1. In Chapter 12.2 of the textbook, Huang presents a sample problem for a 4-lane interstate pavement with a gravel subbase, doweled joints and asphalt shoulders. In that problem, he shows that a 9\(\frac{1}{2}\)″ slab will meet both the fatigue and erosion criteria with capacity to spare. For homework, calculate the amount of temperature steel needed if that will be a continuously reinforced concrete pavement (CRCP). Assume that the concrete will be made with locally available (i.e., limestone) aggregate. Use 60°F as the design temperature drop. Start with a No. 4 bar size and work your way up from there.