

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2003-0311	COOK	976	462
STA.	TO STA.		
FED. ROAD DIST. NO. 62583	ILLINOIS FED. AID PROJECT		

TABLE 1 - TEMPORARY MICROWAVE DETECTOR LOCATIONS

DETECTOR STATION	DETECTOR ID	LOCATION	No OF LANES	SETBACK* 'X'
4633+75	TRVD-NB-001	31st St. Northbound Lanes	8	20'
3634+50	TRVD-SB-001	31st St. Southbound Lanes	8	20'
4580+75	TRVD-NB-002	39th St. Northbound Lanes	8	30'
3580+75	TRVD-SB-002	39th St. Southbound Lanes	8	20'
4527+00	TRVD-NB-003	47th St. Northbound Lanes	8	20'
3527+00	TRVD-SB-003	47th St. Southbound Lanes	8	20'
4473+00	TRVD-NB-004	55th St. Northbound Lanes	8	22'
3473+00	TRVD-SB-004	55th St. Southbound Lanes	8	18'
4424+00	TRVD-NB-005	63rd St. Northbound Lanes	7	20'
3424+00	TRVD-SB-005	63rd St. Southbound Lanes	7	25'
2369+50	TRVD-NB-006	71st St. Northbound Lanes	5	18'
1369+50	TRVD-SB-006	71st St. Southbound Lanes	5	20'
2325+00	TRVD-NB-007	77th St. Northbound Lanes	5	20'
1325+00	TRVD-SB-007	77th St. Southbound Lanes	5	20'
2264+00	TRVD-NB-008	87th St. Northbound Lanes	5	25'
1264+00	TRVD-SB-008	87th St. Southbound Lanes	5	25'
2210+60	TRVD-NB-009	93rd St. Northbound Lanes	5	20'
1210+50	TRVD-SB-009	94th St. Southbound Lanes	5	20'

* SEE MICROWAVE DETECTOR STATION INSTALLATION DETAILS (TABLE 2)

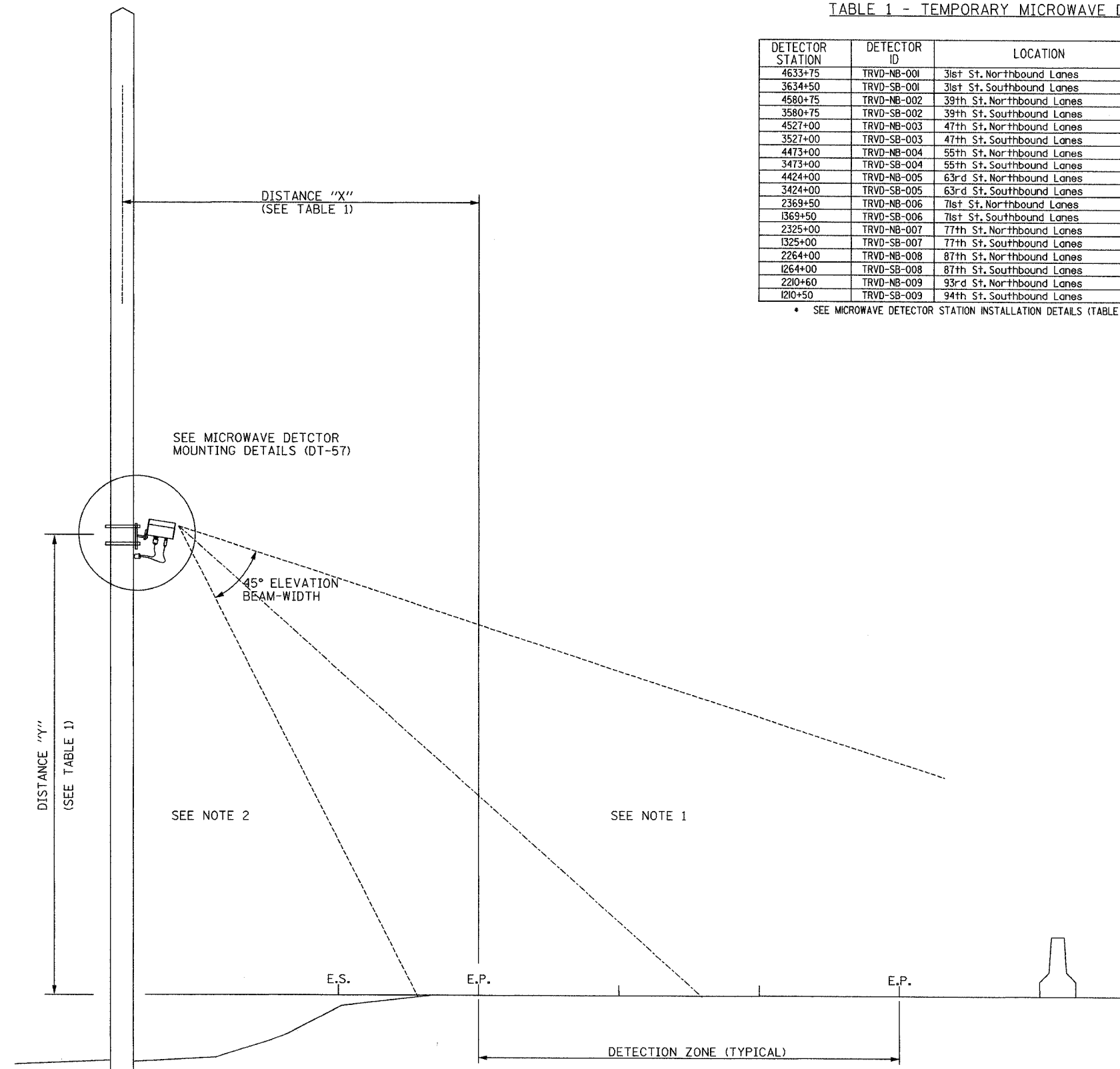


TABLE 2 - MICROWAVE DETECTOR INSTALLATION DETAILS

HORIZONTAL OFFSET FT (M)	MOUNTING HEIGHT 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:

- 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.
- POLE SHALL BE INSTALLED OUTSIDE OF THE CLEAR ZONE OR SHALL BE PROTECTED FROM TRAFFIC.

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TYPICAL MICROWAVE DETECTOR INSTALLATION CROSS SECTION VIEW

NOT TO SCALE

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
 31st STREET to I-57
 TEMPORARY MICROWAVE DETECTION
 CONSTRUCTION DETAIL
 SCALE: NTS
 DATE: October 29, 2004
 DRAWN BY: CJH
 CHECKED BY: MJL

DT-55

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