Mechanism: 2,6-Diketones can be cyclized to form cyclohexenones, through a series of equilibrating intermediates. Propose a mechanism for the example below. Show all important flows of electrons, charges and intermediates. Where indicated, (in the structure boxes)- draw the intermediates.

**Intramolecular Aldol**

- Formation of an enolate
- β-alkoxy-ketone

Continue on next page
This is the same box #3:

β-alkoxy-ketone

\[ \text{Proton transfer (from water)} \]

β-hydroxy-ketone

\[ \text{Dehydration} \]

Final Product

\[ \text{Final Product} \]