STA. TO STA.	F.A.I. RTE. SECTION		COUNTY	TOTAL	SHEET NO.
	74	(90-11)R-2;90 (13,14,14-1)R-1	TAZEWELL	1366	1333
FED POAD DIST NO THE INDIS FED ATD PROJECT	STA.		TO STA.		
I LD. NOND DIST. NO. ILLLINGIS FED. AID PROJECT	FED. RO	DAD DIST. NO.	ILLINOIS FED.	AID PROJ	ECT

TABLE 1 - MICROWAVE DETECTOR LOCATIONS FOR I-74 PEORIA ITS

DETECTOR STATION	DETECTOR	LOCATION	DETECTOR TYPF	DETECTOR COVERAGE	COMMENTS	No OF LANES	SETBACK*	HEIGHT*
	IU					LANLS		
2l+550	(T)MDS-1474-01	I-474 & PINECREST	TEMPORARY	MAINLINE	TEMPORARY WOOD POLE	4	50' (I5 m)	25' (8 m)
144+220	(T)MDS-174-01	WAR MEMORIAL DRIVE INTERCHANGE (EAST SIDE)	TEMPORARY	MAINLINE	TEMPORARY WOOD POLE	5	20' (6 m)	17' (5 m)
10+800	MDS-1474-01	I-474 & US 24 (ADAMS STREET)	PERMANENT	MAINLINE	COMBINATION RTMS/CCTV POLE	4	20' (6 m)	17' (5 m)
151+600/152+400	(T)MDS-174-02	RIVERFRONT DRIVE - MAIN STREET (EP)	TEMPORARY	MAINLINE	TEMPORARY WOOD POLE	4/6	20' (6 m)	17' (5 m)
155+200	(T)MDS-174-03	WASHINGTON STREET- PINECREST DRIVE	TEMPORARY	MAINLINE	TEMPORARY WOOD POLE	4	20' (6 m)	17' (5 m)
144+750	MDS-174-03	FOREST HILL AVENUE (NORTH SIDE)	PERMANENT	MAINLINE	PERMANENT POLE	6	20' (6 m)	17' (5 m)
146+450	MDS-174-04	NEBRASKA AVENUE (NORTH SIDE)	PERMANENT	MAINLINE	PERMANENT POLE	6	20' (6 m)	17' (5 m)
148+825	(T)MDS-174-04	ARMSTRONG AVENUE	TEMPORARY	MAINLINE	TEMPORARY WOOD POLE	6	20' (6 m)	17' (5 m)
152+725	MDS-174-01A	MAIN STREET (EP) INTERCHANGE (SOUTH SIDE)	PERMANENT	MAINLINE	PERMANENT POLE	6	20' (6 m)	17' (5 m)
143+215	MDS-174-02	STERLING AVENUE - WAR MEMORIAL DRIVE	PERMANENT	MAINLINE	PERMANENT POLE, 2 DETECTORS	6,	20' (6 m)	17' (5 m)
152+725	MDS-174-OIB	MAIN STREET (EP) INTERCHANGE (NORTH SIDE)	PERMANENT	MAINLINE	PERMANENT POLE	6	20' (6 m)	17' (5 m)

TABLE 2 - MICROWAVE DETECTOR INSTALLATION DETAILS

HORIZONTAL	MOUNTING HEIGHT FT (M)					
OFFSET FT (M)	MINIMUM	MAXIMUM	RECOMMENDED			
10.0 (3.0)	17.0 (5.2)	20.0 (6.1)	17.0 (5.2)			
15.0 (4.6)	17.0 (5.2)	20.0 (6.1)	17.0 (5.2)			
20.0 (6.1)	17.0 (5.2)	20.0 (6.1)	17.0 (5.2)			
25.0 (7.6)	17.0 (5.2)	25.0 (7.6)	20.0 (6.1)			
30.0 (9.1)	23.0 (7.0)	25.0 (7.6)	23.0 (7.0)			
35.0 (10.7)	25.0 (7.6)	25.0 (7.6)	25.0 (7.6)			
40.0 (12.2)	25.0 (7.6)	25.0 (7.6)	25.0 (7.6)			
45.0 (13.7)	25.0 (7.6)	25.0 (7.6)	25.0 (7.6)			
50.0 (15.2)	25.0 (7.6)	25.0 (7.6)	25.0 (7.6)			

