
- MICROWAVE DETECTOR MDS-I74-01B WILL ONLY COVER THE WESTBOUND I-74 TRAVEL LANES. A SEPARATE NONINTRUSIVE DETECTOR POLE, 9.1 M AND MICROWAVE DETECTOR THAT WILL COVER THE EASTBOUND I-74 TRAVEL LANES WILL BE FURNISHED AND INSTALLED ON THE EASTBOUND SIDE OF THE FREEWAY BY OTHERS UNDER A SEPARATE CONTRACT.
- TRAFFIC CONTROL AT THIS LOCATION SHALL CONFORM TO IDOT STANDARDS 701101 AND 701106.

ITS SHEET 6 OF 13

REVISIONS	
NAME	DATE
ADDENDUM #1	MAY 27 2005

ILLINOIS DEPARTMENT OF TRANSPORTATION
ITS PLAN

MDS-I74-01B (STA 152+725)
MICROWAVE DETECTOR
STATION SITE LAYOUT

SCALE
DATE 12/20/04

DRAWN BY MJL
CHECKED BY GFR



PRINTED: 04/20/2005

P:\001\9011\ITS Final Design\CAD\CHK Files\Contract 11\ep1102-7e.dgn