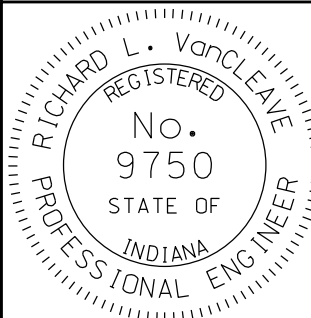


RUNAROUND GEOMETRICS AND SURFACE AREAS						
TYPE C						
X (ft)	40	45	50	55	60	65
β	20°	20°	20°	20°	20°	20°
Z (ft)	116.95	131.57	146.19	160.81	175.43	190.05
R (ft)	280	280	280	280	280	280
T (ft)	49.37	49.37	49.37	49.37	49.37	49.37
L (ft)	18.21	32.83	47.45	62.07	76.69	91.31
Y (ft)	208.64	222.38	236.11	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		
	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	
SEPTEMBER 2011	
STANDARD DRAWING NO.	E 713-TCTR-02A
DETAILS PLACED IN THIS FORMAT 9/1/2011	
	/s/ <i>Richard L. VanCleave</i> 09/01/11
	DESIGN STANDARDS ENGINEER DATE
	/s/ <i>Mark A. Miller</i> 09/01/11
	CHIEF HIGHWAY ENGINEER DATE
DESIGN STANDARDS ENGINEER	ORIGINALLY APPROVAL ON SEPTEMBER 9/1/06