Figure S1: ns-TA spectra of \( \text{Mo}_2\text{azulene}_2\text{TiPB}_2 \). \( \lambda_{\text{exc}} = 532 \text{ nm}, \) in THF.

Blue circles = 0.00400 \( \mu \text{s} \), White circles = 0.30400 \( \mu \text{s} \) following laser pump at 532 nm, \( \tau = 260 \text{ ns} \).

Inset: Decay of absorption at 440 nm.

\( \tau = 0.26 \mu \text{s} \)
Figure S2: ns-TA spectra of W₂azulene₂TiPB₂. λ<sub>exc</sub> = 355 nm, in THF.
Green circles = 0.01975 μs, White circles = 0.03050 μs following laser pump at 355 nm
Lifetime too fast to be accurately determined within the limits of instrument (< 20 ns).
Figure S3: a) Femtosecond broadband transient absorption spectra for II in THF excited at 365 nm. b) Representative single wavelength kinetics monitored at 450 nm. Inset: Early time kinetics
Figure S4: Absorption, emission, and excitation spectra for the azulene carboxylic acid ligand.

Figure S5: DPV showing the reduction of II in THF
Fig S6: DPV showing the oxidation of II in THF

Fig S7: CV showing the oxidation and reduction of II in THF
Fig S8: CV showing the oxidation of I in THF

Fig S9: CV showing the reduction of I in THF