

Design rainfall	Description
160 mm 24 h	2 % exceedance 24 h duration (50-year return period) rainfall depth
125 mm 24 h	Lower margin of the 90 % confidence interval of the 2 % exceedance 24 h duration (50-year return period) rainfall depth – approximately equivalent to the 20-year 24 h ARI
210 mm 24 h	Upper margin of the 90 % confidence interval of the 2 % exceedance 24 h duration (50-year return period) rainfall depth – approximately equivalent to the 200-year 24 h ARI

Temporal pattern	Description
Q1–10 – (a)	NOAA Midwest region, 1st quartile 10th percentile temporal distribution
Q1–50 – (b)	NOAA Midwest region, 1st quartile 50th percentile temporal distribution
Q1–90 – (c)	NOAA Midwest region, 1st quartile 90th percentile temporal distribution
Q3–10 – (d)	NOAA Midwest region, 3rd quartile 10th percentile temporal distribution
Q3–50 – (e)	NOAA Midwest region, 3rd quartile 50th percentile temporal distribution
Q3–90 – (f)	NOAA Midwest region, 3rd quartile 90th percentile temporal distribution