The authors previously defined a *Stanton-type graph* $S(n,m)$. The authors also previously showed how to decompose $\lambda K_n$ (for the appropriate minimal values of $\lambda$) into Stanton-type graphs $S(4,3)$ of the LOE, OLE, LEO and ELO-types. Sarvate and Zhang showed that for all possible values of $\lambda$, the necessary conditions are sufficient for LOE and OLE-decompositions. In this paper, we will show that for all possible values of $\lambda$, the necessary conditions are sufficient for LEO and ELO-decompositions.