RUNAROUND GEOMETRICS AND SURFACE QUANTITES						
TYPE C, ø = 20°						
X (ft)	40	45	50	55	60	65
ø	20°	20°	20°	20°	20°	20°
Z (ft)	116.95	131.57	146.19	160.81	175.43	190.05
R (ft)	280	280	280	280	280	280
T (ft)	49.37	49.37	49.37	49.37	49.37	49.37
L (ft)	18.21	32.83	47.45	62.07	76.69	91.31
Y (ft)	208.64	222.38	236.11	249.85	263.59	277.33
E.R.W. (ft)	RUNAROUND AREA, SYS.					
18	816	916	1017	1117	1218	1320
20	775	875	976	1076	1177	1277
22	734	835	935	1036	1136	1237
24	703	806	907	1007	1108	1208

ERW - Existing Roadway Width

ALLOWABLE RUNAROUND TYPE VS. POSTED SPEED																		
EXISTING POSTED SPEED (mph)	55	50	45		40		35			30			25			20		
ALLOWABLE TYPE	A	A	A	B	A	B	A	B	C	A	B	C	A	B	C	A	B	C
RUNAROUND POSTED SPEED (mph)	45	45	45	35	40	35	35	35	25	30	30	25	25	25	25	20	20	20

INDIANA DEPARTMENT OF TRANSPORTATION

TEMPORARY RUNAROUND GEOMETRICS

NOVEMBER 1995

STANDARD DRAWING NO E 713-TCTR-02A

ANTHONY L. UREMOVICH REGISTERED No. 18095 STATE OF INDIANA PROFESSIONAL ENGINEER

DESIGN STANDARDS ENGINEER

DETAILS PLACED IN THIS FORMAT 11-15-99

/s/ Anthony L. Uremovich 11-15-99
DESIGN STANDARDS ENGINEER DATE

/s/ Firooz Zandi 11-15-99
CHIEF HIGHWAY ENGINEER DATE

ORIGINALLY APPROVED 11-01-95