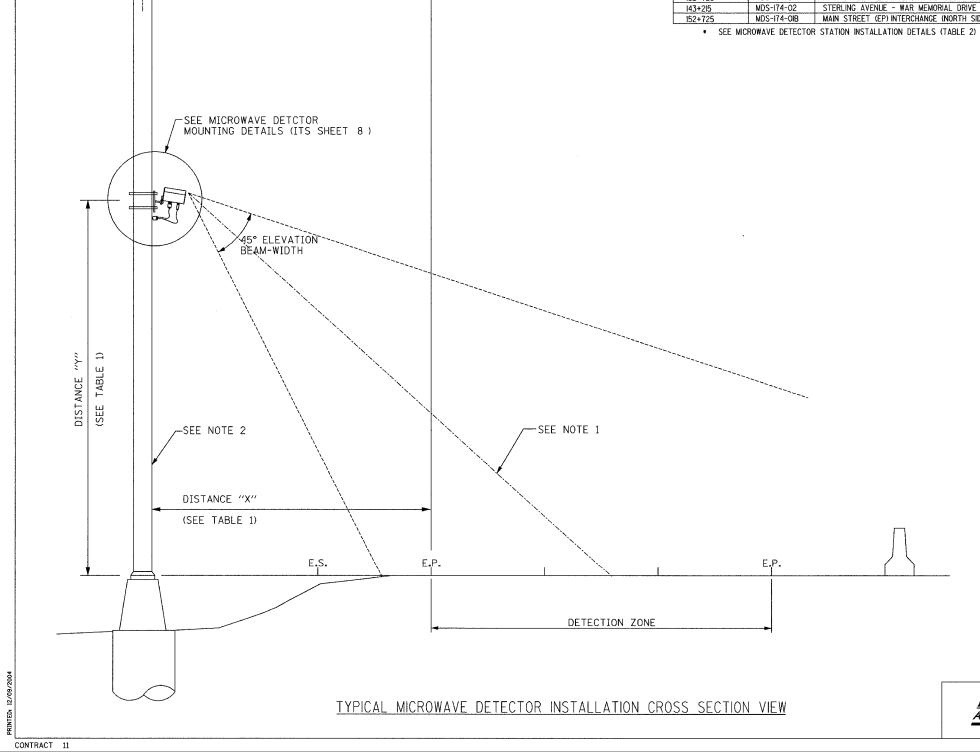
DIMENSIONS REFERENCED FROM THE EDGE OF PAVEMENT.

NOTES:

- 1. DETECTOR UNIT TO BE AIMED AT CENTER OF DETECTION ZONE.
 WHEN TWO DETECTORS ARE USED IN TANDEM AT A GIVEN LOCATION,
 DETECTION ZONE SHALL INCLUDE ALL TRAVEL LANES IN A SINGLE
 DIRECTION NEAREST EACH DETECTOR. WHEN A SINGLE DETECTOR
 IS USED AT A GIVEN LOCATION, THE DETECTOR ZONE SHALL INCLUDE
 ALL TRAVEL LANES IN BOTH DIRECTIONS. FINAL SETUP AND CALIBRATION
 TO BE PERFORMED BY MANUFACTURER'S FIELD REPRESENTATIVE
 IN CONJUNCTION WITH THE EQUIPMENT INTEGRATOR.
- 2. DETECTOR UNIT MAY BE MOUNTED ON A TEMPORARY WOOD OR PROPOSED STEEL POLE AS INDICATED ON THE PLANS. POLE SHALL BE INSTALLED OUTSIDE OF THE CLEAR ZONE OR SHALL BE PROTECTED FROM TRAFFIC.

ITS SHEET 8 OF 13

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	REVISIONS		TILIT	NOTE DEDADTMENT	OF TRANSPORTATION
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			ĺ	MICROWAVE	DETECTOR
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Edwards				INO IALLAT.	ON BETAIL
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^{AND} Kelcey			SCALE		DRAWN BY MJL
· ·			DATE	12/20/04	CHECKED BY GFR



HORIZONTAL OFFSET (SEE TABLE 1)