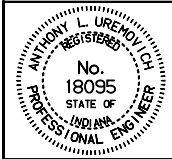


RUNAROUND GEOMETRICS AND SURFACE QUANTITIES						
TYPE C, $\phi = 20^\circ$						
X (ft)	40	45	50	55	60	65
ϕ	20°	20°	20°	20°	20°	20°
Z (ft)	116.95	131.57	146.19	160.81	175.43	190.05
R (ft)	280	280	280	280	280	280
T (ft)	49.37	49.37	49.37	49.37	49.37	49.37
L (ft)	18.21	32.83	47.45	62.07	76.69	91.31
Y (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	
NOVEMBER 1995	
STANDARD DRAWING NOE 713-TCTR-02A	
	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
DESIGN STANDARDS ENGINEER	ORIGINALLY APPROVED 11-01-95