| 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